



# Nyidinghu Study

## Flora and Vegetation Assessment

**Prepared for Fortescue Metals Group**

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**V11030**



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## Executive Summary

Cardno (WA) Pty Ltd was commissioned by Fortescue Metals Group (Fortescue) to undertake a Level 2 Flora and Vegetation survey in accordance with EPA Guidance Statement 51 (2004) as part of an assessment of the flora and vegetation values within the Nyidinghu Study Area (the Study Area). The purpose of this report is to document the results of the flora and vegetation survey and assessment.

The field work was undertaken in two phases, each representing a different season. The survey sampling plan was based on establishing approximately one quadrat per forty hectares. The quadrat design was adapted to the vegetation communities present within the Study Area to ensure each vegetation community was represented by a minimum of two quadrats. The entire 17,580 hectare Study Area was mapped and vegetation units described and named using the National Vegetation Information System (NVIS). The ground- and surface water dependent vegetation (comprising mainly of major creeklines and Mulga communities) in the bore-field injection area was mapped using remote-sensing techniques due to the sheer size of the area (121,732 hectares). Results from the field survey were used to an extent to ground-truth the mapping.

A total of 22 vegetation communities were observed and mapped in the Study Area, categorised as:

- Hummock grasslands on sand plains
- Fortescue Valley Sand Dunes
- Minor creeklines and floodplains
- Major creeklines
- Hummock grasslands on rocky hills
- Cracking clays
- Mulga on clay/clay loam plains

A total of 392 vascular native plant species were recorded during the field surveys of the Study Area representing 151 genera and 46 families. No Declared Rare Flora (DRF) or species listed as a threatened species pursuant to the *Environmental Protection and Biodiversity Conservation Act 1999* (EPBC Act) were recorded within the Study Area. The targeted search for *Lepidium catapycnon* did not recover any plants at the location where it has previously been recorded. Five Priority Flora species were identified within the Study Area during the Phase 1 or Phase 2 field surveys of the Study Area. At this stage a single individual of the Priority 1 species *Calotis squamigera* will be directly impacted if the current design of Nyidinghu Study is implemented. This is considered to have a high impact on the *Calotis squamigera* populations at a local scale as this is the only population known from the local area.

Ten introduced species were recorded in the Study Area, none of which are listed as Declared Plants under the *Agriculture and Related Resources Protection Act 1976*. Four of these species have a 'high' under the DEC weed strategy (2008-2010) due to their invasiveness, distribution and environmental impacts.

The following potential impacts associated with the implementation of the Nyidinghu Project were identified:

- Vegetation clearance activities
- Alterations to surface hydrology
- Alterations to groundwater hydrology
- Introduced species
- Alterations to natural fire regimes
- Dust

Clearing of native vegetation is considered to have the highest impact. It is unclear what vegetation communities will be most affected by vegetation clearing at this stage due to changes in the Nyidinghu Project design.

Altered surface and groundwater hydrology may impact native flora species and vegetation communities, particularly those associated with the Weeli Wolli Creek and Fortescue Marsh. Alterations in surface water flow as a result of development may potentially impact Mulga communities that are sheet flow dependent. It should be recognised that all the potentially sheet flow dependent communities occur north of the BHP Mt Newman rail. The existing railway is likely to have already adversely affected surface water flow between the Hamersley Ranges and the Fortescue Marsh therefore development south of the existing railway is unlikely to cause further impact to these communities.

Regional floristic analysis of the Nyidinghu vegetation showed that six of the twenty-two communities are poorly represented in the reference dataset and therefore are potentially considered of regional significance. It is difficult to determine whether these communities are in fact regionally significant or whether they are poorly represented in the reference dataset due to a lack of available data.



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## Abbreviations

DEC	Department of Environment and Conservation
DESWPaC	Department of Environment, Sustainability, Water, Population and Communities [Commonwealth]
DRF	Declared Rare Flora
EPA	Environmental Protection Authority
EPBC	<i>Environment Protection and Biodiversity Conservation Act 1999</i> [Commonwealth]
ESA	Environmentally sensitive areas
Fortescue	Fortescue Metals Group
GDV	Groundwater Dependent Vegetation
IBRA	Interim Biogeographic Regionalisation for Australia
PEC	Priority Ecological Communities
TEC	Threatened Ecological Communities
WAH	Western Australian State Herbarium
DMP	Department of Minerals and Petroleum

## 1 Introduction

Cardno (WA) Pty Ltd (Cardno) was commissioned by the Fortescue Metals Group Limited, (Fortescue) in March 2011 to design and undertake a flora and vegetation survey and assessment of the Nyidinghu Study. This report documents the purpose, methodology and findings of the Nyidinghu Study flora and vegetation survey and assessment.

### 1.1 The Nyidinghu Study

In August 2010, Fortescue Exploration discovered the Nyidinghu iron ore deposit on Exploration Tenements E47/2390 and E47/1320 concealed under thick alluvial cover of Weeli Wolli Creek. Fortescue is proposing to develop the Nyidinghu iron ore deposit (the Nyidinghu Project) which is located approximately 280 km south of Port Hedland, 100 kilometres northwest of Newman, 35 km south of Fortescue's existing Cloudbreak operations, see **Figure 1**).

Fortescue have been carrying out greenfields exploration drilling in the Nyidinghu Study Area since August 2010 when the iron ore deposits were discovered of. The Nyidinghu Project will consist of the following:

- An iron ore mine and resource comprising Brockman Iron Formation ore, Channel Iron Deposit (CID) fines product, and Detrital Iron Deposit (DID) fines product.
- Mine infrastructure including mine pits, haul roads and rail loading area.
- An ore processing facility (OPF) with an expected production rate of up to 80 million tonnes (Mt) per annum.
- Waste dumps and Tailings Storage Facility (TSF) for disposal of overburden and tailings generated as a result of the Project.
- Mine dewatering, production and re-injection borefield for dewatering of the mine pits, production of water supply and re-injection of excess water.
- Supporting infrastructure including an access road, construction camp and permanent accommodation village, administration offices, laboratory facilities, waste water treatment plants, airport and a power station.

The life of mine is expected to be approximately 30 years.

The Project is located in close proximity to a regional aquifer (located north of the Study), which has the potential to be drawn into the mining pit with the commencement of dewatering. There are known ecological constraints on groundwater drawdown in the area, most notably the high conservation value Fortescue Marsh located to the north. Excess groundwater is proposed to be injected back to the groundwater system due to constraints on other disposal options (surface discharge) and need to avoid potential impacts on Groundwater Dependant Vegetation (GDV) as a result of groundwater drawdown.

### 1.2 Purpose of the Flora and Vegetation Assessment

A Level 2 Flora and Vegetation survey was conducted in accordance with EPA Guidance Statement 51 (2004) as part of an assessment of the biodiversity values within the Nyidinghu Study Area (the Study Area). A desktop assessment of the Study Area was completed to identify flora and vegetation of conservation significance prior to conducting the field survey work. The field survey work was undertaken over two seasons to ensure a comprehensive biological inventory was developed.

This assessment also seeks to place the vegetation and flora of the Study Area into a regional context. Regional floristic analysis for the Nyidinghu Project was undertaken by M.E. Trudgen and Associates with the purpose to "investigate the conservation value of the vegetation of areas of the



Fortescue Metals Group Nyidinghu project area as shown by the floristic composition of stands recorded using quadrats”.

The purpose of this report is to document the results of the flora and vegetation survey, data analyses and impact assessment. The report provides relevant information concerning:

- aspects of the legal and policy framework for native flora and vegetation within Western Australia that is relevant to the Nyidinghu Study;
- the methods utilised to conduct the surveys;
- the results of the surveys; and
- the likely impacts of the Nyidinghu Study upon native flora and vegetation.

### 1.3 Previous Vegetation Surveys in the Vicinity of the Study Area

Previous vegetation surveys conducted by Biota Environmental Services (2004) for the proposed Fortescue Stage A Rail Corridor overlap a large proportion of the Nyidinghu Study (see **Figure 2**). Differences between the surveys were the sample intensity, the time difference between surveys, and the quality of aerial photography available for Cardno to undertake the vegetation mapping. In addition, Ecologia Environment completed a Level 1 flora and vegetation survey on behalf of Brockman Resources Limited (tenements M47/1414, M47/1419 and E47-1408) West of Fortescue’s proposed operations. Fortescue’s Flora and Vegetation Assessment Guidelines (FMG 2011) were adhered to for the flora and vegetation assessment therefore consistency in vegetation unit naming and descriptions between the Biota and Cardno results was not possible. The following reports were also used as technical references:

- Biota (Aug 2004) *Baseline Botanical Surveys for the Fortescue Stage A Rail Corridor*;
- Van Vreeswyk *et al* (2004) *Inventory and Condition Survey of the Pilbara Region*;
- EPA (2010) *Report and recommendations for the Marillana iron ore Study*;
- Ecologia (2009/2010/2011) *Flora and vegetation survey for Brockman Resources Limited*;
- Matiske (2005 and 2007) *Cloudbreak flora and vegetation mapping and condition reports*;
- ENV Australia (2010). *Cloudbreak and Christmas Creek Flora and Vegetation Assessments*; and
- C Muller Consulting (2005) *Water flow in mulga areas adjoining the Fortescue Marsh*.

## 2 Legislation and Policy Requirements

All Western Australian native flora is protected under the *Wildlife Conservation Act 1950* [WA] (WC Act), where flora is defined as any plant (including wildflower, palm, shrub, tree, fern, creeper or vine) which is either native to Western Australia or declared to be flora under the WC Act, and includes any part of flora and all seed and spores thereof. Any activity in Western Australia that involves taking part of or the whole of a WA native plant may require a licence or permit to do so.

### 2.1 Clearing Native Vegetation

Native vegetation is defined under the *Environmental Protection Act 1986* [WA] (EP Act) as including indigenous aquatic or terrestrial vegetation, includes dead vegetation unless that dead vegetation is of a class declared by regulation to be excluded from this definition but does not include vegetation in a plantation (Environmental Protection (Clearing of Native Vegetation) Regulations 2004).

In assessing the Nyidinghu Study proposal, the Environmental Protection Authority (EPA) will include the following as part of their assessment to ensure biodiversity in Australia is protected (EPA 2000):

- A comparison of development scenarios, or options, to evaluate protection of biodiversity at the species and ecosystem levels, and demonstration that all reasonable steps have been taken to avoid disturbing native vegetation.
- No known species of plant or animal is caused to become extinct as a consequence of the development and the risks to threatened species are considered to be acceptable.
- No association or community of indigenous plants or animals ceases to exist as a result of the Study.
- There would be an expectation that a proposal would demonstrate that the vegetation removal would not compromise any vegetation type by taking it below the “threshold level” of 30% of the pre-clearing extent of the vegetation type.
- Where a proposal would result in a reduction below the 30% level, the EPA would expect alternative mechanisms to be put forward to address the protection of biodiversity.
- There is comprehensive, adequate and secure representation of scarce or endangered habitats within the Study Area and/or in areas which are biologically comparable to the Study Area, protected in secure reserves.
- If the Study Area is large (and what is meant by large will vary depending on where in the State) the Study Area itself should include a comprehensive and adequate network of conservation areas and linking corridors whose integrity and biodiversity is secure and protected.
- The on-site and off-site impacts of the Study are identified and the proponent demonstrates that these impacts can be managed.

In considering these criteria the EPA will recognise that “it is not always possible for a proponent alone to be able to ensure that biological diversity is adequately protected and that to do so may require the participation of the State Government to ensure that adequate areas are reserved” (EPA 2000).

### 2.2 Threatened and Priority Ecological Communities

In Western Australia "Threatened Ecological Communities" (TEC) are defined by the Western Australian Threatened Ecological Communities Scientific Advisory Committee (within the Department of Environment and Conservation (DEC)) and are assigned to one of the categories outlined below in **Table 2-1**. While they are not afforded direct statutory protection at a State level (unlike Declared Rare Flora under the *Wildlife Conservation Act 1950* [WA]) their significance is acknowledged through other State environmental approval processes (i.e. Environmental Impact Assessment process

pursuant to Part IV of the *EP Act*). Selected TEC are also afforded statutory protection at a Federal level pursuant to the *Environment Protection and Biodiversity Conservation Act 1999* [Commonwealth] (*EPBC Act*). The *EPBC Act* provides for the protection of TEC which are listed under section 181 of the *EPBC Act* and which are defined as either “Critically Endangered”, “Endangered”, or “Vulnerable” under section 182.

**Table 2-1 Categories of DEC Threatened Ecological Communities (English and Blyth 1997)**

Category	Description
<b>PD</b>	<b>Presumed Totally Destroyed</b> An ecological community that has been adequately searched for but for which no representative occurrences have been located.
<b>CE</b>	<b>Critically Endangered</b> An ecological community that has been adequately surveyed and is found to be facing an extremely high risk of total destruction in the immediate future
<b>E</b>	<b>Endangered</b> An ecological community that has been adequately surveyed and is not critically endangered but is facing a very high risk of total destruction in the near future.
<b>V</b>	<b>Vulnerable</b> An ecological community that has been adequately surveyed and is not critically endangered or endangered but is facing a high risk of total destruction or significant modification in the medium to long-term future.

Communities that are not listed as a TEC may be listed as a Priority Ecological Community (PEC). The DEC (2010) describes PEC as ecological communities that are under consideration for listing as TEC, but does not yet meet the criteria or has not been adequately defined, is placed in either Category 1, 2, or 3 of the PEC list. Ecological communities that are adequately known, and are rare but not threatened or meet criteria for Near Threatened, or those how have recently been removed from the threatened list, are placed in Priority 4. Ecological communities that are adequately known and are rare but not threatened, or meet criteria for Near Threatened, or that have been recently removed from the threatened list, are placed in Priority 4. These ecological communities require monitoring. Conservation dependent ecological communities are placed in Priority 5. Categories and definitions of PEC are listed in **Table 2-2**.

**Table 2-2 Categories of Priority Ecological Communities (DEC 2009)**

Priority Rating	Description
<b>Priority 1</b>	Ecological communities with apparently few, small occurrences, all or most not actively managed for conservation (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) and for which current threats exist. 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.
<b>Priority 2</b>	Communities that are known from few small occurrences, all or most of which are actively managed for conservation (e.g. within national parks, conservation parks, nature reserves, State forest, unallocated Crown land, water reserves, etc.) and not under imminent threat 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.
<b>Priority 3</b>	1. 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:

	<p>2. Communities known from a few widespread occurrences, which are either large or within significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat, or;</p> <p>3. Communities made up of large, and/or widespread occurrences, which may or not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, and inappropriate fire regimes.</p> <p>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.</p>
<b>Priority 4</b>	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.
<b>Priority 5</b>	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.

Selected TEC are also afforded statutory protection at a Federal level pursuant to the EPBC Act. Not all State listed TEC are given Federal protection, only a select few. The EPBC Act provides for the protection of TEC, which are listed under section 181 of the EPBC Act, and are defined as "Critically Endangered", "Endangered" or "Vulnerable" under Section 182 of the EPBC Act.

## 2.3 Environmentally Sensitive Areas

Under section 51B of the EP Act the Minister can, by notice, declare an area of the State specified in the notice or an area of the State to be an Environmentally Sensitive Area. ESAs are protected under the *Environmental Protection (Clearing of Native Vegetation) Regulation 2004* and are selected for their environmental values at state or national levels. Some of the reasons for assigning this status include:

- Protection of rare or threatened species of native plants;
- Protection of wetlands and water courses;
- Protection of sites that have other high conservation, scientific or aesthetic values; and
- Protection of Aboriginal or European cultural sites.

## 2.4 Conservation Significant Species

### 2.4.1 Rare and Priority Flora

Species of flora may be listed as "Threatened" pursuant to Schedule 1 of the EPBC Act. Any action likely to have a significant impact on a species listed under the EPBC Act requires referral to the Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) and potentially the approval of the Commonwealth Minister for the Environment.

A species of flora may be designated a "Declared Rare" species under subsection 2 of section 23F of the *Wildlife Conservation Act 1950* [WA] (*WC Act*) and it is an offence to "take" damage rare flora without Ministerial approval. Section 23F of the Act defines "to take" as "... to gather, pluck, cut, pull up, destroy, dig up, remove or injure the flora to cause or permit the same to be done by any means". The Minister for the Environment can declare taxa (species, subspecies or variety) as "Declared Rare Flora" (DRF) if they are considered to be in danger of extinction, rare or otherwise in need of special protection.

Species of flora acquire a "Declared Rare" or "Priority" conservation status when populations are restricted geographically or threatened by local processes. The Department of Environment and Conservation recognises these threats and applies regulations towards population protection and



species conservation. The DEC enforces regulations under the WC Act to conserve Declared Rare Flora (DRF) and Priority Flora and protect significant populations. Priority Flora species are potentially rare or threatened and are classified in order of threat. DRF and Priority Flora category definitions are listed in **Table 2-3**.

The list of DRF is reviewed annually by a scientific panel that assess a taxons' conservation status and ranks them into categories. The Priority Flora list is dynamic, as new information becomes available conservation status is reviewed and changes to the listing may result. The categories for Priority Flora give an indication of the priority for undertaking further surveys based on the number of known sites, and degree of threat to those populations.

**Table 2-3 Definition of Declared Rare Flora and Priority Flora species (DEC 2011a)**

Conservation Code	Category
T	<p><b>Declared Rare Flora – Extant Taxa</b></p> <p>Taxa which have been adequately searched for and are deemed to be in the wild either rare, in danger of extinction, or otherwise in need of special protection, and have been gazetted as such. Threatened Flora are further ranked by the Department according to their level of threat using IUCN Red List criteria:</p> <ul style="list-style-type: none"> <li>› CR: Critically endangered – considered to be facing an extremely high risk of extinction in the wild;</li> <li>› EN: Endangered – considered to be facing a very high risk of extinction in the wild;</li> <li>› VU: Vulnerable – considered to be facing a high risk of extinction in the wild.</li> </ul>
X	<p><b>Declared Rare Flora – Presumed Extinct Taxa</b></p> <p>Taxa which have been adequately searched for and there is no reasonable doubt that the last individual has died, and have been gazetted as such. Species that have not yet been adequately surveyed to be listed under Schedule 1 or 2 are added to the Priority Flora List under Priorities 1, 2 or 3.</p>
P1	<p><b>Priority One – Poorly Known Taxa</b></p> <p>Taxa which are known from one or a few (generally &lt;5) populations which are under threat, either due to small population size, or being on lands under immediate threat e.g. road verges, urban areas, farmland, active mineral leases etc, or the plants are under threat, e.g. from disease, grazing by feral animals etc. May include taxa with threatened populations on protected lands. Such taxa are under consideration for declaration as 'rare flora', but are in urgent need of further survey.</p>
P2	<p><b>Priority Two – Poorly Known Taxa</b></p> <p>Taxa which are known from one or a few (generally &lt;5) populations, at least some of which are not believed to be under immediate threat (i.e. not currently endangered). Such taxa are under consideration for declaration as 'rare flora', but urgently need further survey.</p>
P3	<p><b>Priority Three – Poorly Known Taxa</b></p> <p>Taxa which are known from several populations, and the taxa are not believed to be under immediate threat (i.e. not currently endangered), either due to the number of known populations (generally &gt;5), or known populations being large, and either widespread or protected. Such taxa are under consideration for declaration as 'rare flora' but need further surveying.</p>
P4	<p><b>Priority Four – Rare Taxa</b></p> <p>Taxa which are considered to have been adequately surveyed and which, whilst being rare (in Australia), are not currently threatened by any identifiable factors. These taxa require monitoring every 5-10 years.</p>

P5	<b>Priority Five – Conservation Dependent Species</b> Species that are not threatened but are subject to a specific conservation program, the cessation of which would result in the species becoming threatened within five years.
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## 2.4.2 Local and Regionally Significant Flora

In addition to plant taxa being recognised as significant through their DRF or Priority Flora status, they can also be significant for a number of other reasons. Guidance Statement No. 51 – *Terrestrial flora and vegetation surveys for environmental impact assessment in Western Australia* (EPA 2004) states that “significant flora” may include taxa that have:

- “a keystone role in a particular habitat for threatened species, or supporting large populations representing a significant proportion of the local regional population of a species;
- relic status;
- anomalous features that indicate a potential new discovery;
- being representative of the range of a species (particularly, at the extremes of range, recently discovered range extensions, or isolated outliers of the main range);
- the presence of restricted subspecies, varieties or naturally occurring hybrids;
- local endemism/a restricted distribution; or
- being poorly reserved. ”

Similarly, plant communities or vegetation may be considered “significant vegetation” for reasons other than a listing as a TEC. The EPA (2004) stated that these reasons include:

- “scarcity;
- unusual species;
- novel combinations of species;
- a role as a refuge;
- a role as a key habitat for threatened species or large populations representing a significant proportion of the local to regional total population of a species;
- being representative of the range of a unit (particularly, a good local and/or regional example of a unit in ‘prime’ habitat, at the extremes of range, recently discovered range extensions, or isolated outliers of the main range); or
- a restricted distribution. ”

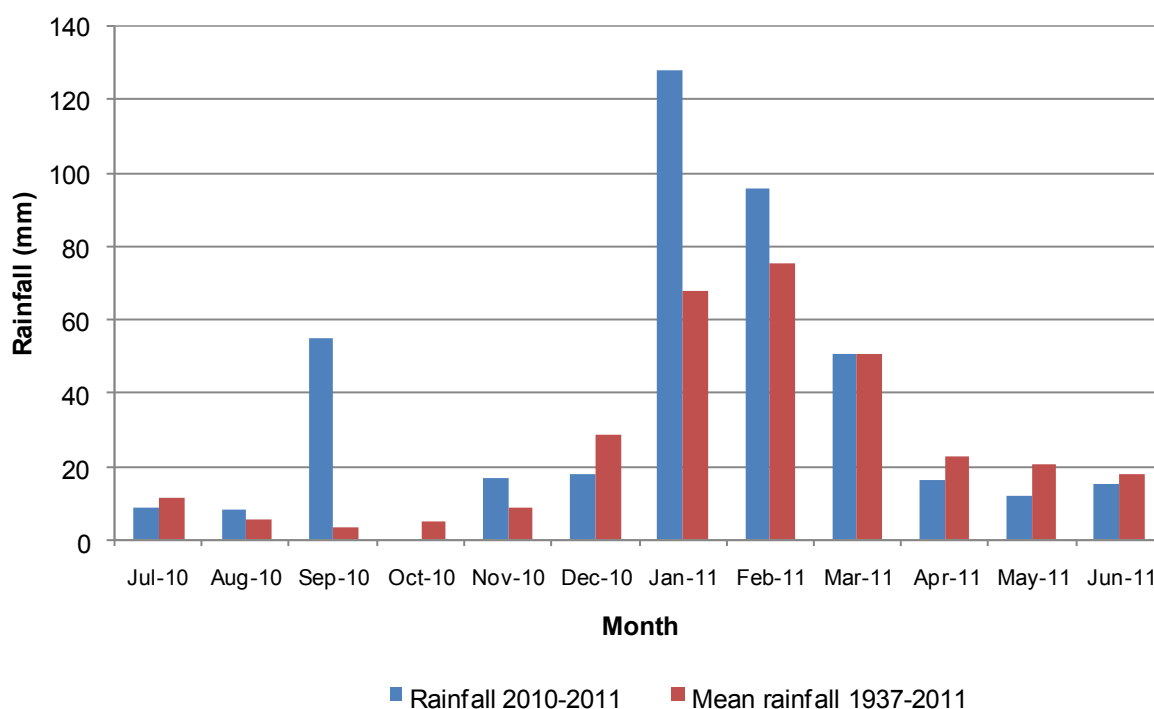
### 3 Regional Setting

The Nyidinghu Study Area (the Study Area), is located approximately 100 km northwest of Newman. The Study Area is located in the Fortescue Valley which is one of eight localities that make up the Pilbara Region in the Eremaean Botanical Province. The Study Area is 17,580 hectares and is situated within the Pilbara Interim Biogeographic Regionalisation for Australia (IBRA).

#### 3.1 Climate

The Pilbara region is described as being arid tropical with summer rain (Beard 1975). The Pilbara subregion is considered by the Bureau of Meteorology to be at high to severe risk of drought. Historically, the Pilbara region has suffered from a few extended periods when the whole area was affected by either serious or severe drought (van Vreeswyk *et al* 2004).

As is evident in **Graph 1**, the highest rainfall season is in the summer months, between December and March, sometimes extending out to April. Marillana Station experienced above average rainfall in five months in 2010-2011 in the months preceding the Nyidinghu Assessment.



**Graph 1** Climatic Data for Marillana station from 1937 – 2011 (Bureau of Meteorology 2011)

#### 3.2 Geology

The Pilbara region is situated on the Pilbara Craton with granite-greenstone terrane in its northern third and volcano-sedimentary successions (van Vreeswyk *et al* 2004). Beard (1975) describes the geology of the Fortescue Valley as quaternary alluvium, collovium and sand plains overlying the Tertiary Oakover formation (limestone and calcareous gravels) and chert breccia which are exposed locally.

### 3.3 Soils

The Soil Atlas of Australia data (Northcote *et al* 1960-1968) was used to identify the soils that occur within the Study Area. The soils are listed in **Table 3-1**, ordered as they are encountered when travelling south to north through the Study Area. The distribution of soils is illustrated in **Figure 3** at the end of the document.

**Table 3-1 Soils Identified within the Nyidinghu Study Area (Northcote et al 1960-1968)**

Soil Type	Description
My55	Gently sloping outwash plains generally flanking the northern face of the Hamersley Range; coarse surface gravels are extensive: chief soils are neutral red earths.
Mz25	Plains associated with the Fortescue valley, surface cover of stony gravels close to the ranges and hills. Chief soils are acid red earths with some neutral red earths, red-brown hardpan is absent. Creek lines are associated with calcareous earths and loams on kunkar and some hard red soils.
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. Soils are frequently stony and shallow and there are extensive areas without soil cover. Chief soils are shallow stony earthy loams.
Oc71	Outwash plains with a lot of coarse surface gravel. Chief soils are hard alkaline red soils however others do occur.
Ja1	Extensive valley plains largely associated with the Fortescue River. Chief soils are earthy clays. Small areas of calcrete also occur.
Oc70	Dissected pediments and low stony hills associated with Cherts, jaspilites, and iron ore formations. Course gravel evident on surface, chief soils are hard alkaline red soils.
Lb12	Valley flats along major drainage lines associated with limestone and calcareous gravels. Chief soils are highly calcareous earths with minor areas of shallow calcareous loams.

### 3.4 Land Systems

Between 1995 and 1999 the Department of Agriculture, Western Australia and the Department of Land Administration (now Department of Land Information), undertook the inventory of the Pilbara region of Western Australia. The purpose of the survey was to provide a comprehensive description and maps of the biophysical resources of the region with an evaluation of the condition of the soils and vegetation throughout, these were all documented in a report written by van Vreeswyk, Payne, Leighton and Hennig (2004). The Pilbara inventory recognised seven land systems within the Study Area. These are listed in

**Table 3-2** and illustrated in **Figure 4**.

**Table 3-2 Land systems and descriptions of the Nyidinghu Study Area (van Vreeswyk *et al* 2004)**

Land System	Land Type	Description
Divide	Sandplains and occasional dunes supporting shrubby hard spinifex grasslands.	Sandplains and occasional dunes with shrubby spinifex grasslands or pindan woodlands.
Boolgeeda	Stony plains with spinifex grasslands.	Stony lower slopes and plains below hill systems supporting hard and soft spinifex grasslands or mulga shrublands.
Newman	Hills and ranges with spinifex grasslands.	Rugged jaspilite plateaux, ridges and mountains supporting hard spinifex grasslands.
Urandy	Alluvial and sandy plains with soft spinifex grasslands.	Stony plains, alluvial plains and drainage lines supporting shrubby soft spinifex grasslands.
River	River plains with grassy woodlands and tussock grasslands.	Active floodplains, major rivers and banks supporting grassy eucalypt woodlands, tussock grasslands and soft spinifex grasslands.
Fan	WAH plains on hardpan with mulga stands	WAHplains and gilgai plains supporting groved mulga shrublands and minor tussock grasslands.
Fortescue	River plains and flood plains supporting patchy grassy woodlands and shrublands and tussock grasslands.	Alluvial plains and flood plains supporting patchy grassy woodlands and shrublands and tussock grasslands.
Marillana	Alluvial plains with acacia shrublands	Gravelly plains with large drainage foci and un-channelled drainage tracts supporting snakewood shrublands and grassy mulga shrublands.
Marsh	Salt lakes and fringing alluvial plains with halophytic shrublands.	Lakebeds and flood plains subject to regular inundation, supporting samphire shrublands, salt water couch grasslands and halophytic shrublands.
Calcrete	Calcrete plains with spinifex grasslands.	Low calcrete platforms and plains supporting shrubby hard spinifex grasslands.

### 3.5 Fortescue Marsh Area

Recently the Department of Water (DoW), DEC and Office of the EPA released the draft guideline for Environmental and Water Assessments Relating to Mining Operations in the Fortescue Marsh Area (Department of Water, Department of Environment and Conservation, and the Office of the Environmental Protection Authority 2011). The document divides the Fortescue Marsh area into seven management zones. All zones are further categorised into three levels of conservation significance, high, medium or low. The Study Area is situated on the Marillana Plain and the Poonda Plain. These are described in further detail below and illustrated in **Figure 5**.



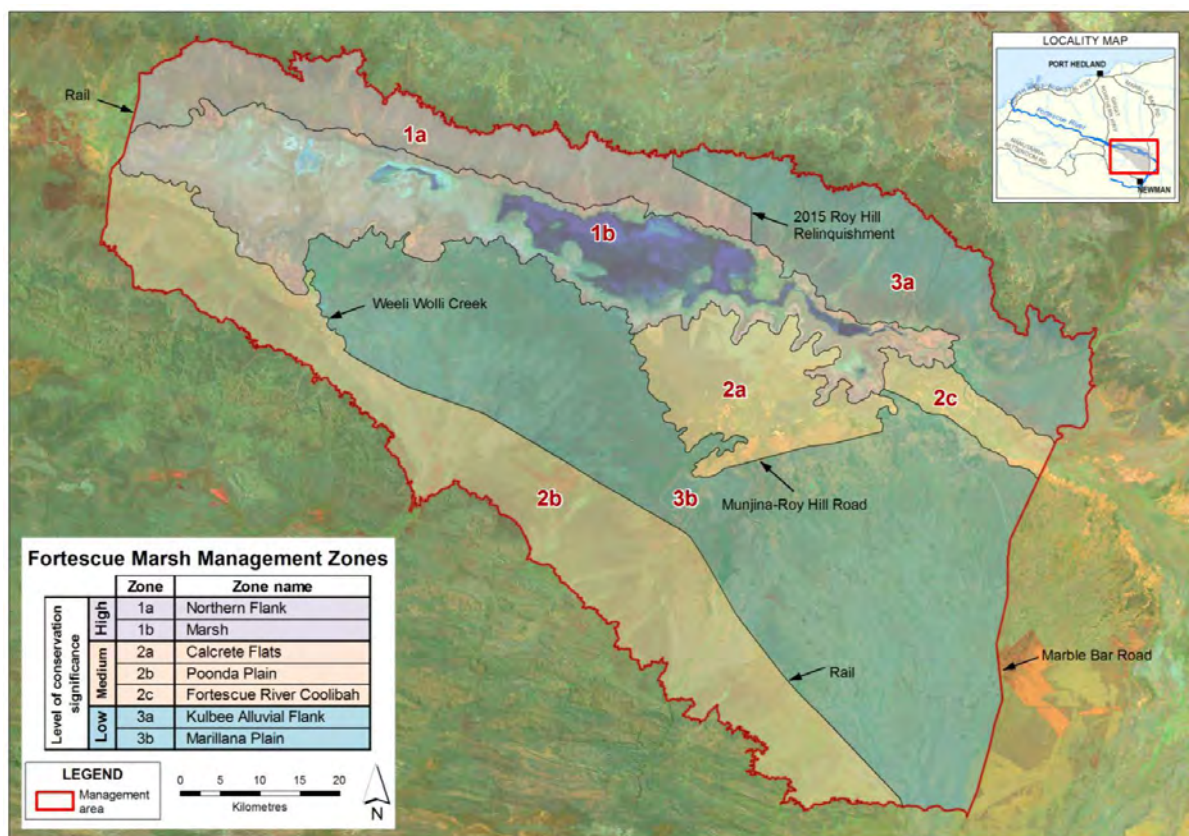


Figure 5 Fortescue Marsh management zones identified by DoW, DEC, and OEPA 2011

### Poonda Plain

Sitting below the Hamersley Range escarpment the plain supports undulating alluvial, stony and/or sandy plain with numerous drainage channels. The vegetation is dominated by riparian woodlands along drainage, extensive mulga woodland, and mixed *Acacia* shrublands on heavy alluvial soils and *Acacia* shrubland and spinifex grasslands on sandy plains. Dominant features include Weeli Wolli Creek, Coondiner Creek and the Fortescue Valley Sand Dunes PEC.

### Marillana Plain

The Marillana Plain is adjacent to the Poonda Plain and is flanked by the Fortescue Marsh and Calcrete Flats on the northern edge. The plain includes alluvial fans of Weeli Wolli and is dominated by mulga woodlands and mixed *Acacia* shrublands. Mulga woodlands have been recognised as having a high environmental value.

## 3.6 Vegetation

Mapping is available for Pilbara at several scales illustrating pre-European vegetation. The Department of Agriculture and Food WA have compiled multiple datasets together to create a spatial vegetation layer for Western Australia. The vegetation descriptions are based on Beard's (1975) original mapping of Western Australia however some areas are supplemented by more recent mapping. Four Beard (1975) vegetation types occur within the Study Area. **Table 3-3** details the vegetation types in order as they would be encountered travelling in a south to north direction across the Study Area. The vegetation unit numbers were derived from Beard's (1970) vegetation mapping

and the % remaining indicates the total percentage of pre-European vegetation still remaining within the Pilbara bioregion.

**Table 3-3 Vegetation types identified and the total extent of their occurrence within the Study Area, (Department of Environment and Conservation 2007)**

Vegetation Unit	Description	% Remaining
29	Sparse low woodland; mulga, discontinuous in scattered groups.	100 %
82	Hummock grasslands, low tree steppe; snappy gum over <i>Triodia wiseana</i> .	100 %
111	Hummock grasslands, shrub steppe; <i>Eucalyptus gamophylla</i> over hard spinifex.	100 %
676	Succulent steppe; samphire.	99.93 %

## 4 Methods

### 4.1 Desktop Survey

The desktop survey involved collation and review of data from:

- DEC Declared Rare Flora and Priority Flora database;
- The Western Australian State Herbarium (WAH) Specimen database for opportunistically collected Priority species;
- DEC Threatened Ecological Community and Priority Ecological Community database;
- Naturemap website;
- Department of Sustainability, Environment, Water and Communities DRF and TEC database (online); and
- Environment Protection and Biodiversity Conservation Protected Matters Database.

The Desktop search area for Declared Rare Flora and Priority Flora species was between 20 – 50 kilometres. A 100 kilometre buffer zone was used to undertake the Threatened and Priority Ecological Community search. All searches were based around a central point with the following coordinates: 738257 mE 7505505 mN GDA94

### 4.2 Field Work

#### 4.2.1 Timing

The field work was divided into two phases, each representing a different season.

Phase 1 was completed in the optimum sampling season for the Pilbara region in accordance with Guidance Statement 51 (Environmental Protection Authority 2004). Two 10-day field trips commenced on 28 March 2011 and finished on 21 April 2011. This period was considered the optimum sampling season due to the significant rainfall events experienced by the Pilbara region during February 2011 (see **Graph 1**). Field personnel involved in Phase 1 are detailed in **Table 4-1**.

**Table 4-1 Details of personnel involved in Phase 1**

Team	Personnel	Role	Collection Permit
Team A	Shane Chalwell	Senior Botanist	Coll permit:SL009597
	Bronwyn Neville	Field Assistant	NA
Team B	Floora de Wit	Botanist	Coll permit: SL009352 DRF permit: 157-1011
	Jessica Lisle	Field Assistant	NA
Team C	Chris Hancock	Senior Botanist	Coll permit SL009278
	Matthew Field	Field Assistant	NA

Phase 2 was completed over a 10-day period commencing on 4 July 2011 and finishing on 27 July 2011. The objective of Phase 2 was to re-sample all quadrats established in Phase 1 thereby ensuring all ephemerals and winter germinators were included in the biological inventory. Field personnel involved in Phase 2 are detailed in **Table 4-2**.

**Table 4-2 Details of personnel involved in Phase 1**

Team	Personnel	Role	Collection Permit
Team A	Shane Chalwell	Senior Botanist	Coll permit:SL009597
	Lisa Bannister	Field Assistant	NA
Team B	Floora de Wit	Botanist	Coll permit: SL009352 DRF permit: 157-1011
	Patrick Maher	Field Assistant	NA
Team C	Chris Hancock	Senior Botanist	Coll permit SL009278
	Bronwyn Neville	Field Assistant	NA

### 4.2.2 Survey Sampling Design and Intensity

The survey sampling plan was based on point based sampling, establishing at least one quadrat per forty hectares. The quadrat design was adapted to the vegetation communities present within the Study Area to ensure each vegetation community was represented by a minimum of two quadrats in accordance with Guidance Statement 51 (EPA 2004). Quadrat locations are illustrated in **Figure 6**.

Quadrats were established in accordance with Fortescue's *Flora and Vegetation Survey Guidelines* (100-GU-EN-0005). All corners of each quadrat were marked with aluminium stakes that stood a minimum of one metre above the ground. The GPS location was recorded at every corner, and a photograph was taken from the northwest and southeast corner facing the centre of the quadrat. Flora and vegetation were sampled systematically at every quadrat and the following parameters were recorded on Trimble Nomad handheld computers:

- Date
- Quadrat number
- Topography
- Soil type
- Litter cover
- Time since fire
- Disturbance
- Habitat
- Vegetation description
- Additional observations

The following information was recorded for all species present:

- Average height
- Percentage cover
- If a flora species was collected an average population size was estimated in the following categories: 2-5; 6-10; 11-25; 26-50; 51-100 and 101-200 to contribute to vouchering information when lodging at the WAH

The following were collected for flora species of conservation significance and introduced (weed) species:

- GPS location co-ordinates
- Abundance/population size estimates and population boundary co-ordinates(if appropriate)
- Photographic records
- Voucher specimen

The first three quadrats were surveyed by all three teams together thereby calibrating subjective measurements and ensuring all field team members were aware of the methodology adopted for the survey. The completion of Phase 2 also allowed the teams to identify and truth any taxonomical uncertainties from Phase 1.

### 4.2.3 Targeted Surveys

Targeted searches were undertaken for Threatened Flora (Declared Rare Flora) (Priority 1 species *Lepidium catapycnon*) identified as present within the Study Area from the desktop assessment. To determine the presence of Threatened Flora at identified locations, a spiral pattern was walked by one team to approximately a 600 metre radius.

Communities of significance identified in the desktop assessment were comprehensively surveyed, with additional quadrats established within these communities to gain an understanding of the composition and structure of the community.

## 4.3 Plant Identification

Plant specimens were dried and frozen in accordance with WAH standards. Plants were identified by an experienced botanist, Sharnya Thomson, who specialises in flora of the Pilbara. Expert advice from Bruce Maslin was sought to identify several *Acacia* samples, similarly, Rob Davis was consulted to identify several *Ptilotus* species. A review of all plant identifications was undertaken by Malcolm Trudgen and amendments were made where necessary.

Plant specimens that were considered of interest to the WAH were set aside for vouchering. A large number of specimens were of good quality due to the good rainfall season experienced in the Pilbara in 2011. All specimens that met WAH standards were set aside for vouchering.

## 4.4 Mapping

### 4.4.1 Vegetation Mapping

Structural vegetation mapping of the Study Area was completed with the assistance of aerial photography supplied by Fortescue. Vegetation mapping showed the locations and extents of discrete vegetation units along with landmarks, roads and tracks, the location of survey quadrats, and the location of flora of conservation significance.

Vegetation units were described and named using the National Vegetation Information System as published by the Executive Steering Committee for Australian Vegetation Information (2003). For this reason, consistency of vegetation units used in this study with those used in the previous Biota (2004) and Matiske (2005) vegetation mapping was not possible.

### 4.4.2 Condition Mapping

Condition mapping was undertaken for the Study Area. Condition mapping was based on field observations and obvious signs of disturbance (tracks, rail lines and water bores). A map illustrating vegetation condition of the Study Area was composed using the Trudgen (1991) vegetation condition scale summarised in **Table 4-3**.

**Table 4-3 Vegetation Condition Scale (Trudgen 1991)**

Condition Code	Definition
Excellent (E)	Pristine or nearly so, no obvious signs of damage caused by the activities of European man.
Very Good (VG)	Some relatively slight signs of damage caused by the activities of European man, e.g. some signs of damage to tree trunks caused by repeated fire and the presence of some relatively non-aggressive weeds such as <i>Ursinia anthemoides</i> or <i>Briza</i> species, or occasional vehicle tracks.
Good (G)	More obvious signs of damage caused by the activities of European man, including some obvious impact on the vegetation structure such as caused by low levels of grazing or by selective logging. Weeds as above, possibly plus some more aggressive ones.
Poor (P)	Still retains basic vegetation structure or ability to regenerate to it after very obvious impacts of activities of European man such as grazing or partial clearing (chaining) or very frequent fires. Weeds as above, probably plus some more aggressive ones such as <i>Ehrharta</i> species.
Very Poor (VP)	Severely impacted by grazing, fire, 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 including aggressive species.
Completely Degraded (CD)	Areas that are completely or almost completely without native species in the structure of their vegetation, e.g. areas that are cleared or “parkland cleared” with their flora comprising weed or crop species with isolated, native trees or shrubs.

#### 4.4.3 Bore-field Injection Area Mapping

The proposed bore-field injection area is 121,732 hectares and is situated between the Fortescue Marshes to the north and the Hamersley Ranges to the southwest (see **Figure 7**). Vegetation was classified as groundwater dependent or sheet flow dependent. Groundwater Dependent Vegetation (GDV) is defined as any vegetation that uses groundwater as part of survival ranging from complete reliance to those that only partially rely on groundwater such as during droughts (Australian Government 2012). Sheet flow dependent vegetation was defined as vegetation known to be highly dependent on sheet flow (Astron 2010).

Vegetation within the bore-field injection area (bore-field) was mapped using remote-sensing techniques. Detailed aerial photography was available for half of the bore-field with the remainder supplemented by Google Earth images. A computer software package, Multispec 32 (©Purdue Research Foundation) was used to capture the spectral signatures of vegetation communities of interest and identify vegetation in other areas with the same spectral signature. Data from the Nyidinghu vegetation survey was used to ground-truth the mapping.

#### 4.4.4 Data Analysis

Two forms of data analysis were undertaken:

1. Multivariate comparative analysis of quadrat data to assist with the delineation or discrete vegetation units;
2. Regional analysis to assist with assessing regional significance of the vegetation communities in the Study Area.



#### 4.4.4.1 Multivariate Comparative Analysis

The purpose of the multivariate comparative analysis was to support the delineation of plant communities within the Study Area. The Data analysis comprised of multivariate comparative analysis of survey quadrat data using the PCOrd (McCune & Mefford 2006 version 5.31) software package. Hierarchical clustering (agglomerative cluster analysis) illustrated discreet vegetation types which were illustrated as dendrograms.

The data analysis was undertaken considering the following:

- Foliage cover - presence absence is often an inadequate measurement for representing floristic communities.
- Perennials and annuals were included –the presence of the annuals was important when delineating plant communities.
- Analysis was done minus singletons (i.e. data records for species for which only one specimen was recorded within the Study Area) to reduce the error margin considerably.
- Ward’s method – according to McCune and Grace (2002) the Ward method avoids distortion by being space-conserving and has less chance of chaining.

Ward’s method (aka hierarchical grouping/minimum variance method/Orloci’s method) is based on minimising increases in the error sum of squares (the sum of the squares of distances from each individual to the centroid of its group) (McCune and Grace 2002). It is a space-conserving linkage method.

Due to the degree of error involved in estimating the foliage cover of each species, the Braun-Blanquet scale was used to classify the foliage cover data into six classes (**Table 4-4**).

**Table 4-4 Braun-Blanquet classes used to class foliage cover for data analysis purposes (Kent & Coker 1992)**

Braun-Blanquet Class	Description
+	Individuals, cover less than 1 %
1	Numerous plants, cover less than 5 %
2	Any number of plants, cover between 5 – 25 %
3	Any number of plants, cover between 25 – 50 %
4	Any number of plants, cover between 50 – 75 %
5	Any number of plants, cover greater than 75 %

## 4.5 Limitations

The following limitations were recognised during the flora and vegetation assessment for the Nyidinghu Study.

1. The bore-field aerial was supplemented by Google Earth images which may cause inconsistencies with quality of work.
2. Access to some parts of the Study Area was limited therefore quadrats are not evenly dispersed throughout the area.
3. Nomenclature of plant species are not all published names on Florabase (WAH 1998-). Malcolm Trudgen uses his own descriptive plant names. This ensured that the Nyidinghu dataset could be compared to the reference data set for the regional statistical analysis.

4. A certain degree of error has to be assumed for plant species that were identified in the field rather than collected and compared to the State Herbarium reference collection.
5. The species list generated from the field survey is not a complete inventory of all flora species present in the study area. Additional flora species including potential rare, priority or other conservation significant species may be present in the Study Area.

Limitations of the regional floristic analysis are detailed in the regional analysis report provided in **Appendix I**.

## 5 Results

### 5.1 Desktop Survey

#### 5.1.1 Vegetation Communities

Common vegetation communities that occur in the locality of the Study Area are described by Beard (1975) as:

- Sandplains of *Triodia basedowii* and occasional *Triodia pungens* with *Hakea lorea* and *Eucalyptus gamophylla*.
- Valley plains of irregular low *Acacia aneura* woodlands associated with *Acacia tetragonophylla*, *Acacia pruinocarpa*, *Acacia xiphophylla*, *Eucalyptus microtheca* and *Corymbia dichromophloia*. The ground layer is seasonal and comprises of mainly *Ptilotus exaltatus*.

#### 5.1.2 Threatened and Priority Ecological Communities

No Threatened Ecological Communities were identified as occurring within the vicinity of the Study Area in the Desktop Survey.

Two Priority Ecological Communities (PEC) were identified in the search area around the Study Area. **Figure 10** shows the recorded locations of the PECs and associated buffer areas derived from the DEC. The buffer radius around each occurrence of a TEC or PEC is included to help ensure that developments with potential to impact groundwater or surface water are picked up.

##### **Fortescue Marsh (Marsh Land System) – Priority 3**

Fortescue Marsh occurs on the Fortescue River, east of Mulga Downs, on the Marillana and Roy Hill Stations. This community supports endemic *Eremophila* species and several near endemic and new to science samphires. It is a recorded locality for Night Parrot and Bilby and supports several restricted aquatic invertebrates. Specific vegetation types are found on Mulga Downs, only around the marsh, and an unusual system occurs downstream.

Recognised threats to the Fortescue Marsh are mining, altered hydrology (watering with fresh water), grazing and weed infestation. The Fortescue Marsh occurs approximately 19 kilometres north of the existing BHP railway.

##### **Fortescue Valley Sand Dunes – Priority 3**

This community is composed of red linear sand dunes that lie on the Divide Land system at the junction of the Hamersley Range and Fortescue Valley, between Weeli Wolli Creek and the low hills to the west. A small number of dunes 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.

Recognised threats to this community include weed invasion especially from Buffel Grass and erosion. This community is known to occur at the western edge of the Study Area, this was verified during the field survey.

### 5.1.3 Other Communities of Conservation Interest

According to the Department of Mines and Petroleum (DMP) Conservation Reserves and Other Environmentally Sensitive Lands in Western Australia map (1998) and the Department of Environment and Conservation (DEC) Native Vegetation Map Viewer (DEC, 2011b), there are no Environmentally Sensitive Areas (ESA) in the locality of the Nyidinghu Study Area.

The Fortescue Plains subregion is described by Kendrick (2001) as supporting three areas of value in relation to landscape, ecosystem, species, and genetic value. These are listed below:

- Millstream Wetlands: permanent spring-fed streams, pools and river flow
- Millstream aquifer: extensive calcrete aquifer lying between Hamersley and Chichester Ranges
- Fortescue Marsh: extensive episodically inundated Samphire marsh

Both the Fortescue Marsh and the Millstream Pools are recognised as Wetlands of National Significance (Environment Australia 2001). The Millstream Wetlands and aquifer are more than 250 kms northeast of the Study Area. The Fortescue Marsh is located 15 kms north of the Study Area.

Additional ecosystems that have been recognised as being at risk by Kendrick (2001) that are relevant to the Nyidinghu Study include:

- Fortescue Marsh saltbush community described as mixed Chenopod, Samphire and Forblands
- Perennial grassland communities in the Fortescue Valley
- Grove-intergrove mulga communities at the Southern end of Northern apron of Hamersley range

The draft guideline for Environmental and Water Assessments Relating to Mining Operations in the Fortescue Marsh Area (DoW, DEC, OEPA 2011) also highlight the environmental significance of Mulga communities on the Marillana Plain, with respect to sheet flow.

### 5.1.4 Flora

The Desktop Survey revealed 4 DRF and 41 Priority Flora species that could potentially occur within the Study Area. Of the 45 flora of conservation significance identified, five had been recorded within the Study Area. Details of these previous records are provided in **Table 6-1**. A total of 10 DRF and Priority Flora species were considered likely to occur within the Study Area. Details of these species are provided in **Table 6-2**.

A tabulated list of these species, including an assessment of the likelihood of their presence within the Study Area is provided in **Appendix A**. Locations where DRF and Priority Flora species were identified in the Desktop Survey are shown in **Figure 9**.

## Nyidinghu Study– Flora and Vegetation Assessment

Prepared for Fortescue Metals Group

**Table 5-1 Details of Declared Rare and Priority flora previously recorded in the Nyidinghu Study Area**

Species (Status)	Year Collected	Location (GDA94)	Source	Comments
<i>Lepidium catapycnon</i> (R)	01/09/1999	743111 7497907	WA Herbarium no. PERTH 05548985	Confirmed by S. Patrick 10 July 2003
<i>Stylidium weeliwoffi</i> (P2)	04/09/1959	741467 7491471	WA Herbarium no. PERTH 02958511	Recorded at the head of "Willy Wally" creek.
<i>Acacia subtiliformis</i> (P3)	?/10/1992	746666 7495081	WA Herbarium no. PERTH 07879431	Confirmed by B.R. Maslin 06/06/2006
<i>Atriplex flabelliformis</i> (P3)	28/06/1984	743856 7516052	WA Herbarium no. PERTH 02381060	Moderately well-drained red clay loam on extensive sub-saline flat in bunch grassland.
<i>Goodenia nuda</i> (P4)	13/08/1965	743083 7497907	WA Herbarium no. PERTH 02611112	-

Table 5-2 Summary of Declared Rare and Priority Flora identified during the desktop assessment that were considered likely to occur within the Study Area

Species	Cons Code	Source	Presence	Recorded Location	Habitat	Study Suitability	Area
<i>Acacia effusa</i>	P3	DEC List	Potential	Karrijini NP, Mt Bruce, Hamersley ranges, Juna Downs	Low banded ironstone hills.	Suitable	
<i>Amaranthus centralis</i>	P3	DEC List	Potential	Newman	River associated with <i>Cenchrus ciliaris</i> under <i>Eucalyptus camaldulensis</i> ; Mulga woodlands.	Suitable	
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i>	P1	WA Herb; DEC List	Potential	East Angelas, Sylvania station, Newman,	Open Acacia woodland over Triodia; hardpan clay	Suitable in Mulga communities associated with claypans	
<i>Aristida lazaridis</i>	P2	WA Herb	Potential	Recorded at GDA94 735965:7445130	Hard spinifex hummock grassland with sparse overstorey of <i>Eucalyptus leucophloia</i>	Suitable	
<i>Brachyscome</i> sp. Wanna Munna Flats (S. van Leeuwen 4662)	P1		Unknown	Herbarium record: GDA94 682328:7501113 on 15/09/1998	Mulga woodland; dense low grasslands; <i>Corymbia deserticola</i> and <i>Acacia aneura</i> over <i>Triodia pungens</i> ; low in landscape flat terrain on cracking red clay-loam.	Suitable	
<i>Rostellularia adscendens</i> var. <i>latifolia</i>	P3	WA Herb	Potential	Recorded in 2007 at GDA94 696692:7489375 and at 697173 : 7488999	Mulga woodlands associated with <i>Hakea lorea</i> , <i>A. Tetragonophylla</i> , <i>Tephrosia rosea</i> , <i>Ptilotus obovatus</i> , <i>Cenchrus ciliaris</i> , and <i>Chrysopogon fallax</i> .	Potential	
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431)	P3	WA Herb	Potential		Hummock grassland of <i>Triodia</i> with <i>Acacia</i> and emergent Eucalypts; Mulga woodlands over <i>Eremophila forrestii</i> .	Suitable	



## 5.2 Field Survey Results

The field survey effort is represented in **Table 5-3** and shows the number of quadrats sampled and the proportion of the Study Area surveyed. Some gaps in the survey sampling plan were identified; these are shown in **Figure 8**. Gaps in the survey were a result of access issues. The field survey quadrat data collected is provided in **Appendix C** showing all abundance data, descriptive data and photographs.

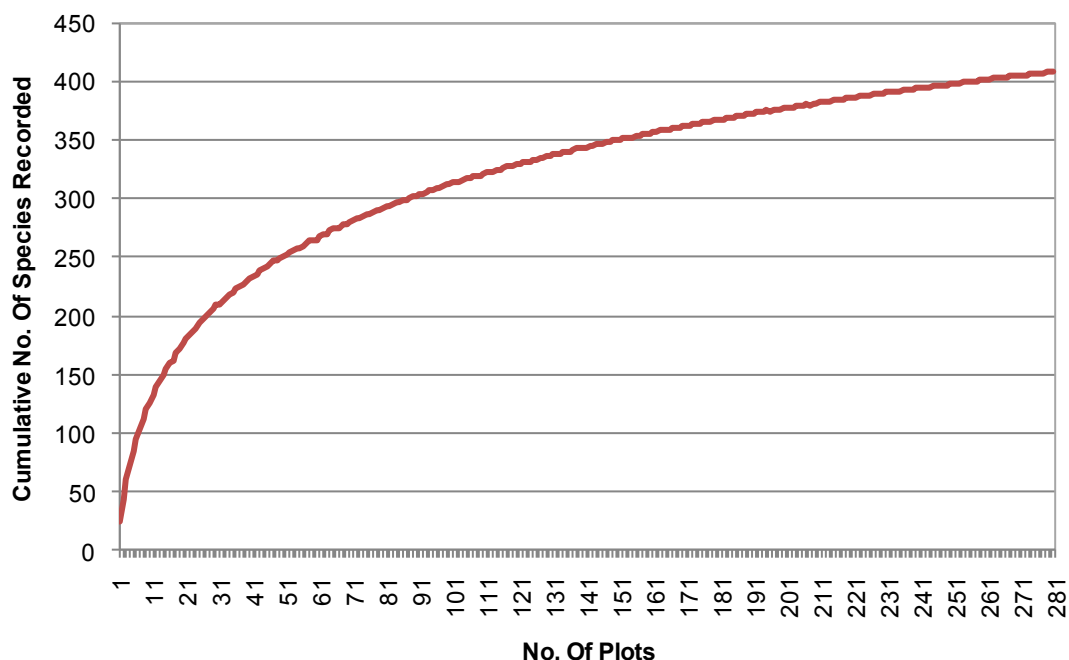
**Table 5-3** Summary of survey effort for the Nyidinghu Study

Field Phase	Effort	Proportion of Study Area Sampled
Phase 1	282 permanent quadrats established and monitored	0.4 %
Phase 2	227 re-monitored	0.3 %

A species area curve (also known as the species effort curve or the species accumulation curve) is commonly used to evaluate the adequacy of sample size in a community data set (McCune & Grace 2002). As shown in **Graph 2** the species area curve derived using the Nyidinghu Study field survey data increases rapidly and then starts to level out with:

- approximately 50% of species identified from less than 10% of the total number of quadrats surveyed; and
- approximately 90% of species identified using 65% of the total number of quadrats surveyed.

These characteristics of the species area curve provide a robust level of confidence that the field survey design was adequate for the size and floristic diversity of the Study Area.



**Graph 2** Species area curve for the 282 quadrats monitored for the Nyidinghu Study, 2011

### 5.2.1 Vegetation Communities

A total of 22 vegetation communities were observed and mapped in the Study Area. The distributions of identified vegetation communities within the Study Area are illustrated in **Figure 14** and further detailed in **Appendix C**. The dendrograms from the floristic community analysis (**Appendix D**) separated the vegetation communities into seven broad floristic types based on habitat and floristic structure. These categories are described below.

- Hummock grasslands on Sand Plains: five (5) communities dominated by *Triodia* species were identified on the sandy plains of the Study Area. The communities were characterised by sparse to isolated low trees (usually *Corymbia hamersleyana*) over open mixed *Acacia* shrublands over *Triodia* species.
- Fortescue Valley Sand Dune: PEC represented by one (1) vegetation community which was found in the northwest of the Study Area.
- Minor Creeklines and Floodplains: three (3) vegetation types were identified in areas where seasonal water flow is observed. Vegetation was dominated by several *Acacia* tree species over *\*Cenchrus ciliaris*.
- Major Creeklines: one (1) community was identified as riparian vegetation found along major creek beds. This community was dominated by *Eucalyptus victrix* over *\*Cenchrus ciliaris*.
- Hummock Grassland on Rocky Hills: one (1) community was identified on the skeletal soils of the low-lying hills. The community was characterised by isolated *Eucalyptus leucophloia* over sparse shrubs over *Triodia* sp. Shovelanna Hill IS. Van Leeuwen 3835).
- Cracking Clays ; lacking a tree layer these four (4) communities all support chenopod species and were found in the north and northwest of the Study Area.
- Mulga on Clay / Clay Loam Plain: seven (7) Mulga dominated communities in the northern half of the Study Area were identified.

The most diverse vegetation community was CoAdTp. The most sampled community (highest number of quadrats in the community) was AaAsCc, represented by 55 quadrats. **Table 5-4** and **Table 5-5** summarises the species richness and broad community description for all vegetation communities observed within the Study Area. The NVIS sub-association descriptions for each quadrat are provided in **Appendix E**.

**Table 5-4 Vegetation communities identified in the Study Area, their species richness and the extent of coverage (extent measured to nearest hectare, n = number of quadrats)**

<b>Vegetation Community</b>	<b>Broad Floristic Community Type</b>	<b>Species Richness</b>	<b>Extent (ha)</b>	<b>n</b>
<b>Hummock Grasslands on Sand Plains</b>				
ApAiTp	Triodia hummock grassland	92	203	4
CoAdTs	Triodia hummock grassland	95	567	12
CoAsTb	Triodia hummock grassland	147	1276	28
CoAaTp	Triodia hummock grassland	84	348	7
CoAdTp	Triodia hummock grassland	157	2974	31
<b>Fortescue Valley Sand Dunes</b>				
SsTs	Stylobasium sparse shrubland	41	25	4
<b>Minor Creeklines and Floodplains</b>				
AcAhCc	Acacia open woodland	49	934	14
ApAdCc	Acacia open woodland	118	2490	37
AtSaTp	Acacia mallee woodland	94	64	8
<b>Major Creeklines</b>				
EvAhCc	Eucalyptus woodland	61	618	7
<b>Hummock Grasslands on Rocky Hills</b>				
EIGwTs	Triodia hummock grassland	105	420	16
<b>Cracking Clays</b>				
AsCc	Acacia shrubland	21	109	3
AsEp	Acacia shrubland	12	82	2
MxEy	Melaleuca shrubland	85	124	7
MgCc	Melaleuca open shrubland	47	143	2
<b>Mulga on Clay / Clay Loam Plains</b>				
AaAsCc	Acacia woodland	136	1050	21
AaAsEs	Acacia open woodland	132	1886	15
AaAsTp	Acacia woodland	119	2444	11
AaAtCc	Acacia open woodland	101	326	9
AaEfTp	Acacia woodland	105	736	8
AaPsCf	Acacia woodland	143	2808	23
AxAsSa	Acacia sparse woodland	66	863	9

Table 5-5 Description of Vegetation communities identified in the Study Area

Code	Level V: Association
<b>Hummock Grasslands on Sand Plains</b>	
ApAiTp	<i>Acacia pruinocarpa</i> and <i>Acacia citrinoviridis</i> low open woodland over <i>Acacia inaequilatera</i> , <i>Eremophila longifolia</i> and <i>Acacia ancistrocarpa</i> mid to tall shrubland over <i>Triodia pungens</i> low hummock grassland
CoAdTs	<i>Corymbia opaca</i> and <i>Eucalyptus gamophylla</i> low isolated trees over <i>Acacia dictyophleba</i> , <i>Hakea chordophylla</i> and <i>Acacia ancistrocarpa</i> tall sparse shrubland over <i>Triodia schinzii</i> , <i>Triodia basedowii</i> and <i>Triodia pungens</i> low hummock grassland
CoAsTb	<i>Corymbia opaca</i> , <i>Eucalyptus gamophylla</i> and <i>Acacia inaequilatera</i> low open woodland over <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia dictyophleba</i> and <i>Acacia inaequilatera</i> tall sparse shrubland over <i>Triodia basedowii</i> low hummock grassland
CoAaTp	<i>Corymbia opaca</i> , <i>Acacia inaequilatera</i> and <i>Eucalyptus gamophylla</i> low open woodland over <i>Acacia ancistrocarpa</i> , <i>Petalostylis labicheoides</i> and <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> tall shrubland over <i>Triodia pungens</i> low hummock grassland
CoAdTp	<i>Corymbia opaca</i> and <i>Acacia inaequilatera</i> low to mid open woodland over <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia dictyophleba</i> and <i>Acacia pachyacra</i> tall sparse shrubland over <i>Triodia pungens</i> low hummock grassland
<b>Fortescue Valley Sand Dune Vegetation</b>	
SsTs	<i>Stylobasium spathulatum</i> and <i>Acacia dictyophleba</i> tall sparse shrubland over <i>Triodia schinzii</i> and <i>Triodia basedowii</i> low hummock grassland
<b>Minor Creeklines and Floodplains</b>	
AcAhCc	<i>Acacia citrinoviridis</i> and <i>Acacia pruinocarpa</i> low open woodland over <i>Atalaya hemiglauca</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> tall isolated shrubland over * <i>Cenchrus ciliaris</i> mid tussock grassland
ApAdCc	<i>Acacia pruinocarpa</i> , <i>Corymbia hamersleyana</i> and <i>Acacia citrinoviridis</i> low to mid open woodland over <i>Acacia dictyophleba</i> , <i>Hakea lorea</i> subsp. <i>lorea</i> and <i>Acacia synchronicia</i> tall sparse shrubland over * <i>Cenchrus ciliaris</i> and * <i>Cenchrus setiger</i> mid tussock grassland
AtSaTp	<i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Gossypium robinsonii</i> low open mallee shrubland over <i>Senna artemisioides</i> subsp. <i>oligophylla</i> and <i>Acacia adoxa</i> var. <i>adoxo</i> mid sparse shrubland over <i>Triodia pungens</i> low hummock grassland
<b>Major creekline vegetation</b>	
EvAhCc	<i>Eucalyptus victrix</i> , <i>Acacia citrinoviridis</i> and <i>Acacia pruinocarpa</i> mid open woodland over <i>Atalaya hemiglauca</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> tall isolated shrubland over * <i>Cenchrus ciliaris</i> and * <i>Cenchrus setiger</i> mid tussock grassland
<b>Hummock Grasslands on Rocky Hills</b>	
EIGwTs	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Acacia bivenosa</i> tall sparse shrubland over <i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835) and <i>Triodia epactia</i> low hummock grassland.
<b>Cracking Clay Vegetation</b>	
AsCc	<i>Acacia synchronicia</i> mid sparse shrubland over <i>Atriplex amnicola</i> and <i>Maireana pyramidata</i> and <i>Rhagodia eremaea</i> mid Chenopod open shrubland
AsEp	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia xiphophylla</i> and <i>Acacia synchronicia</i> tall open shrubland over <i>Enneapogon polyphyllus</i> low open grassland
MxEy	<i>Melaleuca xerophila</i> , <i>Acacia synchronicia</i> and <i>Eremophila youngii</i> subsp. <i>lepidota</i> mid to tall shrubland over <i>Atriplex amnicola</i> mid to tall Chenopod shrubland
MgCc	<i>Melaleuca glomerata</i> , <i>Acacia tetragonophylla</i> and <i>Eremophila youngii</i> subsp. <i>lepidota</i> tall shrubland over * <i>Cenchrus ciliaris</i> mid tussock grassland
AxAsSa	<i>Acacia xiphophylla</i> and <i>Acacia aneura</i> low isolated trees over <i>Acacia synchronicia</i> and <i>Acacia tetragonophylla</i> mid to tall sparse shrubland over <i>Salsola australis</i> <i>Maireana pyramidata</i> and

Code	Level V: Association
	<i>Sclerolaena cuneata</i> low sparse chenopod shrubland
<b>Mulga on clay / clay loam plains</b>	
AaAsCc	<i>Acacia aneura</i> and <i>Acacia pruinocarpa</i> woodland over <i>Acacia synchronicia</i> shrubland over * <i>Cenchrus ciliaris</i> and * <i>Cenchrus setiger</i> tussock grassland
AaAsEs	<i>Acacia aneura</i> low to mid open woodland over <i>Acacia synchronicia</i> tall shrubland to open shrubland over <i>Eragrostis setifolia</i> low sparse grassland
AaAsTp	<i>Acacia aneura</i> , <i>Acacia aptaneura</i> and <i>Acacia pruinocarpa</i> low woodland to open woodland over <i>Acacia synchronicia</i> and <i>Psydrax latifolia</i> tall open shrubland over <i>Triodia pungens</i> low hummock grassland
AaAtCc	<i>Acacia aneura</i> and occasional <i>Eucalyptus victrix</i> low to mid open woodland over <i>Acacia tetragonophylla</i> , * <i>Vachellia farnesiana</i> and <i>Acacia synchronicia</i> mid to tall open shrubland over * <i>Cenchrus ciliaris</i> mid tussock grassland
AaEfTp	<i>Acacia aneura</i> , <i>Acacia pruinocarpa</i> and <i>Acacia aptaneura</i> low woodland over <i>Eremophila forrestii</i> , <i>Acacia ancistrocarpa</i> and <i>Acacia tetragonophylla</i> tall open shrubland over <i>Triodia pungens</i> low hummock grassland
AaPsCf	<i>Acacia aneura</i> low woodland over <i>Psydrax latifolia</i> , <i>Acacia tetragonophylla</i> and <i>Acacia synchronicia</i> tall open shrubland over <i>Chrysopogon fallax</i> and * <i>Cenchrus ciliaris</i> low to mid open tussock grassland

## 5.2.2 Threatened and Priority Ecological Communities

No Threatened Ecological Communities were identified during the field surveys of the Study Area.

Two Priority Ecological Communities (PECs) were recorded within the vicinity of the Study Area at the locations illustrated in **Figure 15**. These PECs and details concerning their occurrence are as follows:

### Fortescue Marsh (Marsh Land System) – Priority 1

The Fortescue Marsh was identified as occurring in the northern portion of the Study Area. The associated samphire communities were not identified during the field survey however consideration should be given to this PEC due to the close proximity to the proposed Nyidinghu Project. Access issues prevented the field teams from reaching the edge of the Fortescue Marsh PEC.

### Fortescue Valley Sand Dunes – Priority 3

The Fortescue Valley Sand Dune (FVSD) PEC was identified in the northwest of the Study Area. This was correctly identified in the desktop assessment and further verified during the field survey. The associated vegetation community identified for the Nyidinghu Study was the SsTs shrubland community comprising of *Stylobasium spathulatum* over *Corchorus ?elachocarpus* and *Triodia* species. This concurs with the description of the Fortescue Valley Sand Dune PEC as listed by the DEC (2011c).

## 5.2.3 Other Communities of Conservation Interest

The Study Area supports one community identified by Kendrick (2001) as an area of value, namely, the grove-intergrove Mulga communities at the southern end of the northern apron of the Hamersley Range. Furthermore, the draft guideline for Environmental and Water Assessments Relating to Mining Operations in the Fortescue Marsh Area (DoW, DEC, OEPA 2011) states that Mulga vegetation

communities on the Marillana Plain are of key environmental value for surface water management in the Fortescue Marsh because they are known to support sheet flow dependent Mulga communities.

There are six Mulga communities identified in the Study Area that occur on the Marillana Plain and are therefore deemed as having a high environmental value. These Mulga communities are described in **Table 5-6**. The spatial distribution of vegetation within all six communities mentioned indicated that they are entirely or partially sheet flow dependent.

**Table 5-6 Mulga communities on the Marillana Plain**

Vegetation Community	Description	Area (ha)
AaAsTp	<i>Acacia aneura</i> , <i>Acacia aptaneura</i> and <i>Acacia pruinocarpa</i> woodland to open woodland over <i>Acacia synchronicia</i> and <i>Psydrax latifolia</i> open shrubland over <i>Triodia pungens</i> hummock grasslands.	1899
AaAtCc	<i>Acacia aneura</i> and occasional <i>Eucalyptus victrix</i> woodland over <i>Acacia tetragonophylla</i> , <i>*Vachellia farnesiana</i> and <i>Acacia synchronicia</i> open shrubland over <i>*Cenchrus ciliaris</i> tussock grassland.	326
AaEfTp	<i>Acacia aneura</i> , <i>Acacia pruinocarpa</i> and <i>Acacia aptaneura</i> woodland over <i>Eremophila forrestii</i> , <i>Acacia ancistrocarpa</i> and <i>Acacia tetragonophylla</i> open shrubland over <i>Triodia pungens</i> hummock grassland.	192
AaAsCc	<i>Acacia aneura</i> and <i>Acacia pruinocarpa</i> woodland over <i>Acacia ?synchronicia</i> shrubland over <i>*Cenchrus ciliaris</i> and <i>*Cenchrus setiger</i> tussock grassland.	366
AaAsEs	<i>Acacia aneura</i> open woodland over <i>Acacia synchronicia</i> shrubland to open shrubland over <i>Eragrostis setifolia</i> sparse grassland	1441
AaPsCf	<i>Acacia aneura</i> woodland over <i>Psydrax latifolia</i> , <i>Acacia tetragonophylla</i> and <i>Acacia synchronicia</i> open shrubland over <i>Chrysopogon fallax</i> and <i>*Cenchrus ciliaris</i> open tussock grassland.	2335

These communities exhibit sheet flow dependence by their spatial pattern within the Study Area representing grove-intergrove Mulga communities (bands of Mulga characterised by ‘groves’ of bare areas). An example of this is shown in **Figure 17**.

### 5.2.4 Vegetation Community Condition

Several types of disturbance to vegetation communities were observed within the Study Area including:

- cattle (trampling, soil compaction, grazing and spread of introduced species);
- fire;
- mining, with Weeli Wolli Creek altered by upstream mining activities and disturbance from historical exploration activities evident along southwest border;
- vehicle tracks; and
- introduced flora species that have caused displacement of native vegetation.

The condition of vegetation communities observed in the Study Area ranged from Excellent to Good condition, using Trudgen’s Vegetation Condition Scale (1991), with the recorded pattern of spatial variation in vegetation condition illustrated in **Figure 18**.

Dense weed infestations were observed in multiple vegetation communities. In vegetation associated with major creeklines (EvAhCc) *\*Cenchrus ciliaris* had clearly displaced native herbaceous species by dominating the understorey layer. The spread of introduced species is likely caused by a combination of wind, surface water, native animal and livestock seed dispersion.



Damage from cattle was evident throughout the area, particularly near the Roy-Hill road. Heavily grazed areas were barren, with only dead tufts of grass remaining. Near Weeli Wolli Creek the cattle have created numerous tracks where the ground is heavily compacted leaving it bare and uninhabitable due to heavy soil compaction.

Photographs of disturbances are in **Appendix C3**.

### 5.2.4.1 Fire

There were several old fire scars observed from the aerial photography of the Study Area. Evidence of the fire showed they were approximately 2-5 years old. Australian native vegetation is adapted to fire and often recover quickly. Alterations in fire regimes however could have negative impacts on the community composition particularly if introduced species are pioneering species that are able to take advantage of fire events.

### 5.2.5 Flora

A total of 392 vascular native plant species were recorded during the field surveys of the Study Area representing 151 genera and 46 families. Of all species recorded, 91 taxa were recorded once (singletons) and 52 taxa were recorded twice within the Study Area. **Table 5-7** and **Table 5-8** tabulate the most diverse families and genera recorded in the Study Area. A complete species list is presented in **Appendix B1** and a species by quadrat matrix is presented in **Appendix B2**.

There are several reasons for the discrepancy between the species area accumulation curve total number of species (405) and the total number of species shown in **Appendix B1**. The species area accumulation curve considered all species, native and introduced species. Specimens that were not able to be accurately identified (denoted by a "?", e.g. *Acacia ? aneura*) however were already represented by other specimens that were accurately identified (*Acacia aneura*), were excluded from the species list.

**Table 5-7 Summary of families with the highest recorded species richness for the Nyidinghu Study**

Family	No. of Native taxa
Fabaceae	76
Poaceae	63
Malvaceae	40
Amaranthaceae	19

**Table 5-8 Summary of genera with the highest recorded species richness for the Nyidinghu Study**

Genus	No. of Native taxa
<i>Acacia</i>	36
<i>Ptilotus</i>	13
<i>Eremophila</i>	10
<i>Senna</i>	10

#### 5.2.5.1 Conservation Significant Species

No Threatened Flora (Declared Rare Flora) pursuant to subsection 2 of section 23F of the *WC Act* 1950 or Threatened Flora species pursuant to Schedule 1 of the *EPBC Act* were recorded within the Study Area.

A targeted search was undertaken for the Priority 1 species *Lepidium catapycnon* which was the only Threatened Flora identified during the desktop assessment as occurring in the Study Area. The targeted search for *Lepidium catapycnon* did not recover any plants at the location where it has previously been recorded (**Figure 11**). The following factors may contribute to this:

- the record was from an isolated population of *Lepidium catapycnon* which was not detectable at the times of survey due its short-lived nature; and/or
- the prevalence of unfavourable climate or other habitat conditions that were not present in 1999 when the record was made;

Six Priority Flora species were recorded within the Study Area during the field surveys. Three of these species, namely *Calotis squamigera*, *Eragrostis crateriformis* and *Vigna sp.* Central (M.E. Trudgen 1626), were not identified in the Desktop Survey. Details concerning the recorded species, including the vegetation type(s) within which they were recorded, are presented in **Table 5-9**. Locations of Priority Flora species are illustrated in **Figure 12** and tabulated in **Appendix H**.

**Table 5-9 Details of Declared Rare and Priority flora recorded in the Nyidinghu Study Area**

Species (Status)	Life form and habitat	Number of WAH records	Number of Study Area quadrat records	Associated Vegetation Communities (n=number of quadrat records)
<i>Calotis squamigera</i> (P1)	Procumbent annual herb that grows up to 0.21 metres high and is commonly associated with pebbly loam soils.	1	2	AaAsTp (n=1)
<i>Eragrostis crateriformis</i> (P3)	Annual grass that grows 0.17-0.42 metres in height and is commonly associated with creek banks and depressions.	9	2	AaPsCf (n=2-5)
<i>Eremophila spongicarpa</i> (P1)	An intricate spreading shrub that grows 0.5-1 metres tall. Branches are rigid and spinescent. Plants are only known from saline soils around the Fortescue Marsh.	18	2	MxEy (n=6-10)
<i>Eremophila youngii</i> subsp. <i>lepidota</i> (P4)	Shrub with persistent lucid scales on the branches and leaves that is commonly associated with low-lying areas subject to periodic flooding on red-brown clay or sandy loams. They usually occur in Mulga woodlands.	25	8	MxEy (n=50-100) MgCc (n=13-30)
<i>Goodenia nuda</i> (P4)	An erect ascending herb that grows up to 0.5 metres.	20	5	AaPsCf (n=1) AaAsTp (n=4-10) AaAtCc (n=6-10) AaEfTp (n=1)
<i>Vigna sp.</i> Central (M.E. Trudgen 1626) (P2)	Little is known about distribution or characteristics of this species at this time.	6	1	MgCc (n=1)

### 5.2.5.2 Other Native Species of Interest

Other species of conservation interest include *Melaleuca xerophila*. This species is uncommon in the Pilbara and location within Study Area is northern limit of distribution. The populations of *Melaleuca xerophila* and associated vegetation communities within the Study Area are significant and have a high conservation value.

**Table 5-10 Details of flora of interest recorded in the Nyidinghu Study Area**

Species	Life form and habitat	Number of WAH records	Number of Study Area quadrat records	Associated Vegetation Communities* (n=number of quadrat records)
<i>Melaleuca xerophila</i>	Shrub or tree 2-6 metres high. White flowers flowering August to October. Grows on calcareous soils in depressions and margins of salt lakes.	57	7	MgCc (n=2-5) MxEy (n=11-25)

### 5.2.5.3 Introduced Species

Ten introduced species were recorded in the Study Area, locations and details of these are illustrated in **Figure 13** and detailed in **Appendix H**.

None of the introduced species are listed as:

- declared Plants under the Agriculture and Related Resources Protection Act 1976; or
- weeds of national significance (Thorp and Wilson 1998-).

The most common introduced species recorded was *\*Cenchrus ciliaris* (Buffel Grass), which dominated several vegetation communities, creeks and floodplains in particular. Four species are considered to have a high environmental impact on biodiversity according to the Environmental Weed Strategy of Western Australia (DEC 2008-2010). Details concerning the introduced species are summarised in **Table 5-11**.

**Table 5-11 Introduced species recorded (note: number of plants is an average)**

Species	Life form and habitat	Comments	No. of Q	Rating (DEC 1999)
* <i>Aerva javanica</i>	Erect, much-branched perennial herb that grows up to 1.6 metres high. Commonly found on sandy soils along drainage lines.	Used to assist in the revegetation of degraded rangelands	15	High
* <i>Bidens bipinnata</i>	Erect annual herb that can grow up to 1.5 metres high. Grows on alluvium, clay, loam over sandstone and limestone. Commonly found along rivers and creeks, coastal areas, and rocky hillsides.	Often spread by cattle	24	-
* <i>Cenchrus ciliaris</i>	Tufted perennial grass that grows up to 1.5 metres high. Grows on white, red or brown sand, stony red loam and black cracking clay.	Fodder food planted by farmers for their cattle. Spreads rapidly as a result of vehicle and cattle movements.	207	High
* <i>Cenchrus setiger</i>	Erect tussocky stoloniferous perennial grass that grows up to 0.5 metres high. Found on brown sands, red loam, and pindan soils. Commonly found on sand dunes, plains, rangelands, stony hillsides, and floodplains.	Fodder food planted by farmers for their cattle. It is a serious weed of watercourses from Carnarvon to the Kimberley.	37	High
* <i>Citrullus lanatus</i>	Trailing annual herb that is commonly found on plains, riverbanks, centres of drying lakes, drainage areas and disturbed areas.		1	Low
* <i>Echinochloa colona</i>	Tufted annual grass that grows up to 0.6 metres tall. Found on black sand and black clay along creeks, swamps and irrigated crops in the Kimberley and Pilbara region.		3	Mild
* <i>Malvastrum americanum</i>	Erect perennial herb that grows up to 1.3 metres tall. Found on orange/red/yellow sands, gritty alluvial sand, black/brown clay, alluvial cracking clays, limestone, and calcrete soils on stony ridges and hillsides, floodplains and along drainage lines.		34	Moderate
* <i>Portulaca oleracea</i>	Prostrate succulent herb	Common and widespread weed of horticulture, paddocks and gardens.	128	-
* <i>Setaria verticillata</i>	Loosely tufted annual grass that grows on sand, clay and loam soils.	Widespread weed of disturbed land from the Kimberley and Pilbara to Three Springs.	2	Low
* <i>Vachellia farnesiana</i>	Erect, spreading, thicket-forming, thorny tree or shrub that grows up to 4 metres tall. The bark is dark grey and rough and has pinnate leaves. Grows on stony sandy clay or loam soils and gravel. Commonly found in low-lying areas, river and creek banks, and disturbed sites.		19	High

### 5.3 Bore-field Injection Area Mapping

A total of 3 broad floristic community types were identified as being partially or entirely dependent on water and occurring within the proposed 121,732 hectare bore-field injection area. Details concerning the structure of these communities, their status with respect to surface/groundwater dependence, and extents within the bore-field injection area are provided in **Table 5-12**. The distributions of the identified vegetation communities within the bore-field injection area are illustrated in **Figure 19**.

The communities mapped were defined and categorised based on their broad floristic community type due to the large extent of the bore-field injection area. The following three community types were identified:

- major creekline vegetation;
- Samphire communities on clay / sandy clay plains; and
- Mulga on clay / clay loam plains

The Samphire community was not identified anywhere in the bore-field injection area and was not recorded in the Nyidinghu Study Area.

**Table 5-12 Broad floristic community types mapped within the bore-field injection area**

Broad Floristic Community Type	Description	Water Dependence	Area (ha)
Major Creekline Vegetation	Communities dominated by <i>Eucalyptus victrix</i> which is commonly associated with major water courses.	Partially phraetophytic species	
Samphire communities on clay / clay loam flats	Communities dominated by <i>Halosarcia</i> species.	Groundwater	0
Mulga on clay / clay loam plains	Communities dominated by <i>Acacia aneura</i> species growing in bands (see <b>Figure 17</b> ). Requires sheet water flow for “key aspects of their survival” (Eco Logical 2010). The Mulga stands are important for nutrient capture, by absorbing water that runs off bare areas the Mulga stands create nutrient pockets which enables the growth of other perennial species.	Surface water	

*Eucalyptus victrix* is commonly associated with major water courses, including in the Nyidinghu Study Area where it dominated the edges of Weeli Wolli Creek.

Samphire communities are dominated by *Halosarcia* species and typically occur in areas where groundwater is close to the surface (Gregg Barrett & Associates Pty Ltd 2005).

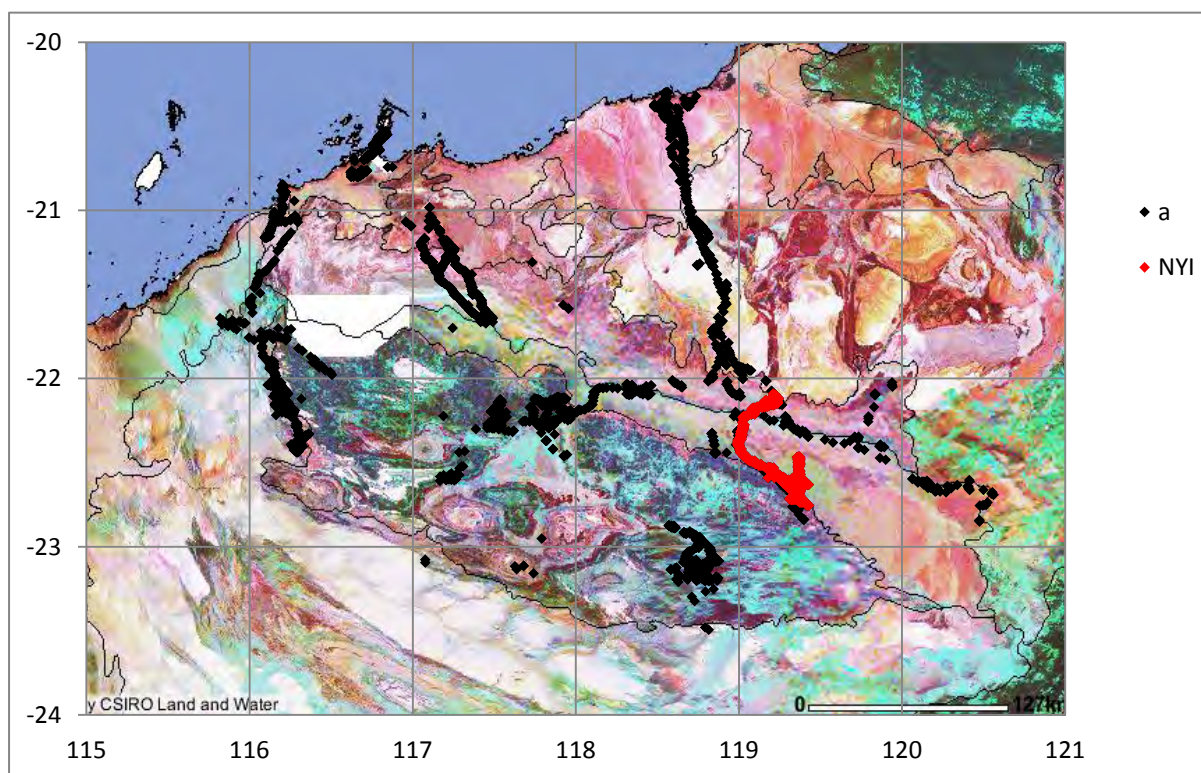
*Acacia aneura* complexes were delineated within the bore-field injection area. *Acacia aneura* stands ranged from closed (>70 %) to open (<30 %) with some stands growing in a ribbed pattern across the direction of overland sheet flow.

### 5.4 Regional Analysis

Regional analysis was undertaken by M.E. Trudgen and Associates (**Appendix I**). A detailed review was undertaken by John Delaney, a Principal Ecologist for Cardno. This is provided in **Appendix J**. The regional statistical analysis uses a dataset created by MET (Malcolm Trudgen) and consists of data obtained from previous studies conducted in the Pilbara. The spatial distribution of the dataset is



shown in. Please note that the Nyidinghu Rail data is excluded from this discussion however is still visible on **Figure 20**.



**Figure 20** Spatial distribution of reference sites and Nyidinghu sites, black = reference, red = Nyidinghu (derived from Griffin and Trudgen 2012).

The reference data set has been divided into 600 groups which is described by Griffin & Trudgen (2012) as being somewhat similar level of synthesis to the “plant community” and “vegetation association” concepts. The analysis results were divided into three categories, reasonable, moderate and poor. Below is a list of communities and their association with the reference groups. **Table 5-13** shows the number of quadrats representing each vegetation community and their ‘association’ with the reference groups.

There are six vegetation communities that have no “reasonable” similarity at the 600- group level: AsCc; AsEp; AxAsSa; EvAhCc; and MxEy. These communities were mainly grouped into the Chenopods on Clay / Sandy Clay Plains and Major Creekline broad floristic types. Community MgCc showed one quadrat showed “reasonable” similarity, and one quadrat showed “poor” similarity to the reference sites.

Hummock grasslands on sand plains showed that a higher number of quadrats were “reasonably” similar than “moderately” similar, indicating adequate representation in the reference data set. The Fortescue Valley Sand Dune community was adequately represented; this is likely due to over-sampling of this PEC community from government agencies. Acacia woodlands in flowlines are reasonably to moderately represented in the reference data set. Species in these communities are common in the Pilbara therefore these units are likely to be widespread when analysis is done only on presence absence data. Hummock grasslands on rocky hills refer to communities on the Hamersley Range escarpment. Due to a number of large projects continuing in the Hamersley Ranges and the addition of this data in the reference data set this community is also reasonably to moderately well represented. Mulga on clay / clay loam plain vegetation are moderately represented, showing unique spatial distribution of grove/intergrove mulga as a result of drainage from the Weeli Wolli Creek.

**Table 5-13 Vegetation Community similarity with the 600- reference groups shown by number of quadrats classified as “reasonable”, “moderate”, and “poor”.**

<b>Code</b>	<b>Reasonable</b>	<b>Moderate</b>	<b>Poor</b>
<b>Hummock Grasslands on Sand Plains</b>			
ApAiTp	2	2	0
CoAdTs	10	2	0
CoAsTb	20	8	0
CoAaTp	5	2	0
CoAdTp	23	8	0
<b>Fortescue Valley Sand Dune Vegetation</b>			
SsTs	4	0	0
<b>Acacia woodlands in Flowlines</b>			
AcAhCc	5	9	0
ApAdCc	11	26	0
AtSaTp	3	5	0
<b>Major Creeklines</b>			
EvAhCc	0	6	1
<b>Hummock Grasslands on Rocky Hills</b>			
EIGwTs	9	7	0
<b>Chenopods on Clay / Sandy Clay Plains</b>			
AsCc	0	2	1
AsEp	0	0	2
MxEy	0	5	2
MgCc	1	0	1
<b>Mulga on Clay / Clay Loam Plain Vegetation</b>			
AaAsCc	4	16	1
AaAsEs	8	7	0
AaAsTp	3	8	0
AaAtCc	3	5	1
AaEfTp	6	2	0
AaPsCf	8	15	0
AxAsSa	0	9	0



## 6 Discussion

The Nyidinghu flora and vegetation survey was conducted in accordance with Guidance Statement 51 thereby ensuring that information is sufficient for the EPA to assess potential impacts. Due to the nature and scale of the proposal, a Level 2 survey was completed. A total of 282 permanent 50 x 50m quadrats were established and monitored twice incorporating two seasons. The species area accumulation curve illustrates a steep incline that levels off. This indicates a robust level of confidence that the intensity of sampling was adequate for the size of the Study Area.

### 6.1 Vegetation Communities

There were 22 vegetation communities identified and delineated within the Nyidinghu Study Area. Data analysis grouped these into seven categories based on habitat and floristic composition and structure. The seven categories include:

- Hummock grasslands on sand plains
- Fortescue Valley Sand Dune
- Acacia woodland in flowlines
- Major Creeklines
- Hummock grasslands on rocky hills
- Chenopods on clay/sandy clay plains
- Mulga on clay/clay loam plains.

For the purposes of this report vegetation is considered to be of “conservation significance” if it contains:

- Species that are at the edge of their known range and that are a dominant species in the vegetation community.
- Vegetation units described in relevant literature as being floristic communities of conservation significance.
- Communities recognised in the literature as of conservation significance.

The Priority 3 Fortescue Valley Sand Dune (FVSD) community was identified within the Nyidinghu Study Area in the northwest and mapped as SsTs. The FVSD community located within the Study Area is 25 hectares in size and has a species richness of 41 species. The area was heavily grazed and dominated the understorey by \**Cenchrus ciliaris* (Buffel Grass) which is an aggressive introduced species. The FVSD was found 15-20 kilometres northeast from the ground disturbance activities proposed in the Nyidinghu Mining Proposal. All data obtained from quadrats situated within the FVSD community has been submitted to the DEC.

The *Draft guideline for Environmental and Water Assessments Relating to Mining Operations in the Fortescue Marsh Area* (DoW, DEC and OEPA 2011) recognises Mulga woodlands on the Marillana Plain as having a significant environmental value due to its association with sheet flow. Sheet flow dependent vegetation provides important ecological functions, the interaction between the vegetation bands and bare patches have implications on the routing of water, sediments, nutrients, seeds and litter. Sheet flow vegetation reduces surface water flow rates and helps distribute surface water over a broad area, thereby reducing erosion (Cammeraat and Imeson 1999).

There were six Mulga communities identified in the Study Area which occur on the Marillana Plain:

- AaAsCc- *Acacia aneura* and *Acacia pruinocarpa* woodland over *Acacia ?synchronicia* shrubland over \**Cenchrus ciliaris* and \**Cenchrus setiger* tussock grassland.
- AaAsTp - *Acacia aneura*, *Acacia aptaneura* and *Acacia pruinocarpa* woodland to open woodland over *Acacia synchronicia* and *Psydrax latifolia* open shrubland over *Triodia pungens* hummock grasslands.
- AaAsEs - *Acacia aneura* open woodland over *Acacia synchronicia* shrubland to open shrubland over *Eragrostis setifolia* sparse grassland
- AaAtCc- *Acacia aneura* and occasional *Eucalyptus victrix* woodland over *Acacia tetragonophylla*, \**Vachellia farnesiana* and *Acacia synchronicia* open shrubland over \**Cenchrus ciliaris* tussock grassland.
- AaEfTp - *Acacia aneura*, *Acacia pruinocarpa* and *Acacia aptaneura* woodland over *Eremophila forrestii*, *Acacia ancistrocarpa* and *Acacia tetragonophylla* open shrubland over *Triodia pungens* hummock grassland.
- AaPsCf - *Acacia aneura* woodland over *Psydrax latifolia*, *Acacia tetragonophylla* and *Acacia synchronicia* open shrubland over *Chrysopogon fallax* and \**Cenchrus ciliaris* open tussock grassland.

The spatial distribution of vegetation within all six communities mentioned indicated that they are entirely or partially sheet flow dependent. Alterations in surface water flow as a result of development may potentially impact these Mulga woodlands.

It should be recognised that there is already a railway line dissecting the Nyidinghu Study Area. The existing railway is likely to have already adversely affected surface water flow between the Hamersley Ranges and the Fortescue Marsh therefore development to the south of the existing railway is unlikely to cause further impact to these communities.

## 6.2 Flora

### 6.2.1 Native Species

392 vascular native plant species were recorded during the field surveys of the Study Area representing 151 genera and 46 families. The Fabaceae family was the most diverse with 68 recorded Fabaceae species followed by Poaceae (54 species), Malvaceae (36 species) and Amaranthaceae (19 species). The *Acacia* genera was the best represented with 31 *Acacia* species recorded. The average number of species recorded per quadrat was 25 species ( $\pm 0.63$  standard error).

The desktop assessment results showed that five flora species of conservation significance have previously been recorded within the Study Area, namely, *Lepidium catapycnon* (R), *Styloidium weeliwoilli* (P2), *Acacia subtiliformis* (P3), *Atriplex flabelliformis* (P3) and, *Goodenia nuda* (P4).

A targeted search was undertaken for the Priority 1 taxon, *Lepidium catapycnon* but no populations were recorded in the vicinity of the previous record or elsewhere within the Study Area. It is likely that the historical record of the *Lepidium catapycnon* was an exceptional find or that coordinates for the WAH record are incorrect. The WAH record of *Lepidium catapycnon* was from 1999 and located on sandy soils on a flat plain. This location description in of itself is unusual as the preferred habitat of *Lepidium catapycnon* are hills with skeletal soils of the Hamersley Ranges. It is possible that the record was from an isolated population of *Lepidium catapycnon* which was not detectable at the times of survey due its short-lived nature; or that the prevalence of unfavourable climate or other habitat conditions that were not present in 1999 when the record was made.

***Calotis squamigera*** (P1) was recorded at one quadrat situated in the centre of the Study Area where only one individual was recorded. The vegetation community (AaAsTp) comprised of *Acacia aneura* and *Acacia pruinocarpa* open woodland over *Psyrax latifolia* and *Eremophila forrestii* subsp. *forrestii* over *Chrysopogon fallax* and *Triodia pungens*.

***Eragrostis crateriformis*** (P3) populations were recorded at two locations, each represented by only one individual. *Eragrostis crateriformis* was associated with AaPsCf, comprising of *Acacia aneura* woodlands over *Psyrax latifolia*, *Acacia synchronicia* and *Acacia tetragonophylla* over *Chrysopogon fallax*, *Corchorus tridens* and mixed herbs. *Eragrostis crateriformis* has previously been associated with creek banks and depressions suggesting that these locations in the Study Area are low-lying depressions where water is more often readily available. A flowering specimen was collected and vouchered for the WAH.

Two populations of ***Eremophila spongiorcarpa*** (P1) were recorded. One population comprised of 2-5 individuals, the other comprised of 6-10 individuals. Both populations were recorded in the northern portion of the Study Area in community MxEy, comprising of *Melaleuca xerophila*, *Acacia synchronicia* and *Eremophila youngii* subsp. *lepidota* shrubland over *Atriplex amnicola* heath shrub. Due to the locations of the *Eremophila spongiorcarpa* populations in the northern portion of the Study Area it is unlikely that they will be adversely affected by the Nyidinghu proposal.

Eight populations of ***Eremophila youngii* subsp. *lepidota*** (P4) were recorded, each population comprising of five individuals at a minimum. All populations of *Eremophila youngii* subsp. *lepidota* were recorded in the northern portion of the Nyidinghu Study Area, commonly associated with *Acacia synchronicia*, *Acacia xiphophylla* and *Acacia aneura* woodlands over *Psyrax latifolia*, *Atriplex amnicola* and *Corchorus tridens* over *\*Cenchrus ciliaris*, *Enneapogon polyphyllus* and *Chrysopogon fallax*.

***Goodenia nuda*** (P4) was recorded at five quadrats in the Nyidinghu Study Area in Field Phase 1. Three of these populations were not recovered in Phase 2. It is likely that the lack of available soil moisture during Phase 2 caused these plants to die. *Goodenia nuda* was commonly associated with grove/intergrove Mulga communities characterised by large bare patches and clumps of Mulga vegetation on red brown clay loam soils.

One plant of ***Vigna* sp. Central (M.E. Trudgen 1626)** was identified in one quadrat. The species was found in the northern portion of the Study Area in association with community MgCc comprising of *Melaleuca glomerata*, *Acacia tetragonophylla* and *Eremophila youngii* subsp. *lepidota* shrubland over *\*Cenchrus ciliaris* tussock grassland. Little is known about *Vigna* sp. Central's distribution or characteristics at this time.

### 6.2.2 Introduced Species

Ten introduced flora species were recorded in the Study Area, none of which are classified as Weeds of National Significance (Department of Sustainability, Environment, Water, Population and Communities 2009) or a Declared Weeds under the *Agriculture and Related Resources Protection Act* 1976, or considered weeds of national significance by the National Weeds Strategy Executive Committee (NWSEC) (Thorpe and Wilson 1998).

*\*Cenchrus ciliaris* was the most common introduced species and was recorded in 207 quadrats (73% of quadrats), often in high abundance. The presence of this invasive grass has caused displacement of native herbaceous plants especially in vegetation communities associated with flowlines. Cattle observed in the Study Area are likely contributors to the spread of *\*Cenchrus ciliaris* in the region.

Historically, farmers have purposely seeded *\*Cenchrus ciliaris* and *\*Cenchrus setiger* to provide fodder food for their cattle (Hussey *et al* 1997). Vegetation communities dominated by *\*Cenchrus ciliaris* are likely to be susceptible to bush fires due to the increased fuel load. The DEC environmental weeds strategy lists *\*Cenchrus ciliaris* as having a high ecological impact, causing acute disruption of ecological processes by dominating and significantly altering vegetation structure and composition (DEC 2008-2010).

### 6.3 Fire

The flora species and vegetation communities occurring within the Study Area are adapted to and reliant on the periodic fire events. The timing, frequency and intensity of sequential fire events experienced within each part of the Study Area would have been one of the primary determinants of the species composition, structure and condition of the vegetation growing in that area.

In general terms any change in the frequency/intensity of fire has the potential to have adverse impacts on the flora species and vegetation occurring in that area. This includes the exclusion of fire from an area, which can result in long-term changes in the vegetation structure, species composition and fuel loads. The eventual occurrence of a high intensity fire can result in a series of changes associated with diminished post-fire regeneration of the vegetation.

### 6.4 Dust

Several flora species of conservation significance occur in close proximity to proposed infrastructure locations and are likely to be impacted by dust. The impact of dust on vegetation remains uncertain although a study into such impacts is currently being conducted (G. Turner Masters study, pers comm.). Species of conservation significance that were identified as occurring in close proximity to proposed infrastructure include:

- *Eragrostis crateriformis* – P3; and
- *Goodenia nuda*– P3.

Dust related impacts are likely to be minor provided that appropriate dust suppression measures are implemented, however monitoring of the impact of dust on vegetation and flora of conservation significance is recommended.

### 6.5 Regional Analysis

The following communities showed only “moderate” or “poor” associations with reference data groups:

- AsCc
- AsEp
- AxAsSa
- EvAhCc
- MxEy

Of these communities, three (AsCc, AsEp and MxEy) are associated with the broad floristic type of Chenopods on clay / sandy clay plains. This broad floristic type is associated with the southern edge of the Fortescue Marshes, acting as a buffer between the Mulga (*Acacia aneura* spp.) communities on clay / clay loam plains and the samphire communities associated with the Fortescue Marshes. As the Fortescue Marshes is a unique land system in the Pilbara all vegetation communities associated with it are expected to be poorly represented on a regional scale.

The community AxAsSa represents *Acacia xiphophylla* and scattered *Acacia aneura* trees over sparse Acacia shrubland and sparse Chenopod shrubland. This community creates a mosaic with communities associated with denser Mulga leading up to the Chenopod communities mentioned previously.

Community EvAhCc is associated with Weeli Wolli Creek and is unique on the Fortescue Valley physiographic unit. This vegetation unit is therefore locally and regionally unique and not well represented in the reference data set.

The key findings of a review undertaken by John Delaney (Cardno 2012) of the regional analysis report (Griffin & Trudgen 2012) were:

Geomorphology and the underlying geology are major influence on the formation and distribution of the floristic groups found by the classification. Superficially (at the scale of the images), it appears that many of the floristic groups have similar geographic patterns. It is likely that this represents different segments of catenas (also referred to as land units within the land system mapping). In other terms, this represents rapid change in floristic composition over short distances due to differences in soils and habitats.

Overall, the distribution of sites allocated to discrete floristic units by the analysis seems to make sense with some caution needed in the interpretation. The basic problem (as much as data issues) is likely to be that the assignment of the data to only six hundred groups forces too much variation into many of these groups. It seems that when areas (based on geology and physiography) not well sampled in the reference data set are added to the analysis, then new units are encountered. This seems to be the case for the Weeli Wolli alluvial fan, the Fortescue Valley and other such physiographic units in the survey area. Possibly surprisingly it seems to be the case for the Chichester Plateau, which is somewhat better sampled in the reference data set than the Weeli Wolli alluvial fan.

The Weeli Wolli alluvial fan (and to some unknown level the Fortescue River alluvial fan) has a significant diversity of floristic types not found in the 2,883 site reference data set. While it is obvious that five of these types were not in the reference data because it did not sample the Weeli Wolli alluvial fan, it does not take away from the fact that these units are restricted to the alluvial fan and for the other three largely restricted to it in the available data.

The logical conclusion is that the Weeli Wolli alluvial fan has quite high floristic diversity in the vegetation that occurs in it and that a significant portion of this variation is likely to be restricted to it, or to it and the adjoining Fortescue River alluvial fan.

The conclusion is that the Hamersley Escarpment has relatively low floristic diversity in the vegetation that occurs on it in the Nyidinghu area and little of the variation is likely to be restricted to the Nyidinghu area. However, it should be noted that there are relatively few sites from the Escarpment in the Nyidinghu data set, which contributes to the lower diversity compared to the Weeli Wolli alluvial fan.

The regional analysis was undertaken based on floristics only based on presence and absence of species. This limits the analysis somewhat as community structure and abundance are not taken into consideration. This approach to the analysis is considered the most appropriate for a dataset of this size.

## 7 Impact Assessment

A comprehensive analysis of potential impacts on vegetation communities and flora was completed for the Nyidinghu Study Area. Fortescue supplied Cardno with infrastructure locations and extent of the area that would be disturbed to facilitate the implementation of the proposed Nyidinghu Project.

Based on available information this impact assessment considers the likely impact of the Nyidinghu Project in relation to:

- vegetation clearance activities;
- alterations to surface hydrology;
- alterations to groundwater hydrology;
- introduced species;
- alterations to natural fire regimes; and
- dust.

### 7.1 Vegetation Clearance Impacts

Vegetation clearing is an immediate direct impact that will result from the proposed implementation of the Nyidinghu Study. Vegetation clearing will be required for the purpose of establishing the mining pit(s), waste dump(s), stockpile areas, associated iron ore processing and handling infrastructure, mining camps and bore-fields.

#### 7.1.1 Impacts of Vegetation Communities

Patterns of vegetation clearing within the Study Area will not be uniform with the primary areas of vegetation clearing to be located in the south of the Study Area. The impact of vegetation clearing will therefore vary between vegetation communities dependent on the location of infrastructure associated with the Nyidinghu Project.

The Beard (1975) pre-European vegetation types identified within the Study Area currently have 99.93% to 100% of vegetation remaining. Therefore, vegetation clearing and potential indirect impacts to vegetation is not expected to cause any of the vegetation communities to drop below the threshold level of 30 % of pre-European vegetation.

Regional analysis indicates that communities not represented, or poorly represented elsewhere in the Pilbara include:

- AsCc
- AsEp
- AxAsSa
- EvAhCc
- MgCc
- MxEy

Therefore mentioned communities have either:

- no quadrats that are “reasonably” similar to reference data; or
- less than 50 % of quadrats are “reasonably” or “moderately” similar to reference data.

It is unlikely that direct impacts from vegetation clearing will affect the communities in the northern corridor (AsCc, AsEp, AxAsSA, MgCc, and MxEy) due to the Nyidinghu Proposal in its current form. Details regarding the exact location of infrastructure will determine whether community EvAhCc



(Weeli Wollie Creek) will be impacted by clearing. Potential indirect impacts are more likely to affect this community.

### 7.1.2 Impacts on Flora of Conservation Significance

Analysis of impacts to flora of conservation significance was based on the number of populations/individuals present within the Study Area compared to the number of populations known locally and regionally. To determine the regional and local significance of Priority Flora populations the following rankings were used:

- High – species located only in Study Area; <10 known populations in total;
- Moderate – known range of species <50 kilometres from Study Area; >10 known populations in total; and
- Low – known range of species >50 kilometres.

Clearing of vegetation associated with the Nyidinghu Project will directly impact two recorded Priority Flora. **Table 7-1** summarises the flora of conservation significance identified in the Study Area and the likely impact on these.

#### *Calotis squamigera* – P1

*Calotis squamigera* was recorded at one (1) quadrat, where only one individual was recorded, situated within an area of AaAsTp - *Acacia aneura*, *Acacia aptaneura* and *Acacia pruinocarpa* woodland to open woodland over *Acacia synchronicia* and *Psyrdrax latifolia* open shrubland over *Triodia pungens* hummock grasslands. This community occurs within the proposed waste dump area, and again north of the railway associated with flowlines.

Known populations of *Calotis squamigera* are located closer to the northwest coast of Western Australia between Karratha to Port Hedland. Populations of *Calotis squamigera* in the Study Area are considered regionally significant as they have not previously been recorded in the local area. The impact on *Calotis squamigera* is considered high.

The impact on *Calotis squamigera* on the local and regional populations of this species is potentially high. Further targeted surveys for *Calotis squamigera* within suitable areas of habitat within the Study Area would enable a more precise assessment to be made of the local and regional significance of Study impacts.

#### *Goodenia nuda* – P4

*Goodenia nuda* was recorded at five (5) quadrats, with only one individual recorded at two (2) of the five quadrats. Associated vegetation communities include Mulga on clay / clay loam plains (AaPsCf, AaAsTp, AaAtCc and AaEfTp). This indicates that *Goodenia nuda* is associated with grove-intergrove Mulga communities.

Vegetation clearance associated with the Nyidinghu Study is unlikely, based on available information, to impact on the following Priority Flora species which were identified in the Study Area:

- *Goodenia nuda* – P4
- *Eragrostis crateriformis* – P3
- *Eremophila youngii* subsp. *lepidota* – P4
- *Vigna* sp. Central (M.E. Trudgen 1626) – P2

**Table 7-1 Details of flora of conservation significance recorded within the Study Area and impact significance**

Species	Cons. Status	# of records within Study Area	# of records outside the Study Area	# of populations to be impacted	Impact	Comments
<i>Calotis squamigera</i>	P1	1	2	1	High	Regionally significant as there are no other known records from the vicinity of Study Area
<i>Eragrostis crateriformis</i>	P3	2	8	0	High	Regionally significant as there are no known populations in the vicinity of Study Area
<i>Goodenia nuda</i>	P4	3	24	2	Low	Recorded in close proximity to proposed infrastructure
<i>Eremophila spongiocarpa</i>	P1	2	18	0	Low	Occurs in northern corridor which has been excluded from Study Area. Potential impact from altered hydrological regime
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	P4	8	27	0	Low	Occurs in northern corridor which has been excluded from Study Area. Potential impact from altered hydrological regime
<i>Vigna</i> sp. Central (M.E. Trudgen 1626)	P2	1	6	0	Low	Occurs in northern corridor which has been excluded from Study Area. Potential impact from altered hydrological regime

### **7.1.3 Priority Ecological Communities**

One PEC was recorded in the Study Area and one PEC was recorded in close vicinity to the Study Area. The likely impact of vegetation clearance on the PEC is as follows.

#### **Fortescue Marsh (Marsh Land System) Priority 1**

There is unlikely to be any clearance of the Fortescue Marsh (Marsh Land System) Priority 3 PEC which extends into the very northern sector of the Study Area. The current proposal does not involve the establishment of any infrastructure or conduct of mining activities within the vicinity of Fortescue Marsh (Marsh Land System) PEC.

#### **Fortescue Valley Sand Dune Priority 3**

There is unlikely to be any direct impacts on the Fortescue Valley Sand Dune Priority 3 Ecological Community which is confined to the far western corner of the Study Area. Based on available details no mining infrastructure or activities are proposed within areas that support the Fortescue Valley Sand Dune PEC. Potential indirect impacts may affect this community e.g. dust, altered surface water flow, and erosion.

### **7.1.4 Communities of Conservation Interest**

Grove-intergrove Mulga communities on the Marillana Plain were identified as having key environmental values for surface water management in the Fortescue Marsh. These communities on the Marillana Plain are sheet flow dependent vegetation communities, located north of the BHP Mt Newman rail. These vegetation units provide important ecological functions related to water and nutrient retention.

Alterations in surface water flow as a result of development may potentially impact these Mulga woodlands. It should be recognised that there is already a railway line dissecting the Nyidinghu Study Area. The existing railway is likely to have already adversely affected surface water flow between the Hamersley Ranges and the Fortescue Marsh therefore development to the south of the existing railway is unlikely to cause further impact to these communities.

## **7.2 Surface Hydrology Impacts**

The Nyidinghu Study will require alterations to landforms and drainage patterns with the associated potential for impacts upon native flora and vegetation communities. Adverse impacts to native vegetation and flora associated with altered surface hydrology can be attributed to a number of factors, including the following.

1. The diversion of stormwater runoff away from flora and vegetation associated with wetlands, drainage channels, and topographical depressions that rely on periodic surface water flows and/or ponding.
2. The concentration of surface flows resulting in erosion of drainage lines and loss of flora and damage to vegetation communities and/or deposition of sediment;
3. The ponding of water within drainage channels associated with the establishment of infrastructure crossings.
4. The release of groundwater into surface water systems with impacts associated with either increased flow volumes or periods and changes to water qualities (e.g. release of saline groundwater).

Other impacts upon native flora species and vegetation communities of conservation significance associated with potential alterations to surface drainage and water flow patterns are likely to be minor at the regional scale. However localised interception of surface sheet flows associated with the construction of roads, rail and drainage infrastructure may impact the identified sheet flow dependent vegetation by intercepting surface water flow. **Table 7-2** provides a summary of the general nature of potential impacts to vegetation associated with alteration of surface flows.

Vegetation within the Study Area dependent on sheet flow includes the Mulga (*Acacia aneura*) communities. The EPA considers the Mulga vegetation located at the northern and southern flanks of the Fortescue Marsh to be the northern limit of Mulga in Western Australia (EPA 2011). Mulga is highly morphologically variable and appears to play an important role in water and nutrient capture, and is thus important to ecosystem function (ENV Australia 2010a). Potential impacts on these communities depend on the magnitude and extent of impacts and capacity to manage/mitigate impacts (e.g. engineering design).

It should be recognised that the existing BHP Mt Newman railway is likely to have already impacted on the surface water flow in Mulga communities on the southern flank of the Fortescue Marsh. Therefore, development occurring south of the existing railway is unlikely to cause further impacts.

**Table 7-2 Potential impacts of altered surface water (adopted from Eco Logical 2010)**

Impact on sheet flow	Location	Impact on sheet flow dependent vegetation	Timescale
Water ponding	Upslope of infrastructure	Excess water leading to change in SFDV <ul style="list-style-type: none"> <li>› Increased growth and recruitment with increased water</li> <li>› Decreased growth and recruitment with increased water</li> <li>› Invasion of exotic and native plants (weeds) in altered environment</li> </ul>	Short to long-term (months to decades)
Water starving	Down slope of infrastructure	Reduced water leading to decreased growth and recruitment	Long-term (years to decades)
Erosion	Down slope of infrastructure, below culverts	Concentrated flow leading to erosion	Short to medium-term (months to years) following large rainfall events
Deposition	Down slope of infrastructure, below culverts	Erosion and transport of sediment leading to deposition	Short to medium-term (months to years) following large rainfall events
Channel formation	Down slope of infrastructure, below culverts	Concentrated flow leading to erosion and channel formation	Short to medium-term (months to years) following large rainfall events

### 7.3 Groundwater Impacts

A central Pilbara groundwater study was completed by the Water and Rivers Commission (Johnson & Wright 2001). They recognised the following potential impacts from de-watering of mine pits:

- Potential to reduce discharge flux and volumes of water available for habitat for aquatic ecosystems in wetlands and base-flow systems

- Lower watertable pressure
- Reduce or eliminate cave or aquifer ecosystems close to the mine
- Alter groundwater quality – salinity, pH, chemical composition
- Acid rock drainage from exposed rock

### 7.3.1 Groundwater Drawdown Impacts

The Nyidinghu Study will require de-watering of the mine-pit(s) with the associated potential for draw-down of the local aquifer and associated impacts upon any groundwater dependent flora and vegetation communities occurring within the draw-down zone.

The Fortescue Marsh located to the north of the Study Area, and approximately 15 km from the proposed mine sites, is an area of particular concern to Fortescue regarding potential mine de-watering impacts. In recognition of the potential for mine de-watering activities at the Nyidinghu Study to have adverse impacts on the Fortescue Marsh, Fortescue propose the establishment of a groundwater injection bore-field. Within this groundwater injection bore-field, proposed to be located between mine pit(s) and the Fortescue Marsh, groundwater extracted from the mine pit(s) will be injected back into the groundwater aquifer to avoid (or minimise) any draw-down effects upon the Fortescue Marsh.

Based on the vegetation mapping presented in the main area of concern regarding the potential impact as a result of altered groundwater levels is Weeli Wollie Creek. De-watering of the mine pit(s) may potentially impact the *Eucalyptus victrix* woodland associated with Weeli Wollie Creek as their hydrological regime is altered. *Eucalyptus victrix* is known as a partial phraetophytic species therefore is partially reliant on groundwater however to what degree depends on local groundwater conditions.

Details concerning seasonal fluctuations in groundwater levels in the Study Area are not known and nor is the likely impact of mine de-watering on those levels, as such an accurate assessment of potential impacts is not possible. If the mine de-watering operations result in a localised draw-down of groundwater in the vicinity of Weeli Wollie Creek, that is in excess of natural fluctuations, then this has the potential to adversely impact on *Eucalyptus victrix* communities. Whilst such impacts are possible they would generally be of a localised nature.

Although groundwater abstraction will lower the local watertable, it has been observed that these usually recover to the original level over time (Johnson & Wright 2001).

### 7.3.2 Groundwater Injection Impacts

Injection of excess ground water may result in ground water mounding and potentially stressor kill vegetation communities due to water logging and/or salt accumulation in the vegetation root zone.

Potential impacts from re-injecting water include:

- localised mounding of groundwater;
- surface expression of groundwater;
- altered groundwater quality – depending on quality of water injected; and
- erosion around infrastructure.

The potential impact of the groundwater injection operations will also need to consider any localised changes that could occur to the groundwater levels and qualities. Provided that the groundwater injection bore-field is managed in a manner that does not result in any substantial changes to seasonal groundwater levels, or the qualities of groundwater within the active root zone of groundwater dependent species then significant adverse impacts are not anticipated.

Groundwater modelling is being undertaken by Fortescue to assess the likely impacts of the Nyidinghu Study on groundwater systems and to determine how groundwater resources may be managed to avoid or minimise any impacts upon the Fortescue Marsh and any other groundwater dependent flora species and vegetation communities within or adjacent to the Study Area.

There will be some risk during the conduct of mine de-watering activities that water piped from the mine site to the bore field injection area may be released to the surface as a result of a rupture or leak of the pipes. Impacts upon native vegetation from this source are likely to be infrequent and localised provided that appropriate monitoring is undertaken and corrective actions are implemented as required.

### 7.4 Introduced Species

The Nyidinghu Study will involve a range of activities that have the potential to result in the introduction of new weed species to the Study Area and/or the spread of existing weed species. Such activities include the operation of machinery, movement of surface soil, including alteration of drainage patterns. The introduction and/or spread of weed species will also continue to occur within the Study Area due to non-Nyidinghu Project related activities and processes, including dispersal via livestock, native fauna, wind and water.

The potential for environmental degradation due to occur as a result of the introduction or spread of invasive species can be mitigated through the implementation of an appropriately designed and resourced weed management plan as part of the Nyidinghu Study.

### 7.5 Fire

The Nyidinghu Study will involve a range of activities that have the potential to alter the existing fire regime of the Study Area, in terms of both the frequency and intensity of fire experienced. The operation and maintenance of machinery and the presence of a workforce are all factors that have the potential to result in an increase in potential fire ignition sources, with a resultant increase in fire frequency. The same factors also mean that any fire event is more likely to be suppressed due to the potential risk that the fire presents to property or human health, and arrangements are likely to be in place to exclude fire from certain sensitive areas.

Prediction of the likely impact on the Study Area's flora and vegetation communities associated with changes to the existing fire regime is complex and requires consideration of a number of factors. Relevant factors to consider are:

- the nature of the existing fire regime that characterises the Study Area and the extent to which that regime represents an "optimal" regime for a particular species of community type;
- the nature of the fire management regime that will be implemented as part of the Nyidinghu Project; and
- the duration of the Nyidinghu Project.

In respect of the above it is initially recognised that some form of active management of fire within the Study Area is likely to be undertaken at present by pastoralists.

To minimise the potential for undesirable changes to the structure and floristic composition of the vegetation of the Study Area a fire management/prevention plan should be developed and implemented. Such a plan should generally aim to:

- eliminate (or actively suppress) uncontrolled fires originating from mining activities; and

- allow fire not triggered by mining activities to occur within those parts of the Study Area that do not require protection due to the absence of infrastructure or lack of risk to human health and safety.

### 7.6 Dust

Several flora species of conservation significance occur in close proximity to proposed infrastructure locations and are likely to be impacted by dust. The impact of dust on vegetation remains uncertain although a study into such impacts is currently being conducted (G. Turner masters study, pers comm.). Species of conservation significance that were identified as occurring in close proximity to proposed infrastructure include:

- *Eragrostis crateriformis* – P3; and
- *Goodenia nuda*– P3.

Dust related impacts are likely to be minor provided that appropriate dust suppression measures are implemented.



## 8 Conclusion

The Level 2 Flora and Vegetation survey undertaken for the Nyidinghu Study provides a comprehensive baseline flora and vegetation assessment of the ecological values of the Nyidinghu Study Area.

There were no Declared Rare Flora species or Threatened Ecological Communities recorded in the Nyidinghu Study Area. Six Priority flora species and one Priority Ecological Community were recorded in the Study Area. In addition, *Melaleuca xerophila* which was also recorded is considered of conservation significance as this species is at the edge of its current known range.

The following potential impacts associated with the implementation of the Nyidinghu Project were identified:

- Vegetation clearance activities
- Alterations to surface hydrology
- Alterations to groundwater hydrology
- Introduced species
- Alterations to natural fire regimes
- Dust.

The principal impact resulting from the implementation of the Nyidinghu Project is vegetation clearing. Patterns of vegetation clearing will not be uniform with the primary areas of vegetation clearing to be located in the south of the Study Area. The impact of vegetation clearing will therefore vary between vegetation communities and is dependent on the location of infrastructure associated with the Nyidinghu Project.

Two Priority Flora species will be directly impacted by the proposed Nyidinghu Project based on the current infrastructure locations. The impact on the Priority 1 species *Calotis squamigera* is considered high as there are very limited records of this species from this area of the Pilbara.

Altered surface and groundwater hydrology may impact native flora species and vegetation communities, particularly those associated with the Weeli Wolli Creek and Fortescue Marsh. Alterations in surface water flow as a result of development may potentially impact Mulga communities that are sheet flow dependent. It should be recognised that all the potentially sheet flow dependent communities occur north of the BHP Mt Newman rail. The existing railway is likely to have already adversely affected surface water flow between the Hamersley Ranges and the Fortescue Marsh therefore development south of the existing railway is unlikely to cause further impact to these communities.

Regional floristic analysis of the Nyidinghu vegetation showed that six of the twenty-two communities are poorly represented in the reference dataset and therefore are potentially considered of regional significance. It is difficult to determine whether these communities are in fact regionally significant or whether they are poorly represented in the reference dataset due to a lack of available data.

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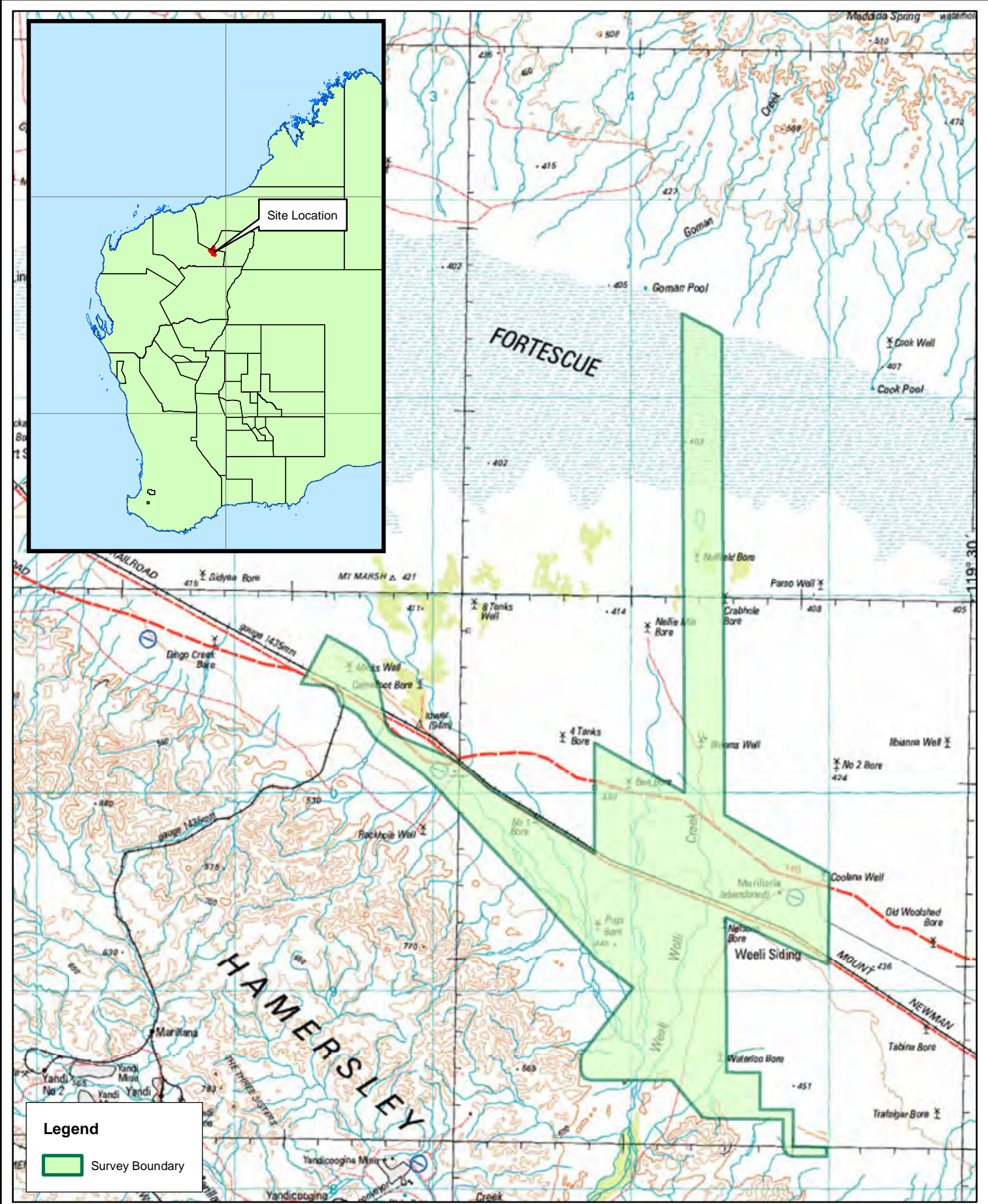


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**Legend**

Survey Boundary


DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHKD	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHKD	APPD





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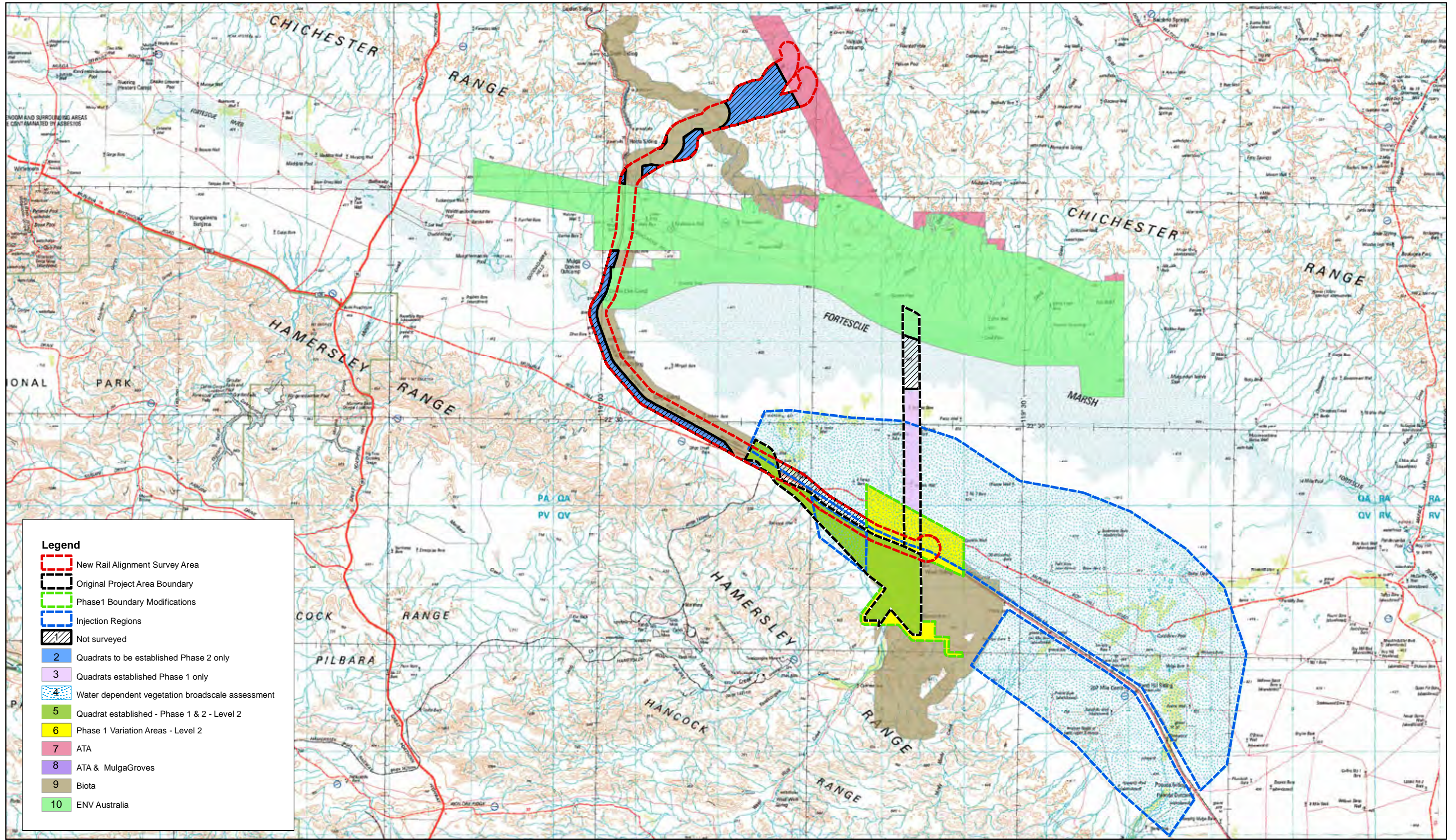


PROJECT	<b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b>	Project Number	<b>V11030</b>	Original	<b>A4</b>
DRAWING TITLE	<b>FIGURE 1 : Locality Plan</b>	Drawing Number	<b>SK22</b>	Revision	
PRINCIPAL	<b>Fortescue Metals Group</b>	Designed FDW	Checked	Approved	
		Drawn MGW	Approved		
		Local Authority	Shire of East Pilbara		
		Sheet 1 of 1		Date	6/12/11

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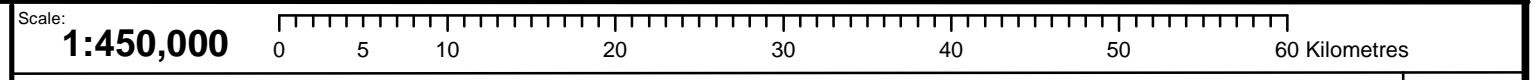


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PROJECT **Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures**

DRAWING TITLE **FIGURE 2 : Project Coverage**

PRINCIPAL **Fortescue Metals Group**



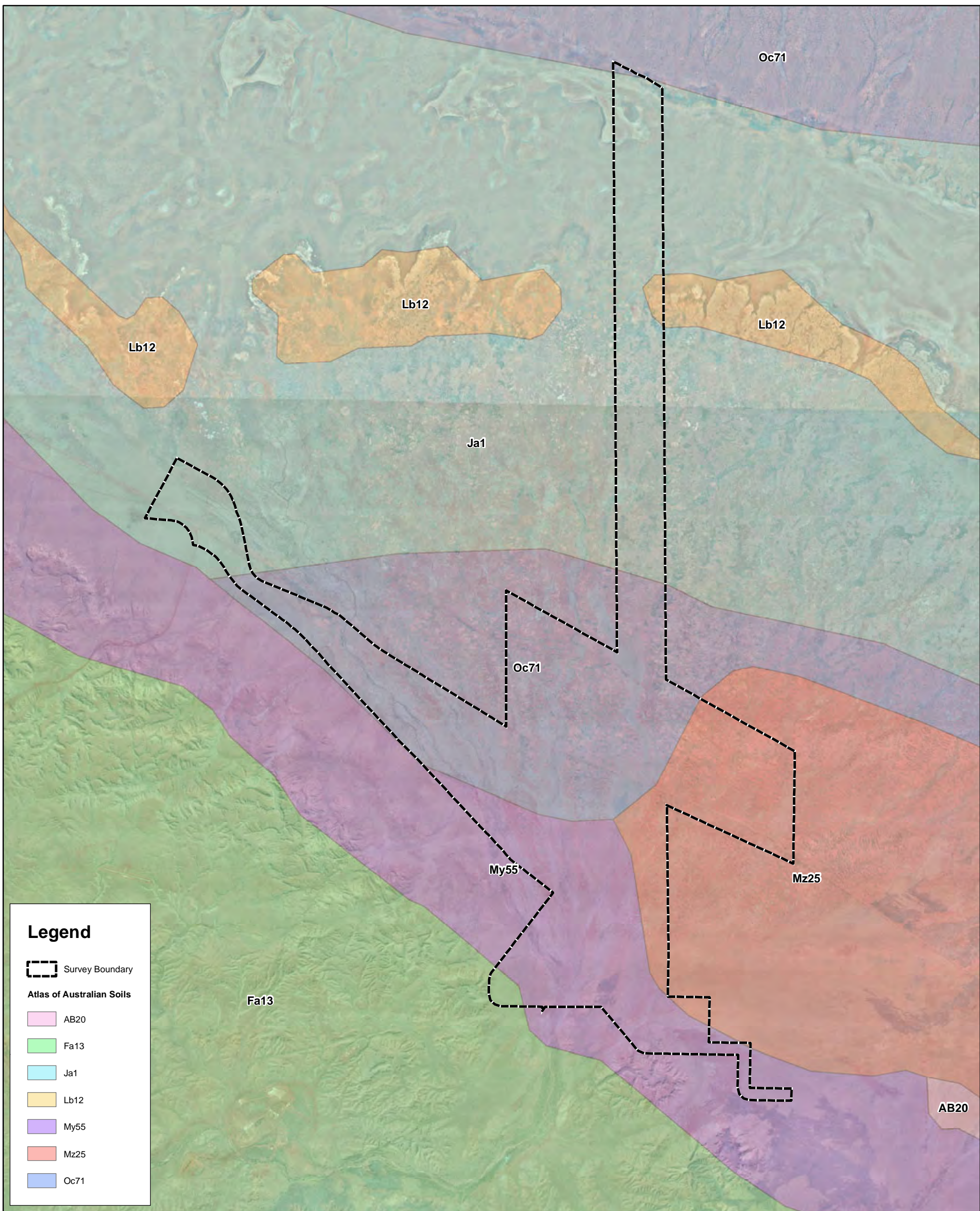
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Project Number <b>V11030</b>	Drawing Number <b>SK23</b>	Revision <b>00</b>	Original <b>A3</b>
Designed FDW	Checked MGW	Approved	Date: 8/12/2011
Local Authority Shire of East Pilbara			Sheet 1 of 1

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**Legend**

Survey Boundary

**Atlas of Australian Soils**

- AB20
- Fa13
- Ja1
- Lb12
- My55
- Mz25
- Oc71

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

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	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b></p> <p>DRAWING TITLE <b>Figure 3 : Soils of the Nuidinghu Project Area</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p><small>This drawing has been prepared in accordance to Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</small></p>			

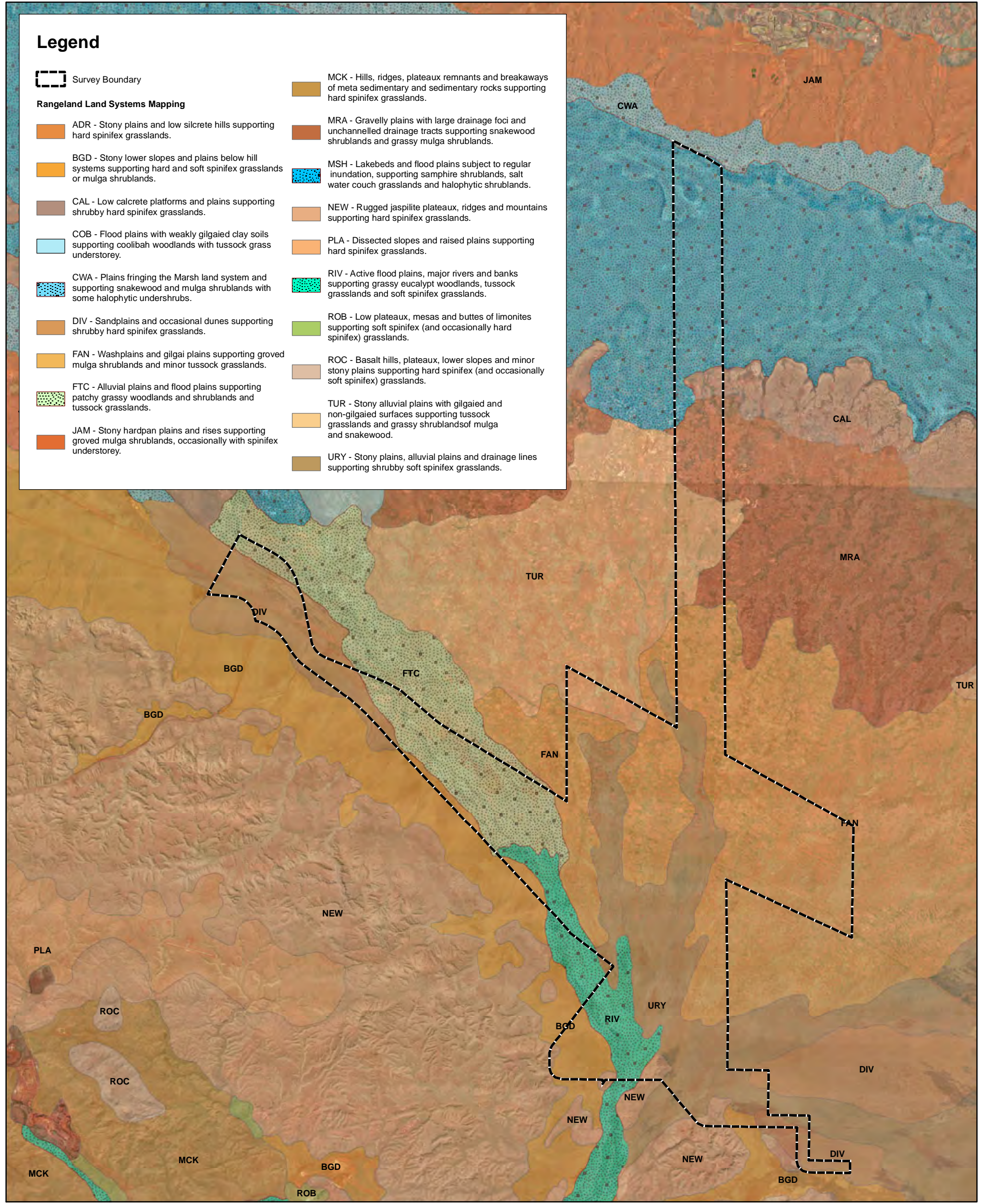


# Legend

Survey Boundary

## Rangeland Land Systems Mapping

- ADR - Stony plains and low silcrete hills supporting hard spinifex grasslands.
- BGD - Stony lower slopes and plains below hill systems supporting hard and soft spinifex grasslands or mulga shrublands.
- CAL - Low calcrete platforms and plains supporting shrubby hard spinifex grasslands.
- COB - Flood plains with weakly gilgaied clay soils supporting coolibah woodlands with tussock grass understorey.
- CWA - Plains fringing the Marsh land system and supporting snakewood and mulga shrublands with some halophytic undershrubs.
- DIV - Sandplains and occasional dunes supporting shrubby hard spinifex grasslands.
- FAN - Washplains and gilgai plains supporting groved mulga shrublands and minor tussock grasslands.
- FTC - Alluvial plains and flood plains supporting patchy grassy woodlands and shrublands and tussock grasslands.
- JAM - Stony hardpan plains and rises supporting groved mulga shrublands, occasionally with spinifex understorey.
- MCK - Hills, ridges, plateaux remnants and breakaways of meta sedimentary and sedimentary rocks supporting hard spinifex grasslands.
- MRA - Gravelly plains with large drainage foci and unchannelled drainage tracts supporting snakewood shrublands and grassy mulga shrublands.
- MSH - Lakebeds and flood plains subject to regular inundation, supporting samphire shrublands, salt water couch grasslands and halophytic shrublands.
- NEW - Rugged jaspilite plateaux, ridges and mountains supporting hard spinifex grasslands.
- PLA - Dissected slopes and raised plains supporting hard spinifex grasslands.
- RIV - Active flood plains, major rivers and banks supporting grassy eucalypt woodlands, tussock grasslands and soft spinifex grasslands.
- ROB - Low plateaux, mesas and buttes of limonites supporting soft spinifex (and occasionally hard spinifex) grasslands.
- ROC - Basalt hills, plateaux, lower slopes and minor stony plains supporting hard spinifex (and occasionally soft spinifex) grasslands.
- TUR - Stony alluvial plains with gilgaied and non-gilgaied surfaces supporting tussock grasslands and grassy shrublands of mulga and snakewood.
- URY - Stony plains, alluvial plains and drainage lines supporting shrubby soft spinifex grasslands.

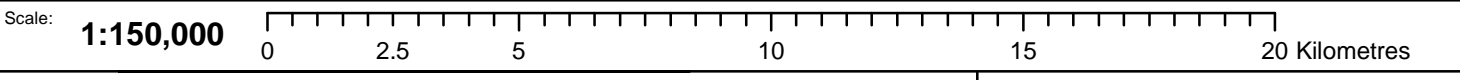


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PROJECT **Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures**

DRAWING TITLE **Figure 4 : Land Systems of the Nuidinghu Project Area**

PRINCIPAL **Fortescue Metals Group**



Project Number **V11030** Original **A3**

Drawing Number **SK25** Revision

Designed FDW Checked

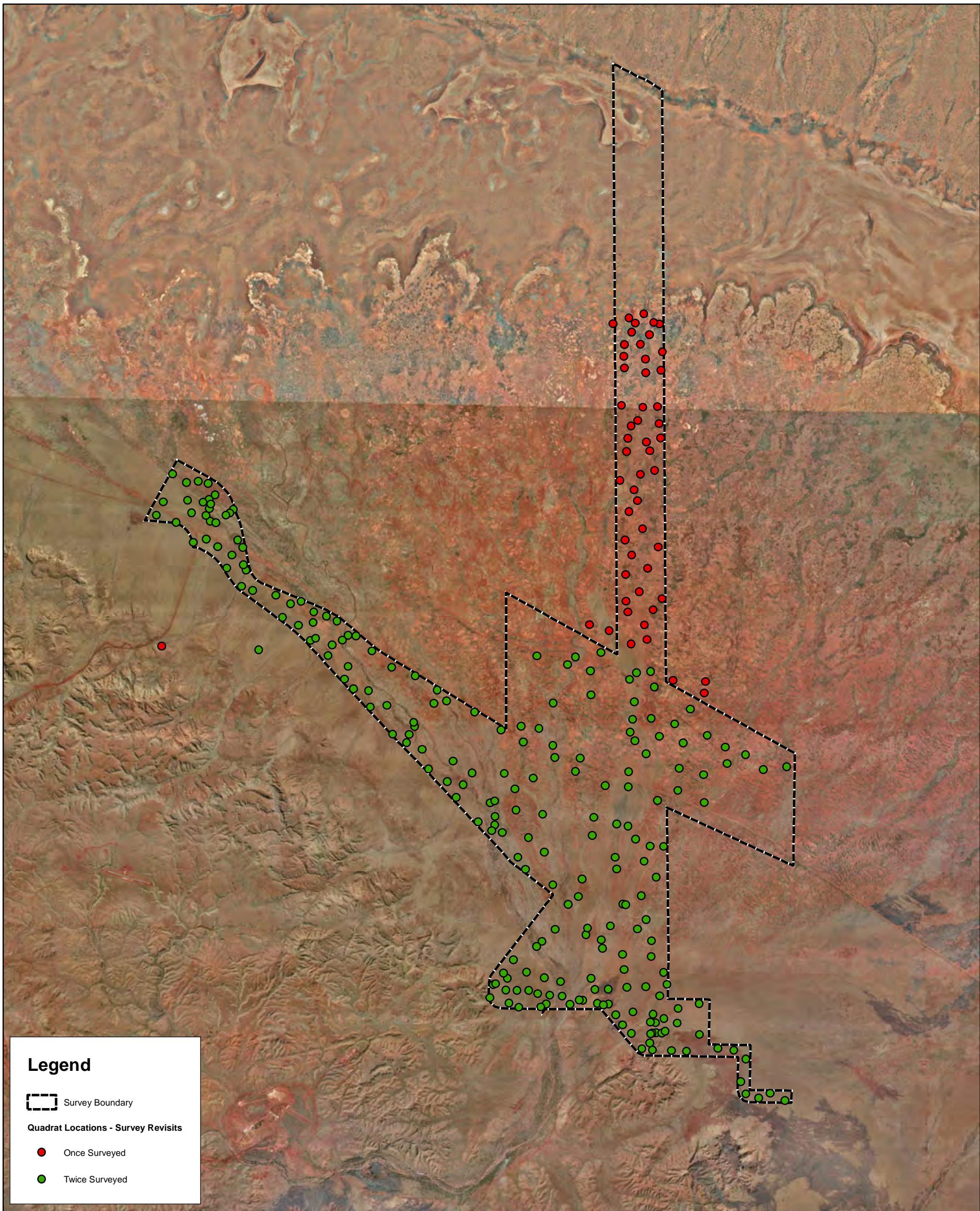
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Sheet 1 of 1 Date 7/12/11

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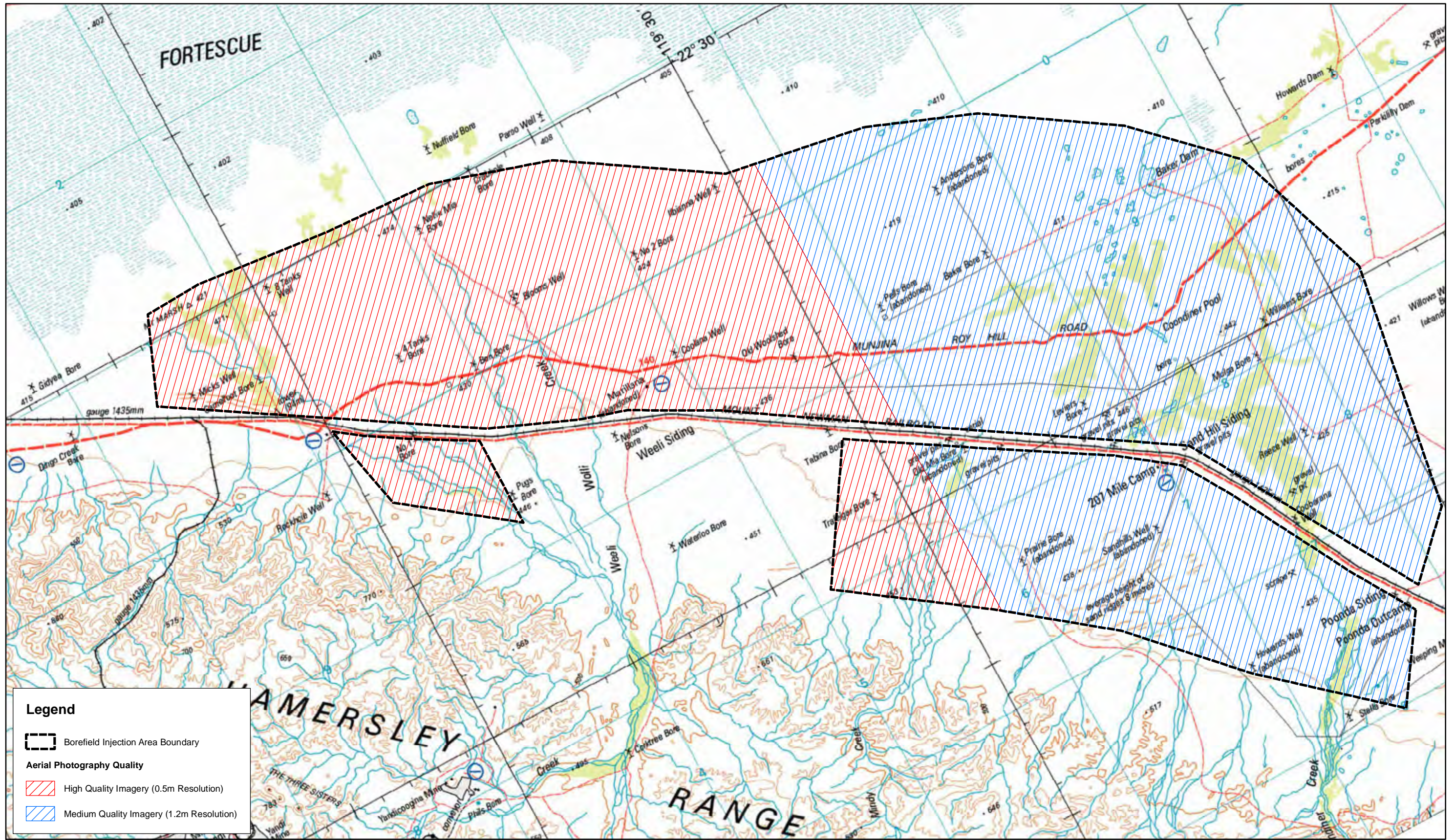
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Survey Boundary  
**Quadrat Locations - Survey Revisits**  
 Once Surveyed  
 Twice Surveyed

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

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	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b></p> <p>DRAWING TITLE <b>Figure 6 : Quadrat Locations</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p><small>This drawing has been prepared in accordance to Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</small></p>		<p>Date 7/12/11</p>	





**Legend**

- Borefield Injection Area Boundary
- Aerial Photography Quality**
- High Quality Imagery (0.5m Resolution)
- Medium Quality Imagery (1.2m Resolution)

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

PROJECT **Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures**

DRAWING TITLE **Aerial Photography Quality for Borefield Injection Area**

PRINCIPAL **Fortescue Metals Group**



Grid: Map Grid of Australia GDA94 Zone 50



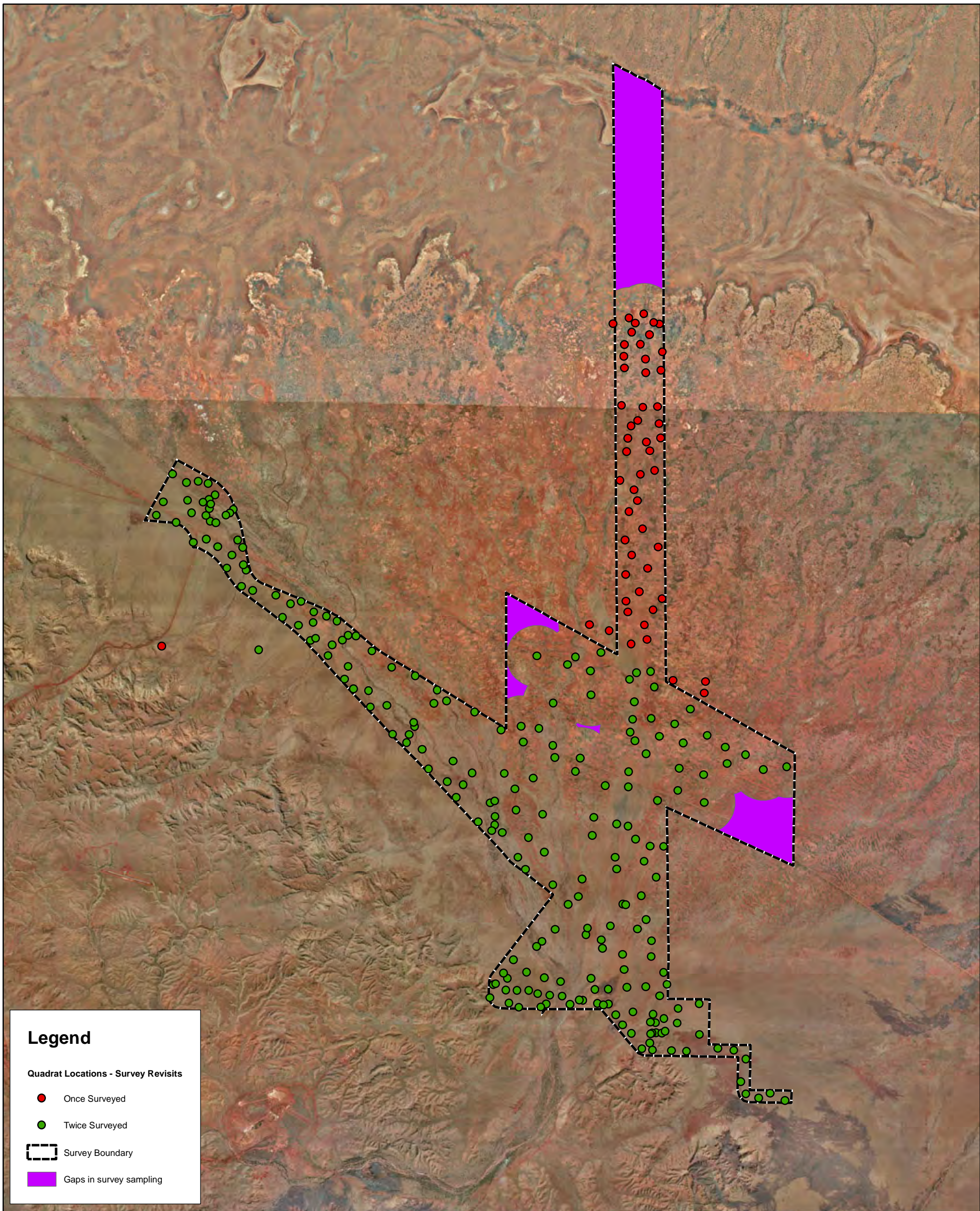
<b>CONSULTING ENGINEERS</b> <b>TOWN PLANNERS</b> <b>PROJECT MANAGERS</b> <b>ENVIRONMENTAL CONSULTANTS</b>	Project Number <b>V11030</b>	Drawing Number <b>SK28</b>	Revision <b>00</b>	Original <b>A3</b>
	Designed FDW Drawn MGW	Checked Approved	Date: 8/12/2011	Sheet 1 of 1

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Local Authority Shire of East Pilbara

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**Legend**

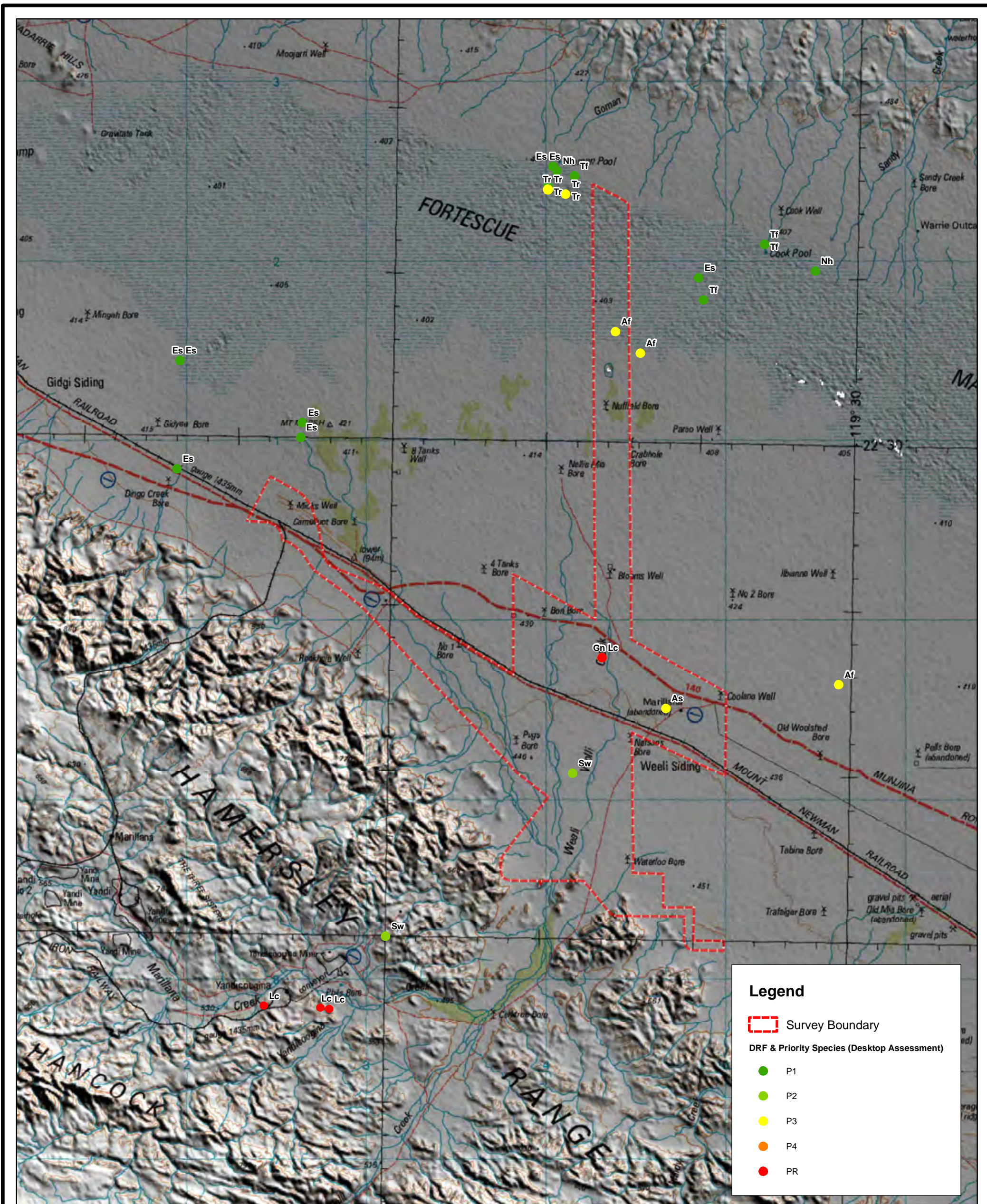
Quadrat Locations - Survey Revisits

- Once Surveyed
- Twice Surveyed
- Survey Boundary
- Gaps in survey sampling

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

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**Legend**

Survey Boundary

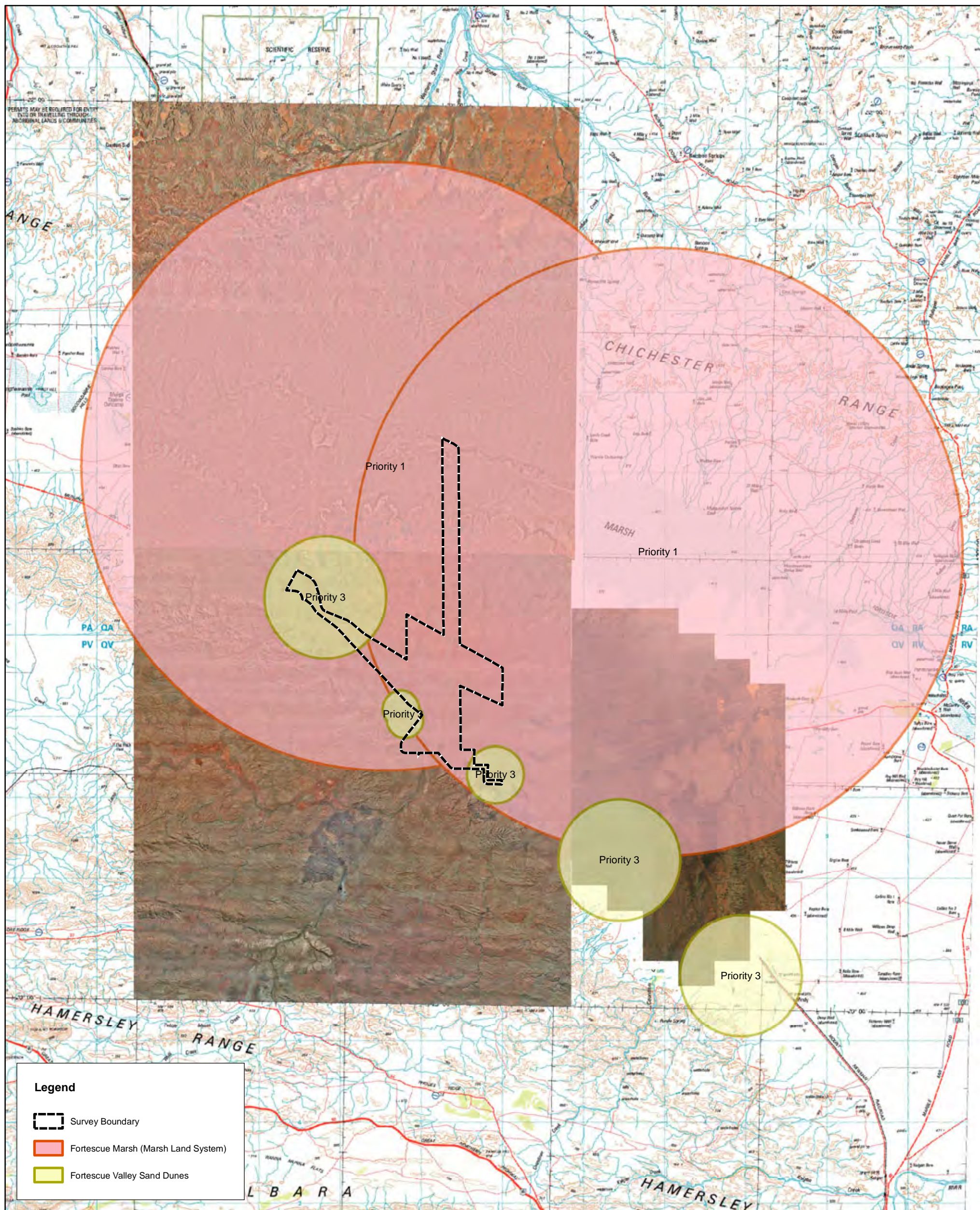
**DRF & Priority Species (Desktop Assessment)**

- P1
- P2
- P3
- P4
- PR

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

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	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b></p> <p>DRAWING TITLE <b>FIGURE 9 : Desktop DRF Locations</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p style="font-size: small;">This drawing has been prepared in accordance with Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</p>	





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Scale: **1:450,000** 0 2.5 5 10 15 20 25 30 35 40 45 50 55 60 Kilometres

PROJECT **Fortescue Flora and Vegetation Survey - Nyidinghu  
Additional Figures**

DRAWING TITLE **Figure 10: Desktop PEC Locations**

PRINCIPAL **Fortescue Metals Group**



Project Number **V11030** Original **A4**

Drawing Number **SK31** Revision

Designed FDW Checked

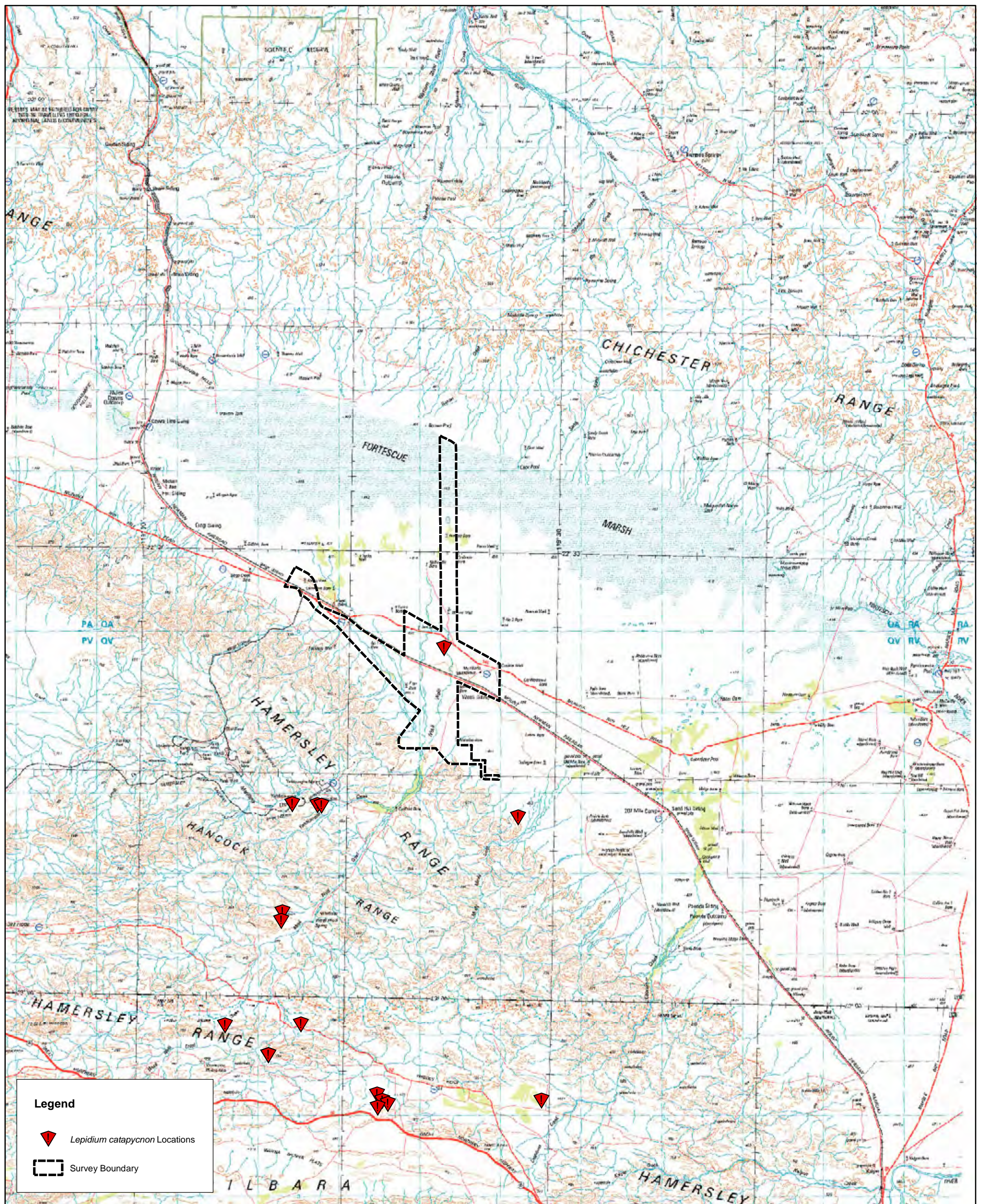
Drawn MGW Approved

Local Authority **Shire of East Pilbara**

Sheet 1 of 1 Date **7/12/11**

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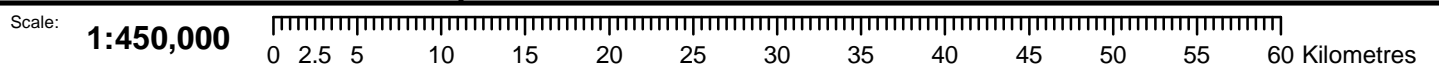


DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD



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PROJECT **Fortescue Flora and Vegetation Survey - Nyidinghu  
Additional Figures**

DRAWING TITLE **Figure 11: Western Australian Herbarium  
recorded of *Lepidium caapycnon***

PRINCIPAL **Fortescue Metals Group**



Project Number **V11030** Original **A4**

Drawing Number **SK32** Revision

Designed FDW Checked

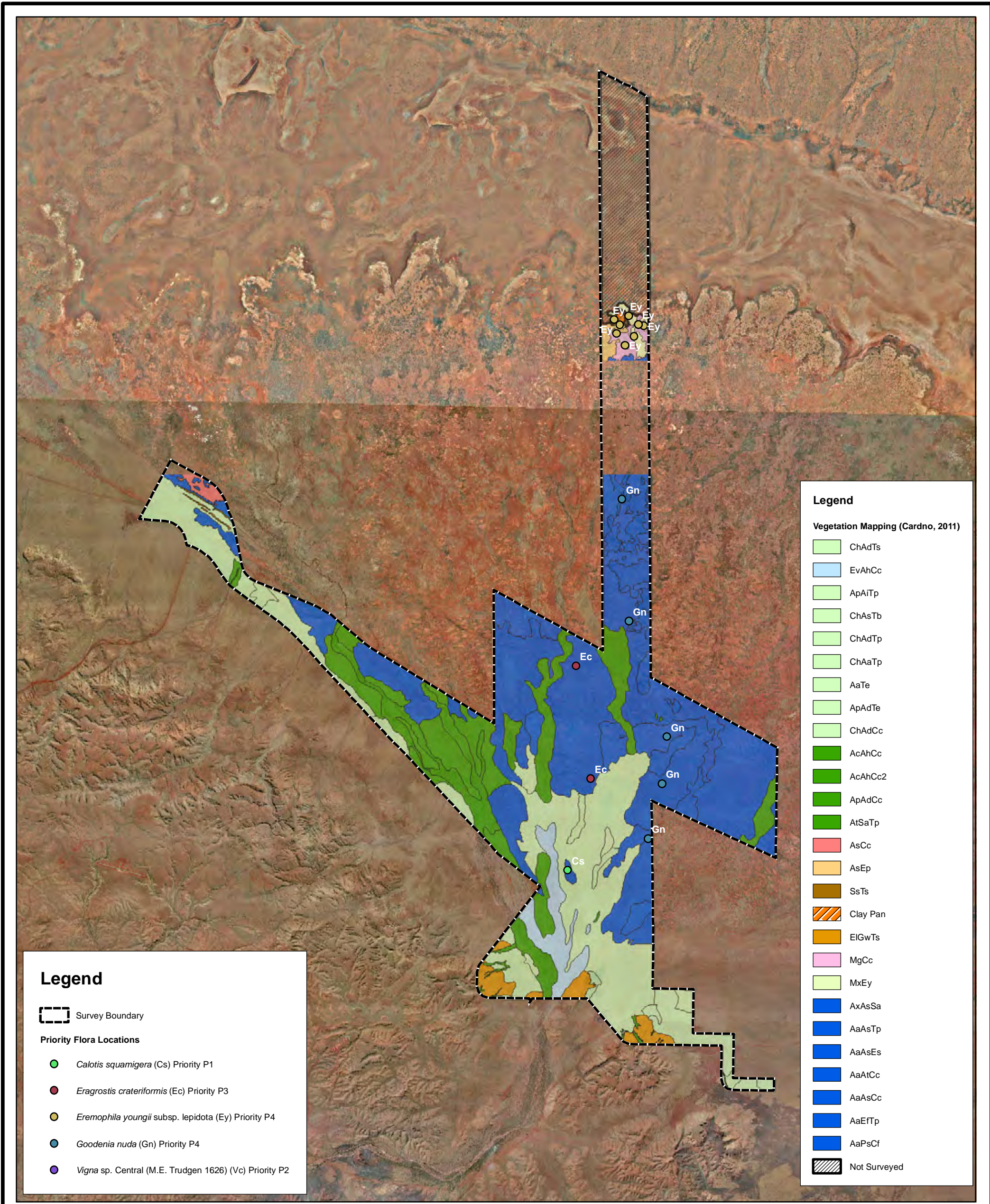
Drawn MGW Approved

Local Authority Shire of East Pilbara

Sheet 1 of 1 Date 7/12/11

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**Legend**

Survey Boundary

**Priority Flora Locations**

- *Calotis squamigera* (Cs) Priority P1
- *Eragrostis crateriformis* (Ec) Priority P3
- *Eremophila youngii* subsp. lepidota (Ey) Priority P4
- *Goodenia nuda* (Gn) Priority P4
- *Vigna* sp. Central (M.E. Trudgen 1626) (Vc) Priority P2

**Legend**

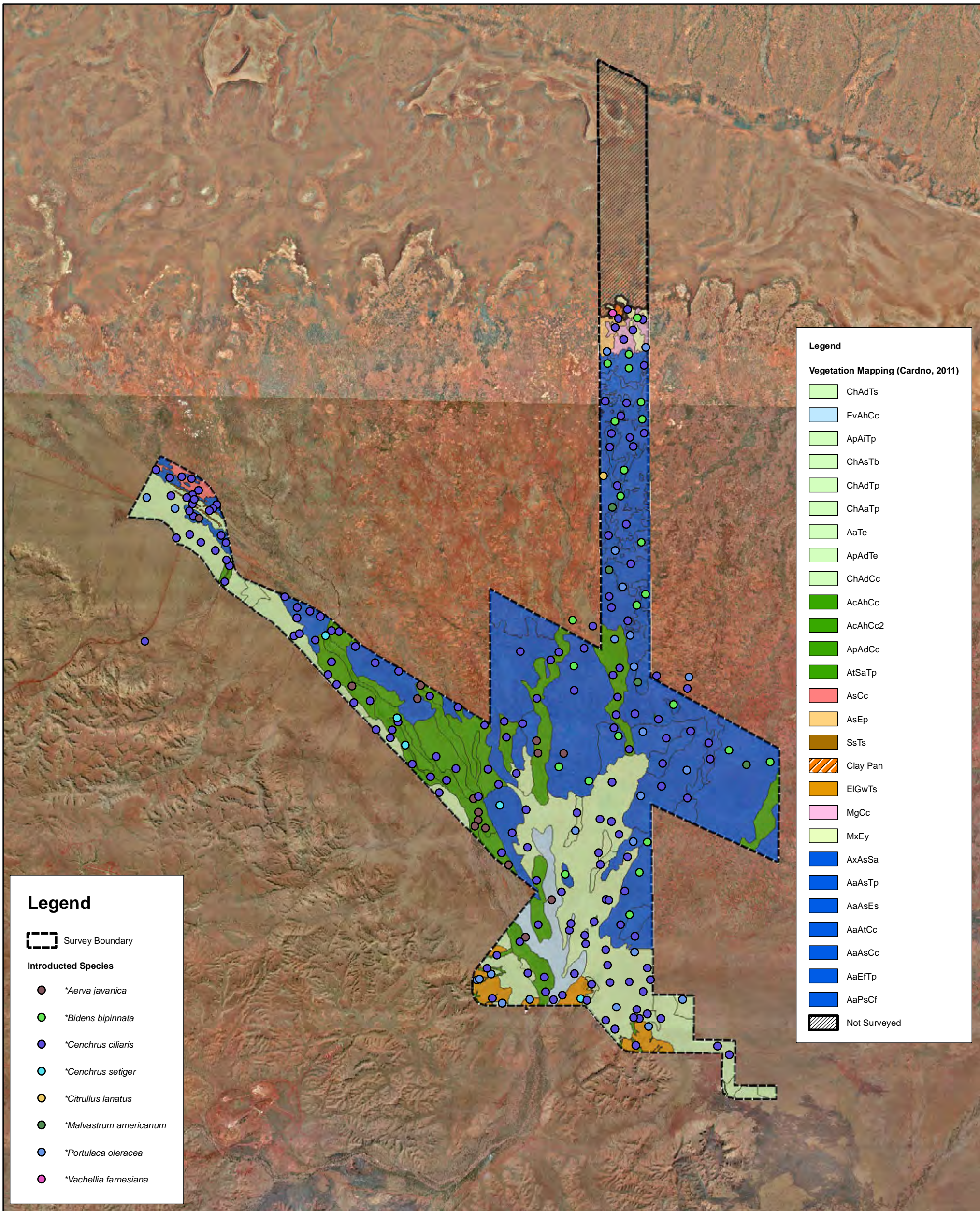
**Vegetation Mapping (Cardno, 2011)**

- ChAdTs
- EvAhCc
- ApAiTp
- ChAsTb
- ChAdTp
- ChAaTp
- AaTe
- ApAdTe
- ChAdCc
- AcAhCc
- AcAhCc2
- ApAdCc
- AtSaTp
- AsCc
- AsEp
- SsTs
- Clay Pan
- ElGwTs
- MgCc
- MxEy
- AxAsSa
- AaAsTp
- AaAsEs
- AaAtCc
- AaAsCc
- AaEITp
- AaPsCf
- Not Surveyed

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

<p><b>Cardno</b></p> <p>CONSULTING ENGINEERS TOWN PLANNERS PROJECT MANAGERS ENVIRONMENTAL CONSULTANTS</p> <p>Cardno (WA) Pty Ltd ABN 77 009 119 000 11 Harvest Terrace West Perth WA 6005 Australia PO Box 447 West Perth WA 6872 Tel:+61 8 9273 3888 Fax:+61 8 9486 8664</p>	<p>Scale: <b>1:150,000</b></p>	<p><b>Fortescue</b> The West Force in our Life</p>	<p>Project Number <b>V11030</b></p> <p>Drawing Number <b>SK07</b></p> <p>Designed FDW Drawn MGW</p> <p>Local Authority Shire of East Pilbara</p> <p>Sheet 1 of 1</p>	<p>Original <b>A4</b></p> <p>Revision</p> <p>Checked Approved</p> <p>Date 15/08/11</p>
	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu</b></p> <p>DRAWING TITLE <b>Figure12: Priority Flora Locations in the Nyidinghu Project Area</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p><small>This drawing has been prepared in accordance to Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</small></p>			





**Legend**

**Vegetation Mapping (Cardno, 2011)**

- ChAdTs
- EvAhCc
- ApAiTp
- ChAsTb
- ChAdTp
- ChAaTp
- AaTe
- ApAdTe
- ChAdCc
- AcAhCc
- AcAhCc2
- ApAdCc
- AtSaTp
- AsCc
- AsEp
- SsTs
- Clay Pan
- ElGwTs
- MgCc
- MxEy
- AxAsSa
- AaAsTp
- AaAsEs
- AaAtCc
- AaAsCc
- AaEftP
- AaPsCf
- Not Surveyed

**Legend**

Survey Boundary

**Introduced Species**

- \*Aerva javanica
- \*Bidens bipinnata
- \*Cenchrus ciliaris
- \*Cenchrus setiger
- \*Citrullus lanatus
- \*Malvastrum americanum
- \*Portulaca oleracea
- \*Vachellia farnesiana

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

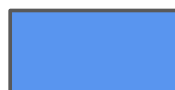
<p><b>CONSULTING ENGINEERS TOWN PLANNERS PROJECT MANAGERS ENVIRONMENTAL CONSULTANTS</b></p> <p>Cardno (WA) Pty Ltd ABN 77 009 119 000 11 Harvest Terrace West Perth WA 6005 Australia PO Box 447 West Perth WA 6872 Tel:+61 8 9273 3888 Fax:+61 8 9486 8664</p>	<p>Scale: <b>1:150,000</b></p>	<p>Project Number <b>V11030</b></p> <p>Drawing Number <b>SK34</b></p> <p>Designed FDW Checked</p> <p>Drawn MGW Approved</p> <p>Local Authority Shire of East Pilbara</p> <p>Sheet 1 of 1</p> <p>Date 7/12/11</p>	<p>Original <b>A4</b></p> <p>Revision</p>
	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b></p> <p>DRAWING TITLE <b>Figure 13: Cardno Introduced Species Locations</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p></p> <p><small>This drawing has been prepared in accordance to Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</small></p>		





## Hummock Grasslands on Sand Plains

ApAiTp	<i>Triodia</i> hummock grassland	<i>Acacia pruinocarpa</i> and <i>Acacia citrinoviridis</i> low open woodland over <i>Acacia inaequilatera</i> , <i>Eremophila longifolia</i> and <i>Acacia ancistrocarpa</i> mid to tall shrubland over <i>Triodia pungens</i> low hummock grassland
CoAdTs	<i>Triodia</i> hummock grassland	<i>Corymbia opaca</i> and <i>Eucalyptus gamophylla</i> low isolated trees over <i>Acacia dictyophleba</i> , <i>Hakea chordophylla</i> and <i>Acacia ancistrocarpa</i> tall sparse shrubland over <i>Triodia schinzii</i> , <i>Triodia basedowii</i> and <i>Triodia pungens</i> low hummock grassland
CoAsTb	<i>Triodia</i> hummock grassland	<i>Corymbia opaca</i> , <i>Eucalyptus gamophylla</i> and <i>Acacia inaequilatera</i> low open woodland over <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia dictyophleba</i> and <i>Acacia inaequilatera</i> tall sparse shrubland over <i>Triodia basedowii</i> low hummock grassland
CoAaTp	<i>Triodia</i> hummock grassland	<i>Corymbia opaca</i> , <i>Acacia inaequilatera</i> and <i>Eucalyptus gamophylla</i> low open woodland over <i>Acacia ancistrocarpa</i> , <i>Petalostylis labicheoides</i> and <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> tall shrubland over <i>Triodia pungens</i> low hummock grassland
CoAdTp	<i>Triodia</i> hummock grassland	<i>Corymbia opaca</i> and <i>Acacia inaequilatera</i> low to mid open woodland over <i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i> , <i>Acacia dictyophleba</i> and <i>Acacia pachyacra</i> tall sparse shrubland over <i>Triodia pungens</i> low hummock grassland



## Mulga on Clay/ Clay Loam Plains

AaAsCc	<i>Acacia</i> woodland	<i>Acacia aneura</i> and <i>Acacia pruinocarpa</i> low woodland over <i>Acacia synchronicia</i> tall shrubland over * <i>Cenchrus ciliaris</i> and * <i>Cenchrus setiger</i> low tussock grassland
AaAsEs	<i>Acacia</i> open woodland	<i>Acacia aneura</i> low to mid open woodland over <i>Acacia synchronicia</i> tall shrubland to open shrubland over <i>Eragrostis setifolia</i> low sparse grassland
AaAsTp	<i>Acacia</i> woodland	<i>Acacia aneura</i> , <i>Acacia aptaneura</i> and <i>Acacia pruinocarpa</i> low woodland to open woodland over <i>Acacia synchronicia</i> and <i>Psydrax latifolia</i> tall open shrubland over <i>Triodia pungens</i> low hummock grassland
AaAtCc	<i>Acacia</i> open woodland	<i>Acacia aneura</i> and occasional <i>Eucalyptus victrix</i> low to mid open woodland over <i>Acacia tetragonophylla</i> , * <i>Vachellia farnesiana</i> and <i>Acacia synchronicia</i> mid to tall open shrubland over * <i>Cenchrus ciliaris</i> mid tussock grassland
AaEfTp	<i>Acacia</i> woodland	<i>Acacia aneura</i> , <i>Acacia pruinocarpa</i> and <i>Acacia aptaneura</i> low woodland over <i>Eremophila forrestii</i> , <i>Acacia ancistrocarpa</i> and <i>Acacia tetragonophylla</i> tall open shrubland over <i>Triodia pungens</i> low hummock grassland
AaPsCf	<i>Acacia</i> woodland	<i>Acacia aneura</i> woodland over <i>Psydrax latifolia</i> , <i>Acacia tetragonophylla</i> and <i>Acacia synchronicia</i> open shrubland over <i>Chrysopogon fallax</i> and * <i>Cenchrus ciliaris</i> low to mid open open tussock grassland



## Fortescue Valley Sand Dunes

SsTs	<i>Triodia</i> hummock grassland	<i>Stylobasium spathulatum</i> and <i>Acacia dictyophleba</i> sparse shrubland over <i>Triodia schinzii</i> and <i>Triodia basedowii</i> open hummock grassland
------	----------------------------------	---



## Minor Creeklines and Floodplains

AcAhCc

*Acacia* open woodland

*Acacia citrinoviridis* and *Acacia pruinoarpa* low open woodland over *Atalaya hemiglauca* and *Hakea lorea* subsp. *lorea* tall isolated shrubland over \**Cenchrus ciliaris* mid tussock grassland

ApAdCc

*Acacia* open woodland

*Acacia pruinoarpa*, *Corymbia hamersleyana* and *Acacia citrinoviridis* low to mid open woodland over *Acacia dictyophleba*, *Hakea lorea* subsp. *lorea* and *Acacia synchronicia* tall sparse shrubland over \**Cenchrus ciliaris* and \**Cenchrus setiger* mid tussock grassland

AtSaTp

*Acacia* open mallee woodland

*Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* subsp. *hispidula* and *Gossypium robinsonii* low open mallee shrubland over *Senna artemisioides* subsp. *oligophylla* and *Acacia adoxa* var. *adoxo* sparse heath shrubland over *Triodia pungens* low hummock grassland



## Major Creeklines

EvAhCc

*Eucalyptus* open woodland

*Eucalyptus victrix*, *Acacia citrinoviridis* and *Acacia pruinoarpa* mid open woodland over *Atalaya hemiglauca* and *Hakea lorea* subsp. *lorea* tall isolated shrubland over \**Cenchrus ciliaris* and \**Cenchrus setiger* mid tussock grassland



## Hummock Grasslands on Rocky Hills

EIGwTs

*Triodia* hummock grassland

*Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Grevillea wickhamii* subsp. *hispidula* and *Acacia bivenosa* tall sparse shrubland over *Triodia* sp. Shovelanna Hill (S. van Leeuwen 3835) and *Triodia epactia* low hummock grassland

## Cracking Clay



Chenopod open shrubland

AsCc

*Acacia synchronicia* mid sparse shrubland over *Atriplex amnicola*, *Maireana pyramidata* and shrubland *Rhagodia eremaea* mid Chenopod open shrubland



*Acacia* open shrubland

AsEp

*Acacia sclerosperma* subsp. *sclerosperma*, *Acacia xiphophylla* and *Acacia synchronicia* tall open shrubland over *Enneapogon polyphyllus* low open grassland



*Melaleuca* shrubland

MxEy

*Melaleuca xerophila*, *Acacia synchronicia* and *Eremophila youngii* subsp. *lepidota* mid to tall shrubland over *Atriplex amnicola* mid to tall Chenopod shrubland



*Melaleuca* open shrubland

MgCc

*Melaleuca glomerata*, *Acacia tetragonophylla* and *Eremophila youngii* subsp. *lepidota* tall shrubland over \**Cenchrus ciliaris* mid tussock grassland

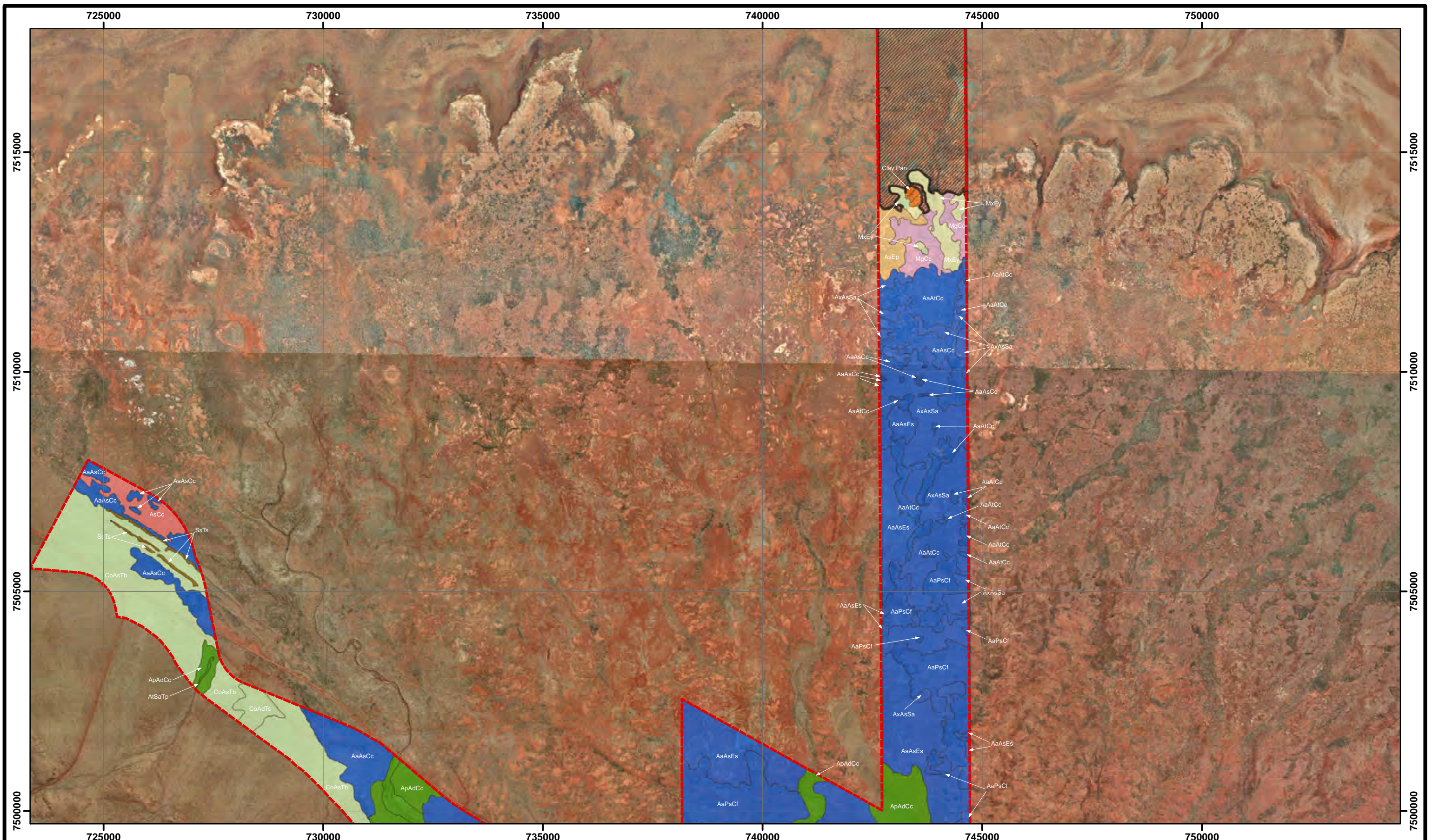


Chenopod sparse shrubland

AxAsSa

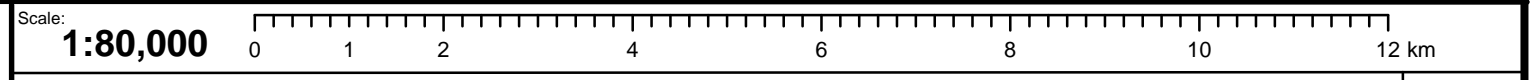
*Acacia xiphophylla* and *Acacia aneura* low isolated trees over *Acacia synchronicia* and *Acacia tetragonophylla* mid to tall sparse shrubland over *Salsola australis* *Maireana pyramidata* and *Sclerolaena cuneata* low sparse chenopod shrubland





DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	

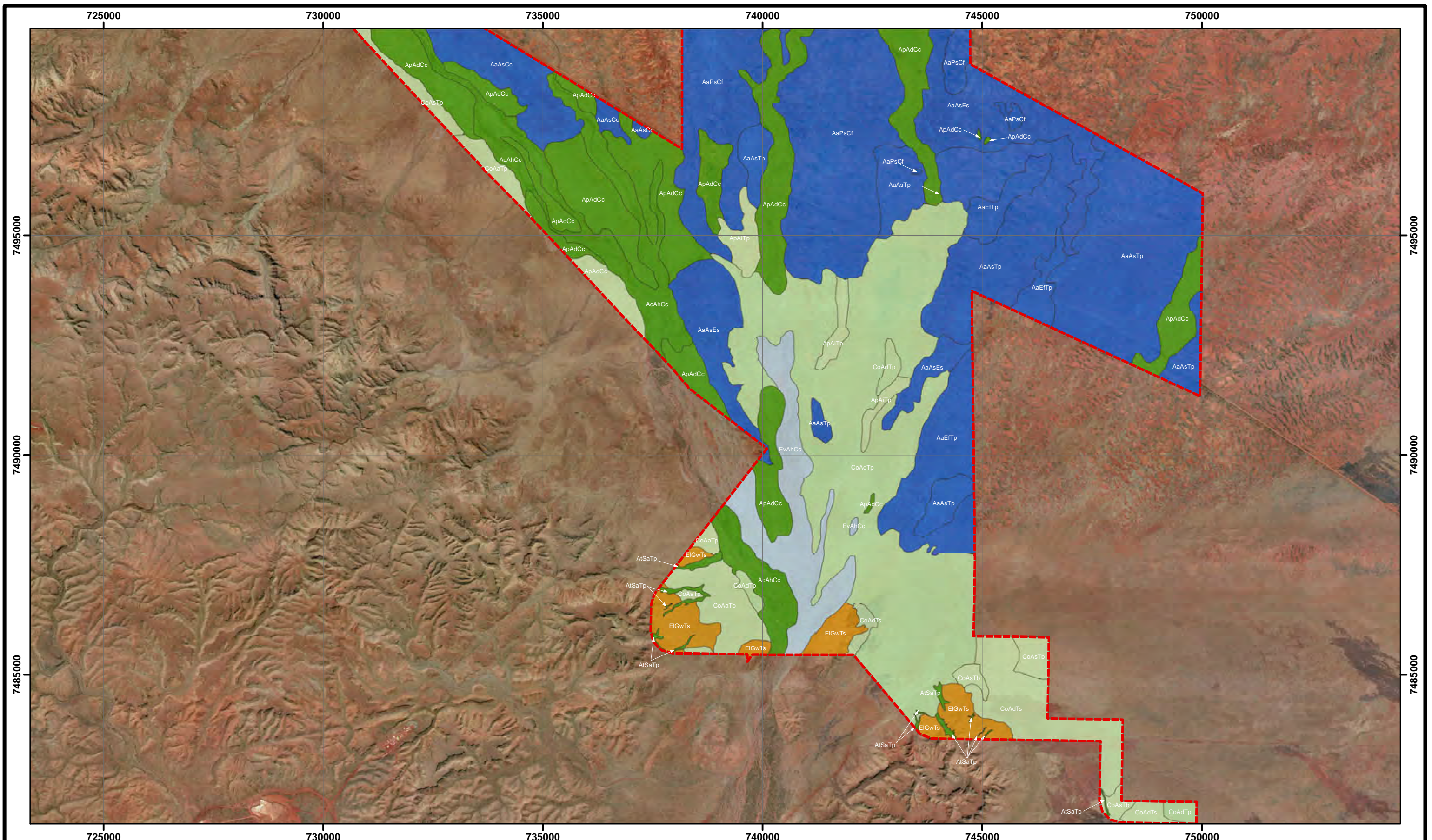
PROJECT Fortescue Flora and Vegetation Survey  
 DRAWING TITLE FIGURE 14 : Vegetation Mapping - Sheet 1  
 PRINCIPAL Fortescue Metals Group



<p><b>CONSULTING ENGINEERS</b>  <b>TOWN PLANNERS</b>  <b>PROJECT MANAGERS</b>  <b>ENVIRONMENTAL CONSULTANTS</b></p>	Cardno (WA) Pty Ltd ABN 77 009 119 000 11 Harvest Terrace West Perth WA 6005 Australia PO Box 447 West Perth WA 6872 Tel:+61 8 9273 3888 Fax:+61 8 9486 8664	Project Number <b>V11030</b>	Drawing Number <b>SK51</b>	Revision <b>00</b>	Original <b>A3</b>
	Designed Drawn Local Authority	FDW MGW Shire of East Pilbara	Checked Approved	Date: 6/02/2012 Sheet 1 of 1	

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PROJECT Fortescue Flora and Vegetation Survey

DRAWING TITLE FIGURE 14 : Vegetation Mapping - Sheet 2

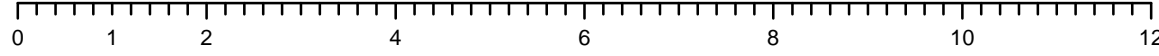

PRINCIPAL Fortescue Metals Group




Grid: Map Grid of Australia GDA94 Zone 50

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Scale: 1:80,000

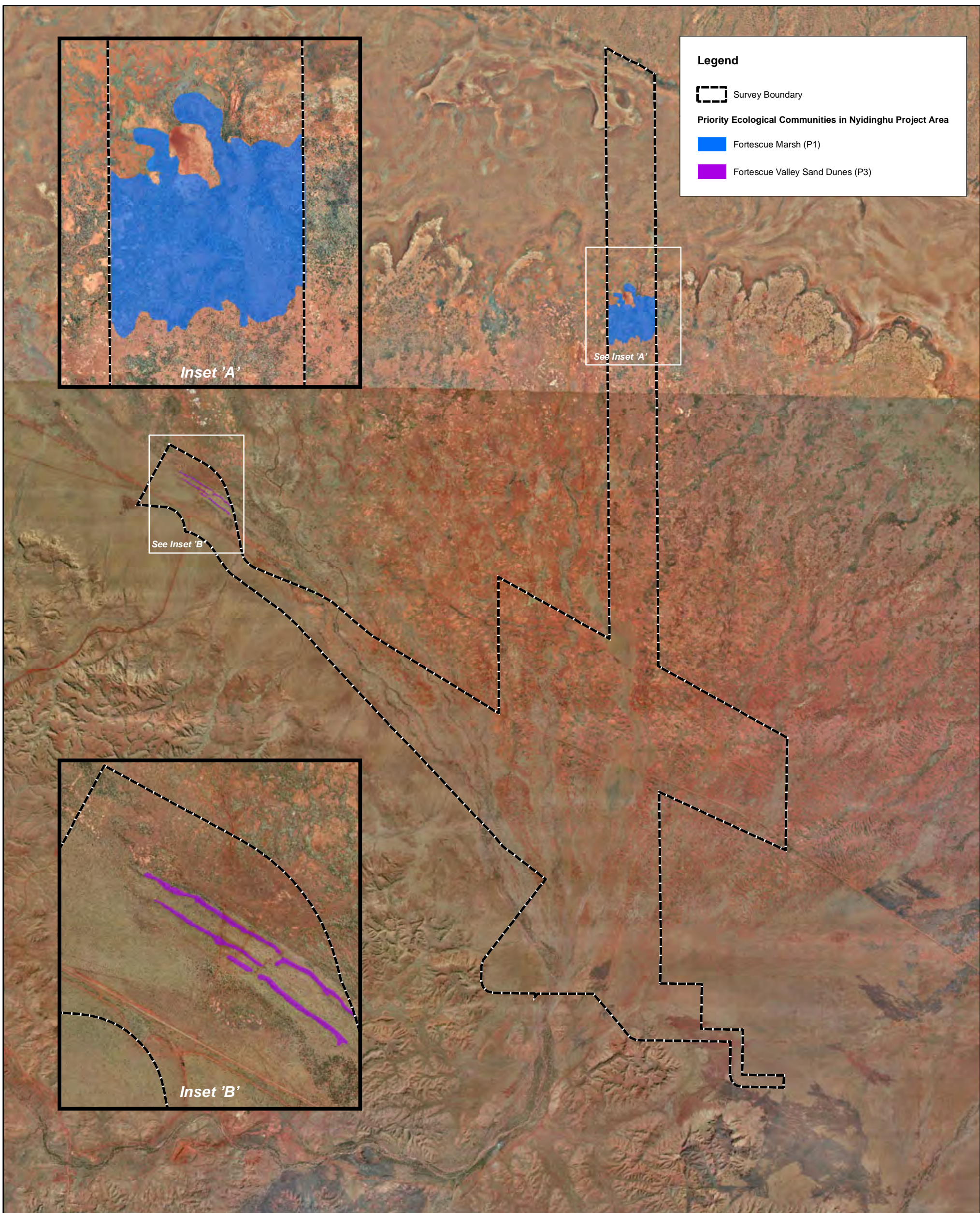



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Project Number <b>V11030</b>	Drawing Number <b>SK51</b>	Revision <b>00</b>	Original <b>A3</b>
Designed FDW	Checked MGW	Approved	Date: 6/02/2012
Local Authority Shire of East Pilbara			Sheet 1 of 2



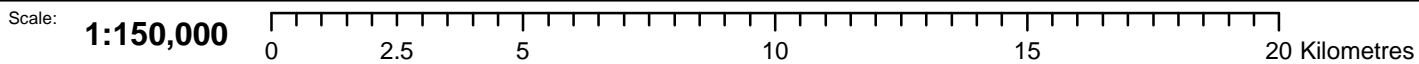


DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD
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PROJECT **Fortescue Flora and Vegetation Survey - Nyidinghu  
Additional Figures**

DRAWING TITLE **Figure 15: Priority Ecological Communities  
in Nyidinghu Project Area**

PRINCIPAL **Fortescue Metals Group**



Project Number **V11030** Original **A4**

Drawing Number **SK36** Revision

Designed FDW Checked

Drawn MGW Approved

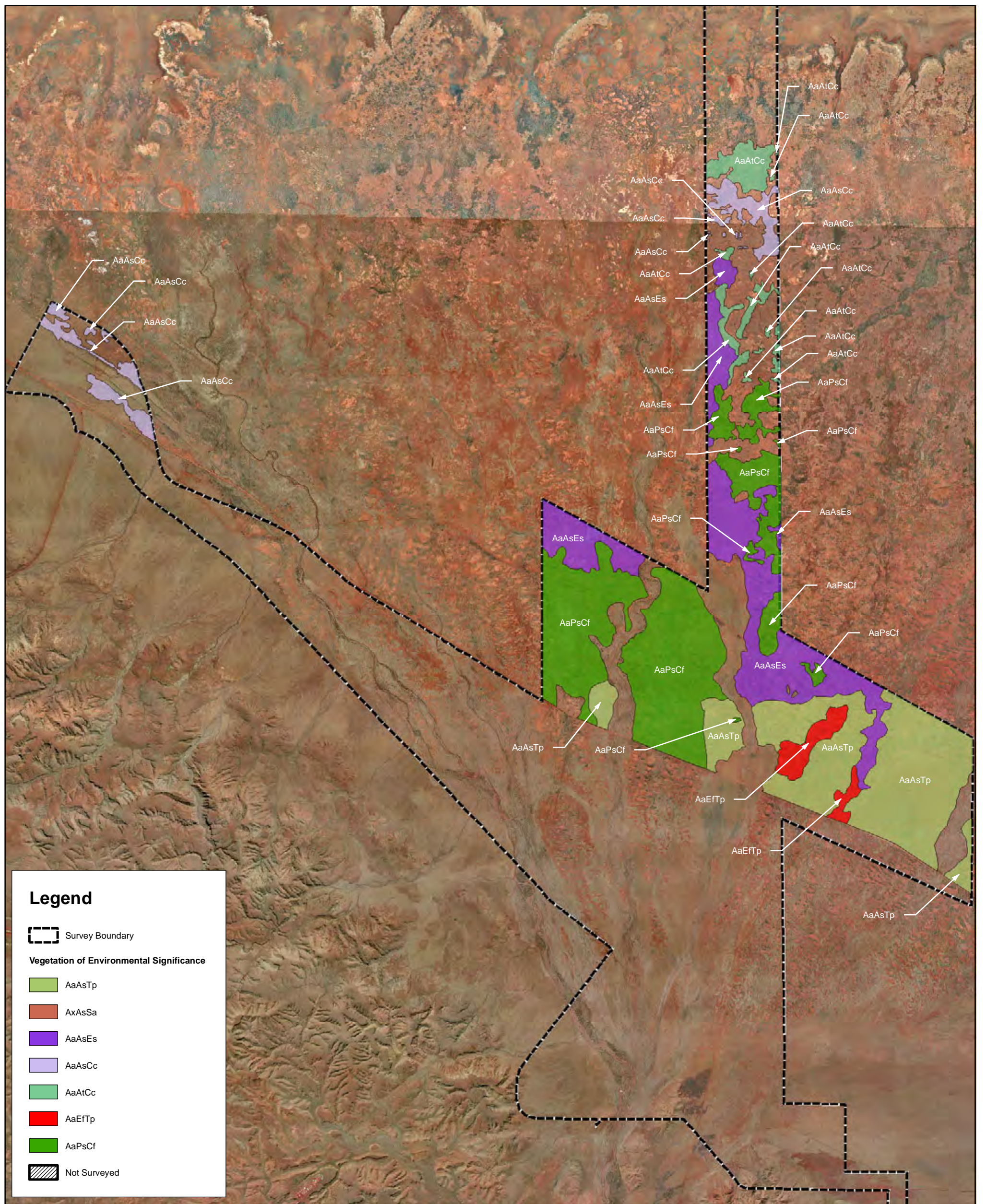
Local Authority Shire of East Pilbara

Sheet 1 of 1

Date 7/12/11

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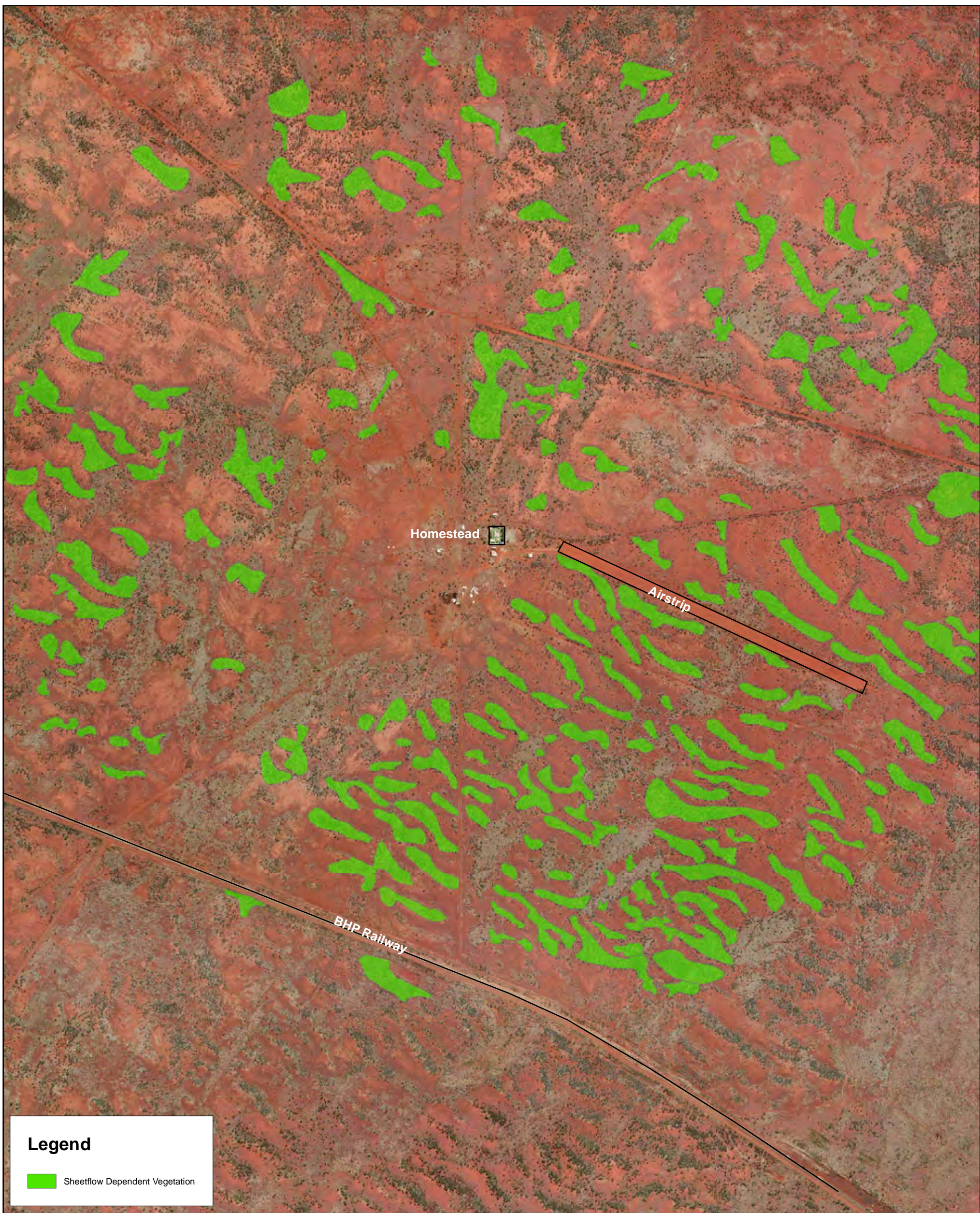
**Legend**

- Survey Boundary
- Vegetation of Environmental Significance**
- AaAsTp
- AxAsSa
- AaAsEs
- AaAsCc
- AaAtCc
- AaEFTp
- AaPsCf
- Not Surveyed

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

<p><b>CONSULTING ENGINEERS TOWN PLANNERS PROJECT MANAGERS ENVIRONMENTAL CONSULTANTS</b></p> <p>Cardno (WA) Pty Ltd   ABN 77 009 119 000 11 Harvest Terrace West Perth WA 6005 Australia PO Box 447 West Perth WA 6872 Tel: +61 8 9273 3888 Fax: +61 8 9486 8664</p>	<p>Scale: <b>1:100,000</b></p>	<p>Project Number <b>V11030</b></p> <p>Drawing Number <b>SK37</b></p> <p>Designed FDW Drawn MGW</p> <p>Local Authority Shire of East Pilbara</p> <p>Sheet 1 of 1</p>	<p>Original <b>A4</b></p> <p>Revision</p> <p>Checked Approved</p> <p>Date 7/12/11</p>
	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b></p> <p>DRAWING TITLE <b>Figure 16: Vegetation of Environmental Significance in Nyidinghu Project Area</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p></p> <p><small>This drawing has been prepared in accordance to Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</small></p>	<p>Project Number <b>V11030</b></p> <p>Drawing Number <b>SK37</b></p> <p>Designed FDW Drawn MGW</p> <p>Local Authority Shire of East Pilbara</p> <p>Sheet 1 of 1</p>	<p>Original <b>A4</b></p> <p>Revision</p> <p>Checked Approved</p> <p>Date 7/12/11</p>


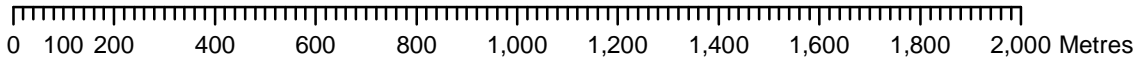






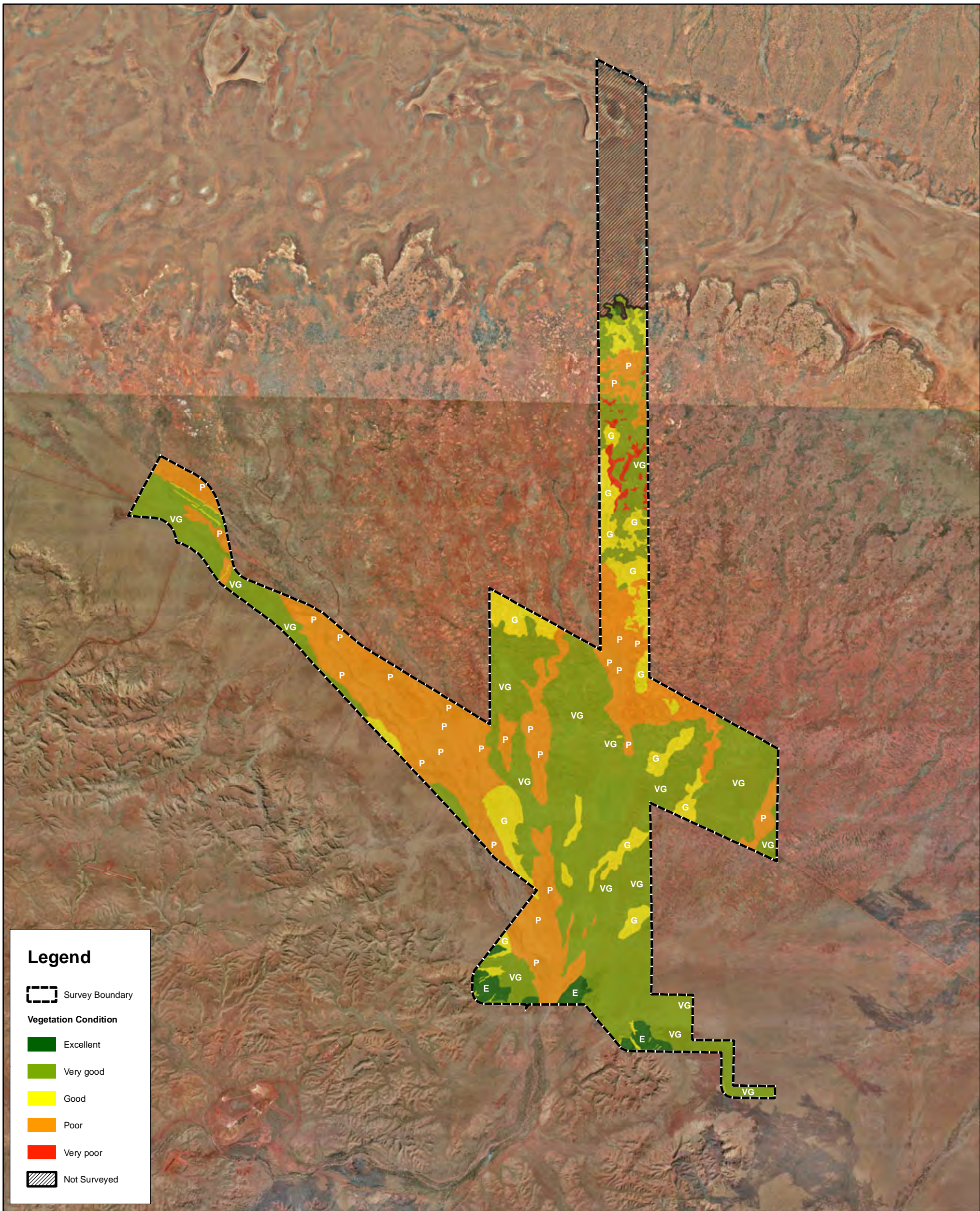
**Legend**

Sheetflow Dependent Vegetation

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

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	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b></p> <p>DRAWING TITLE <b>Figure 17: Sheetflow Dependent Vegetation</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p><small>This drawing has been prepared in accordance to Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</small></p>		<p>Date 7/12/11</p>	





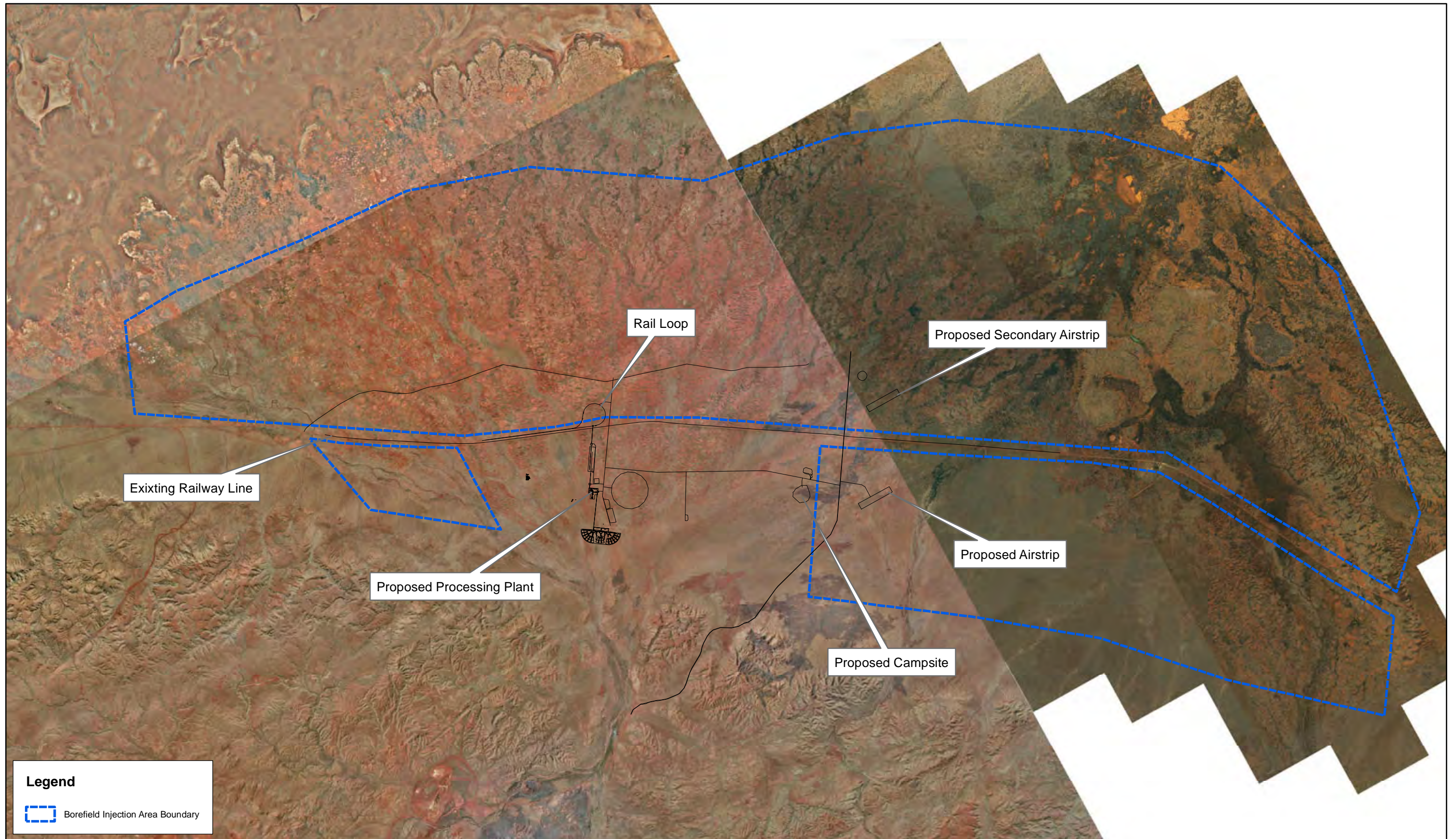
**Legend**

- Survey Boundary
- Vegetation Condition**
- Excellent
- Very good
- Good
- Poor
- Very poor
- Not Surveyed

DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

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	<p>PROJECT <b>Fortescue Flora and Vegetation Survey - Nyidinghu Additional Figures</b></p> <p>DRAWING TITLE <b>Figure 18: Vegetation Condition Mapping</b></p> <p>PRINCIPAL <b>Fortescue Metals Group</b></p> <p><small>This drawing has been prepared in accordance to Cardno Quality Management System. It remains the property of Cardno WA Pty. Ltd. and shall not be used without permission. The drawing shall be preliminary only and/or not for construction until signed approved.</small></p>		





DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD	DATE	No.	ACTIVITY - REVISION DESCRIPTION	DES	DRN	CHK'D	APPD

PROJECT **Fortescue Flora and Vegetation Survey - Nyidinghu  
Additional Figures**

DRAWING TITLE **Borefield Injection Mapping**

PRINCIPAL **Fortescue Metals Group**



Grid: Map Grid of Australia GDA94  
Zone 50

Scale: **1:200,000**



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Project Number <b>V11030</b>	Drawing Number <b>SK40</b>	Revision <b>00</b>	Original <b>A3</b>
Designed FDW	Checked MGW	Approved	Date: 8/12/2011
Local Authority Shire of East Pilbara			Sheet 1 of 1

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Appendix A

Desktop Assessment Results

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## Appendix A – Desktop Assessment Results

Fortescue Metals Group

A total of 45 DRF and Priority Flora were identified in the Desktop Assessment. Of these, Five (5) were previously recorded in the Project Area, these are detailed in the report. Seven (7) Priority species were considered to have potential to occur within the Project Area. These are also detailed in the report.

The remaining 33 species are tabulated below and further described and photograph provided where available.

Species	Cons Code	Potential Presence	Comments
<i>Acacia aphanoclada</i>	P1	Unlikely	Out of range. Previously recorded near Nullagine.
<i>Acacia bromilowiana</i>	P4	Unlikely	Habitat not identified within the Project Area.
<i>Acacia cyperophylla</i> var. <i>omearana</i>	P1	Unlikely	Out of range. Previously recorded near Nullagine.
<i>Acacia fecunda</i>	P3	Unlikely	Out of range and commonly associated with Calcrete.
<i>Acacia</i> sp. Nullagine (B.R. Maslin 4955)	P1	Unlikely	Habitat not identified within the Project Area.
<i>Adiantum capillus-veneris</i>	P2	Unlikely	Associated with gorges and very damp areas.
<i>Atriplex spinulosa</i>	P1	Unlikely	State Herbarium records identify associated species and habitats not present within the Project Area.
<i>Brunonia</i> sp. Long hairs (D.E. Symon 2440)	P1	Unlikely	Habitat not identified in Project Area. Range of species does include the Project Area.
<i>Dampiera metallorum</i>	P3	Unlikely	Habitat not identified within the Project Area.
<i>Eremophila magnifica</i> subsp. <i>velutina</i>	P3	Unlikely	Habitat not identified within the Project Area.
<i>Eremophila spongiorcarpa</i>	P1	Unlikely	Known only from saline soils on the Fortescue Marsh.
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	P4	Unlikely	Identified in the northern corridor of the Project Area towards the Fortescue Marsh in association with Mulga woodlands.
<i>Fimbristylis sieberiana</i>	P3	Unlikely	Habitat not identified in the Project Area.
<i>Glycine falcata</i>	P3	Unlikely	Habitat: Cracking clay, basalt, crabhole plain, sumps, black clayey sands. WA Herb record at
<i>Goodenia lyrata</i>	P1	Unlikely	Habitat not identified within the Project Area.
<i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727)	P1	Unlikely	Habitat not identified within the Project Area.
<i>Indigofera gilesii</i> subsp. <i>gilesii</i>	P3	Unlikely	Habitat not identified within the Project Area. Range of species does include Project Area location.
<i>Indigofera ixocarpa</i>	P2	Unlikely	Habitat not identified within the Project Area.
<i>Iotasperma sessilifolium</i>	P3	Unlikely	This species has been previously recorded on cracking clay communities. This

## Appendix A – Desktop Assessment Results

Fortescue Metals Group

Species	Cons Code	Potential Presence	Comments
			community was not identified within Project Area.
<i>Lepidium catapycnon</i>	R	Unlikely	Preferred habitat not present in Project Area. Individual plants have been recorded outside it's preferred habitat however these incidences are random and do not contribute to the population growth and survival of this species.
<i>Myriocephalus scalpellus</i>	P1	Unknown	This State Herbarium has only one record of this species so information and characteristics of the habit and ecology of this species is limited.
<i>Nicotiana heterantha</i>	P1	Unlikely	Potential habitat would be in the northern corridor in close proximity to the Fortescue Marsh.
<i>Nicotiana umbratica</i>	P3	Unlikely	Habitat not identified in Project Area. Range of species does include Project Area location.
<i>Peplidium</i> sp. Fortescue marsh (S. van Leeuwen 4865)	P1	Unlikely	Limited information available. One record at the State Herbarium was collected on saline flats near the Fortescue Marsh.
<i>Rhynchosia bungarensis</i>	P4	Unlikely	Habitat not identified within the Project Area.
<i>Sida</i> sp. Barlee Range (S. van Leeuwen 1642)	P3	Unlikely	Habitat not identified within the Project Area.
<i>Tecticornia medusa</i> , (recently updated from <i>Tecticorniasp.</i> Roy Hill (H. Pringle 62))	P3	Unlikely	Associated with Fortescue Marsh.
<i>Tecticornia</i> sp. Christmas Creek (K.A. Shepherd & T. Colmer et al. KS 1063)	P1	Unlikely	Associated with Fortescue Marsh.
<i>Tecticornia</i> sp. Fortescue Marsh (K.A. Shepherd et al. KS 1055)	P1	Unlikely	Associated with Fortescue Marsh.
<i>Tephrosia bidwillii</i>	P3	Unlikely	Habitat not located within the Project Area. Previously recorded in north Pilbara near the coast.
<i>Tribulus minutus</i>	P1	Unlikely	The State Herbarium has received only one record of this species which was collected approximately 50 kilometres north of the Fortescue Marsh.
<i>Triodia triticoides</i>	P1	Unlikely	Habitat not identified within the Project Area.

## Appendix A – Desktop Assessment Results

Fortescue Metals Group

### ACANTHACEAE

*Rostellularia adscendens* var. *latifolia* – P3

*Rostellularia adscendens* var. *latifolia* varies between a herb and a shrub that grows between 0.1-0.3 meters high. Flowers are blue to purple to violet in colour and flowering period is between April and May. *Rostellularia adscendens* var. *latifolia* grows on ironstone soils near creeks and rocky hills. There are currently 12 records of *Rostellularia adscendens* var. *latifolia* at the Western Australia State Herbarium.



Plate 1: *Rostellularia adscendens* subsp. *latifolia* Plate from Florabase (WAH 1998-) courtesy of E. Wajon

## Appendix A – Desktop Assessment Results

Fortescue Metals Group

### AMARANTHACEAE

#### *Amaranthus centralis* – P3

*Amaranthus centralis* is an annual erect herb that grows up to 60 cm tall. The stems are angular, sometimes reddish, and their inflorescence are erect terminal spikes that grow up to 60 mm long. A detailed description of *Amaranthus centralis* was written by Palmer (2009) and published in Nuytsia. There are currently four records of *Amaranthus centralis* at the Western Australian State Herbarium.

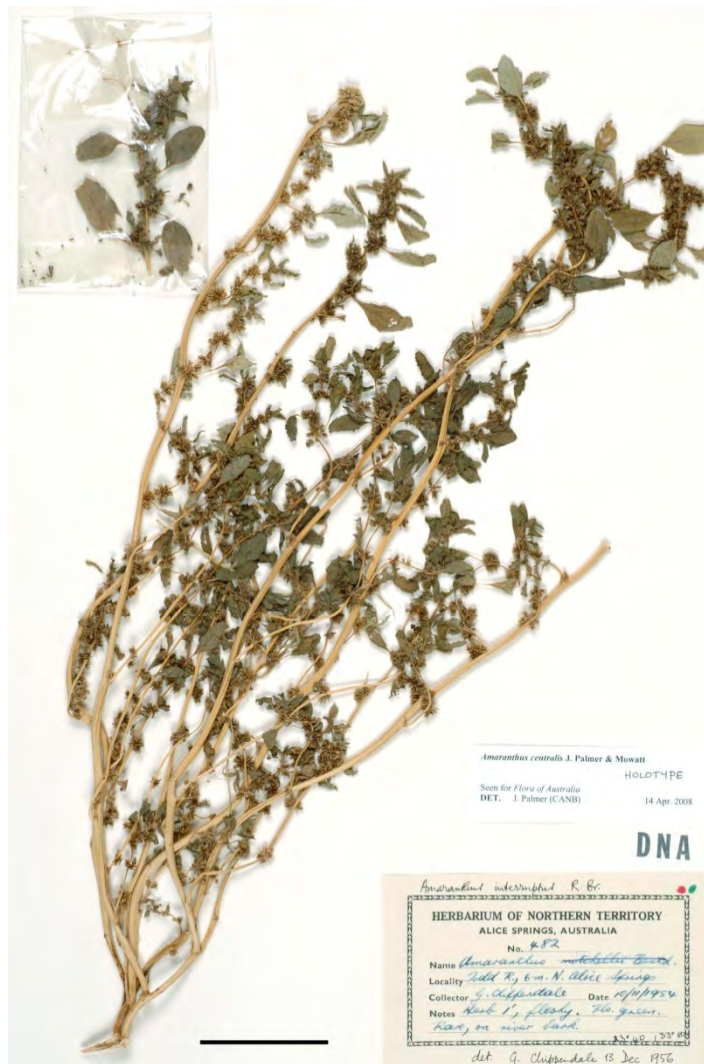


Plate 2: *Amaranthus centralis* Plate derived from Palmer (2009)

### ASTERACEAE

*Brachyscome* sp. Wanna Munna Flats (S. van Leeuwen 4662) – P1

Description unavailable. There are 10 records of *Brachyscome* sp. Wanna Munna at the Western Australian State Herbarium.

*Iotasperma sessilifolium* – P3

*Iotasperma sessilifolium* is an erect herb with pink flowers. It occurs on cracking clay and black loam on edges of waterholes and on plains. There are currently 9 records of *Iotasperma sessilifolium* at the Western Australia State Herbarium.

*Myriocephalus scalpellus* – P1

*Myriocephalus scalpellus* is a semi-erect herb that grows between 0.03-0.08 meters high. It grows on clay in depressions on floodplains. There is currently only one record of *Myriocephalus scalpellus* at the Western Australia State Herbarium.



## Appendix A – Desktop Assessment Results

*Fortescue Metals Group*

### BRASSICACEAE

#### *Lepidium catapycnon* – R

*Lepidium catapycnon* is an open, woody perennial herb or shrub that grows between 0.2-0.3 meters high. A significant feature of the *Lepidium catapycnonis* that the stems zigzag. Flowers are white in colour and flowering period is in October. It occurs on skeletal soils and hillsides. There are currently 12 records of *Lepidium catapycnon* at the Western Australia State Herbarium. This species is listed as Vulnerable under the



Plate 3: *Lepidium catapycnon* Plate derived from Florabase (WAH 1998-) courtesy of L. Sweedman, M. Maier and S. van Leeuwen

### CHENOPODIACEAE

#### *Atriplex flabelliformis* – P3

Monoecious erect rounded perennial herb that grows up to 0.35 m high. Found on clay loam, loam, saline flats and marshes. There are currently 7 records of *Atriplex flabelliformis* at the Western Australian State Herbarium.

#### *Atriplex flabelliformis* – P3

*Atriplex flabelliformis* is a monoecious, erect rounded perennial herb that grows up to 0.35 meters high. It grows on clay loam to loamy soils on saline flats or marshes. There are currently 7 records of *Atriplex flabelliformis* at the Western Australia State Herbarium.

#### *Atriplex spinulosa* – P1

*Atriplex spinulosa* is a monoecious erect rounded annual herb approximately 0.2 meters high. There are currently 12 records of *Atriplex spinulosa* at the Western Australia State Herbarium.

#### *Tecticornia* sp. Christmas Creek (K.A. Shepherd & T. Colmer et al. KS 1063) – P1

Description unavailable for *Tecticornia* sp. Christmas Creek. There are currently 10 records of *Tecticornia* sp. Christmas Creek at the Western Australia State Herbarium.



**Plate 4:** *Tecticornia* sp. Christmas Creek Plate derived from Florabase (WAH 1998-) courtesy of G. Byrne

#### *Tecticornia* sp. Fortescue Marsh (K.A. Shepherd et al. KS 1055) – P1

Description unavailable for *Tecticornia* sp. Fortescue Marsh. There are currently 10 records of *Tecticornia* sp. Fortescue Marsh at the Western Australia State Herbarium.

#### *Tecticornia* sp. Roy Hill (H. Pringle 62) – P3

*Tecticornia* sp. Roy Hill is an erect yellow-green shrub that grows between 0.4-1.2 meters high. They occur on red clayey sand on flat floodways, lake beds, saline alluvial plains and drainage sumps. There are currently 18 records of *Tecticornia* sp. Roy Hill at the Western Australia State Herbarium.

CYPERACEAE

*Fimbristylis sieberiana* – P3

A shortly rhizomatous, tufted perennial sedge that grows between 0.25-0.6 meters high. Flowers are brown in colour and flowering period is May-June. Grows on mud and skeletal soil pockets at pool edges and sandstone cliffs. There are currently 14 records of *Fimbristylis sieberiana* at the Western Australia State Herbarium.



Plate 5: *Fimbristylis sieberiana* Plate derived from Florabase (WAH 1998-) courtesy of G.R. Guerin



### FABACEAE

All *Acacia* information was derived from the *Wattle: Acacias of Australia* CD (Maslin 2001) and *Florabase* (WAH 1998-).

#### *Acacia aphanoclada* – P1

*Acacia aphanoclada* is a species known only from the Nullagine area. It is characterised by its wispy habit comprising very slender, single stems (up to 2 cm in DBH) and open crowns with long, narrow, pendulous phyllodes. It grows up to 6 meters high with narrowly linear, almost terete near base or flat phyllodes that are 20-45 centimetres long. Flowers are yellow and flowering period is Aug-Oct. *Acacia aphanoclada* occurs on skeletal stony soils on rocky ridges and rises in spinifex country with scattered *Eucalyptus* species and *Acacia* species. There are currently 29 records of *Acacia aphanoclada* at the Western Australia State Herbarium.

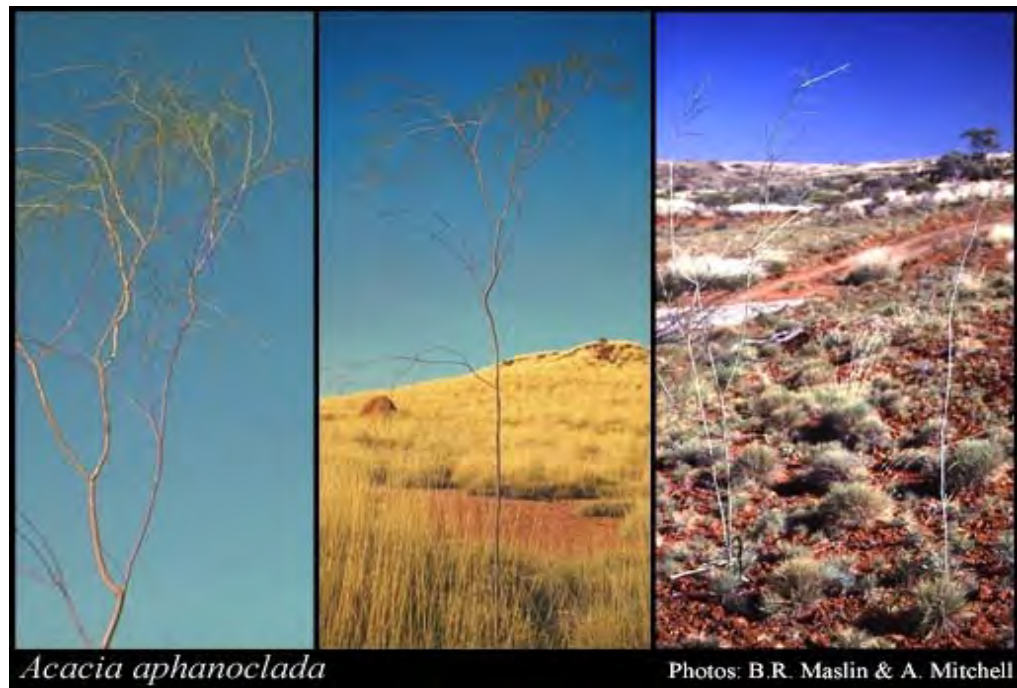


Plate 6: *Acacia aphanoclada* Plate derived from *Florabase* (WAH 1998-) courtesy of B.R. Maslin and A. Mitchell

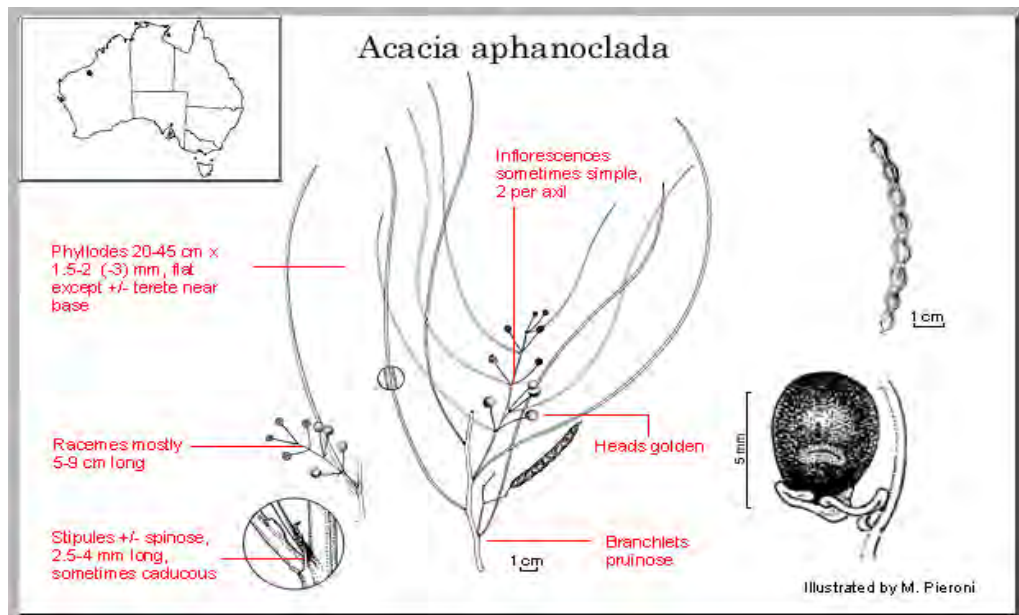


Plate 7: *Acacia aphanoclada* illustration derived from Maslin (2001) courtesy of M. Pieroni

## Appendix A – Desktop Assessment Results

*Fortescue Metals Group*

### *Acacia bromilowiana* – P4

*Acacia bromilowiana* can be a tree or a shrub that grows up to 12 meters high. The bark is dark grey and fibrous, phyllodes are more or less glaucous and slightly pruinosa, inflorescences are in spikes. Flowers are yellow to pink and flowering period is July-August. *Acacia bromilowiana* grows on red skeletal stony loam, laterite, banded ironstone and basalt on rocky hills, breakaways, scree slopes, gorges and creek beds. There are currently 24 records of *Acacia bromilowiana* at the Western Australia State Herbarium.

### *Acacia cyperophylla* var. *omearana* – P1

*Acacia cyperophylla* var. *omearana* is a multistemmed resinous shrub or sometimes a tree that grows up to 12 meters high with 'Minni Ritchi', reddish or salmon in colour bark. Flowers are yellow and flowering period is March-April. *Acacia cyperophylla* var. *omearana* is found on stony and gritty alluvium along drainage lines. There are currently 16 records of *Acacia cyperophylla* var. *omearana* at the Western Australia State Herbarium.



Plate 8: *Acaciacyperophylla* var. *omearana* Plate derived from Florabase (WAH 1998-) courtesy of L. Sweedman

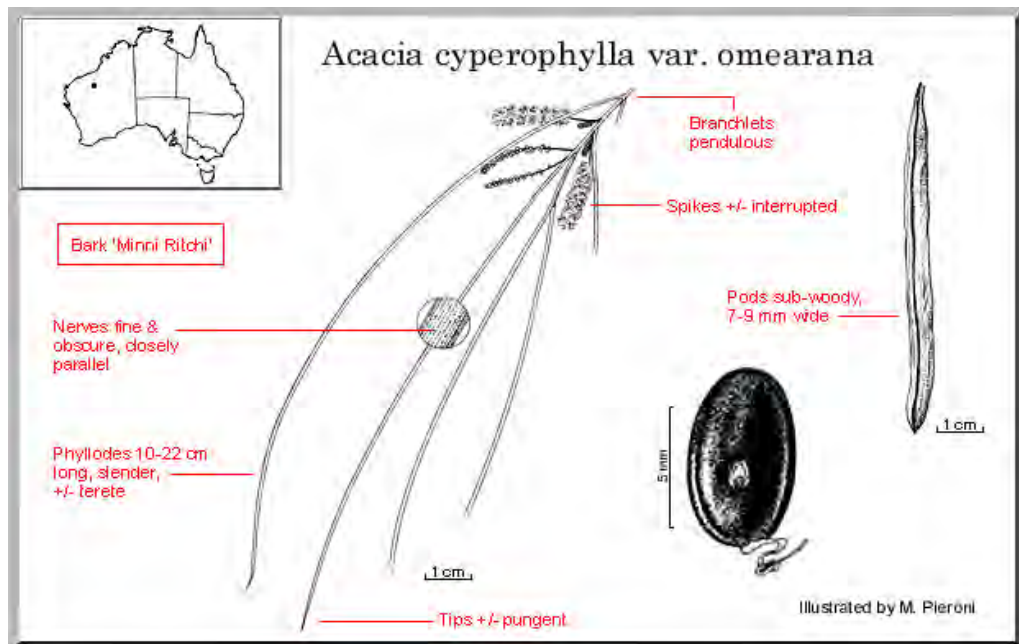


Plate 9: *Acacia cyperophylla* var. *omearana* illustration derived from Maslin (2001) courtesy of M. Pieroni



## Appendix A – Desktop Assessment Results

### Fortescue Metals Group

#### *Acacia effusa* – P3

*Acacia effusa* is a low, dense, resinous shrub that grows up to 1 metre high. The bark is 'Minni Ritchi' in grey to grey-red. *Acacia effusa* is restricted to north-western WA and has only been collected from within the Hamersley Range N.P. where it is locally abundant. It grows on rocky red loam on lower slopes particularly along creeks where watercourses leave the hills. Flowers are yellow in colour and flowering period is May-September. There are currently 21 records of *Acacia effusa* at the Western Australia State Herbarium.



Plate 10: *Acacia effusa* Plate derived from Florabase (WAH 1998-) courtesy of S. Hopper

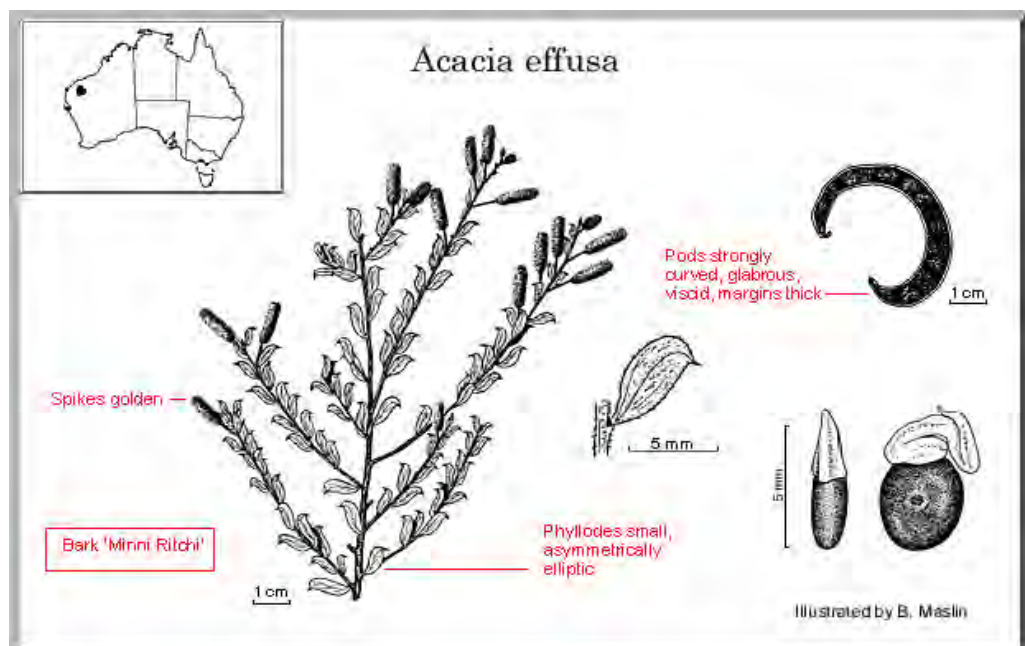


Plate 11: *Acacia effusa* illustration derived from Maslin (2001) courtesy of B. Maslin

### *Acacia fecunda* – P3

*Acacia fecunda* is an erect, obconical shrub that grows up to 3 meters high. The bark is grey, smooth and becoming yellow-brown on upper branches. Phyllodes are more or less sub-glaucous with a slight sheen. Flowers are yellow in colour and flowering period is May/August. *Acacia fecunda* grows on quartzite gibbers over grey-red skeletal soil along shallow creeks and drainage lines, hills and road verges. There are currently 9 records of *Acacia fecunda* at the Western Australia State Herbarium.

### *Acacia* sp. Nullagine (B.R. Maslin 4955)– P1

*Acacia* sp. Nullagine is an erect, spindly shrub that grows up to 3 meters high. Bark is 'Minni Ritchi', grey above and red underneath. *Acacia* sp. Nullagine grows on rocky clay in low-lying areas between rocky hills. There is currently only one record of *Acacia* sp. Nullagine at the Western Australia State Herbarium.

### *Acacia subtiliformis* – P3

*Acacia subtiliformis* is a spindly, slender, erect shrub that grows up to 3.5 meters high. Phyllodes are green with slightly viscid new growth, otherwise resinous and aromatic. Inflorescence heads are up to 6 mm in diameter with red peduncles. Flowers are yellow and flowering period is June. *Acacia subtiliformis* is found on rocky calcrete plateaus. There are currently 11 records of *Acacia subtiliformis* at the Western Australia State Herbarium.

### *Glycine falcata* – P3

*Glycine falcata* is a mat-forming perennial herb that grows up to 0.2 meters high. Flowers are blue to purple in colour and flowering period is May-July. *Glycine falcata* grows on black clayey sand along drainage depressions in crabhole plains on river floodplains. There are 5 records of *Glycine falcata* at the Western Australia State Herbarium.

### *Indigofera gilesii* subsp. *gilesii* – P3

*Indigofera gilesii* subsp. *gilesii* is a shrub that grows up to 1.5 meters high. The flowers are purple to pink in colour and flowering period is May/August. It grows on pebbly loam amongst boulders and outcrops on hills. There are currently 14 records of *Indigofera gilesii* subsp. *gilesii* at the Western Australia State Herbarium.

### *Indigofera ixocarpa* – P2

*Indigofera ixocarpa* is a shrub that grows up to 1 meter high. Flowers are pink in colour and flowering period is May. *Indigofera ixocarpa* grows on skeletal red soils over massive ironstone. There are currently 12 records of *Indigofera ixocarpa* at the Western Australia State Herbarium.

### *Rhynchosia bungarensis* – P4

*Rhynchosia bungarensis* is a compact, prostrate shrub that grows up to 0.5 meters high. The flowers are yellow in colour and it grows on pebbly shingly coarse sand amongst boulders. *Rhynchosia bungarensis* can be found on banks of flow lines and in the mouth of gullies in a valley wall. There are currently 55 records of *Rhynchosia bungarensis* at the Western Australia State Herbarium.

## Appendix A – Desktop Assessment Results

*Fortescue Metals Group*

*Tephrosia bidwillii* – P3

*Tephrosia bidwillii* is a shrub that grows between 0.3-0.9 meters high. Flowers are orange in colour and flowering period is May/August. There are currently 15 records of *Tephrosia bidwillii* at the Western Australia State Herbarium.



Plate 12: *Tephrosia bidwillii* Plate derived from Florabase (WAH 1998-) courtesy of G.F. Craig



### GOODENIACEAE

*Brunonia* sp. Long hairs (D.E. Symon 2440) – P1

*Brunonia* sp. Long hairs is an erect herb that grows up to 0.07 m high with long spreading hairs on the leaves and spike that grows up to 0.3 m high. It is found along creek lines. There are currently 3 records of *Brunonia* sp. Long hairs at the Western Australia State Herbarium.

*Dampiera metallorum*

*Dampiera metallorum* is a rounded multi-stemmed perennial herb up to 0.5 m high. Flowers are blue in colour and flowering period is April–October. Grows on skeletal red-brown gravelly soil over banded ironstone on steep slopes and summits of hills. There are 20 records of *Dampiera metallorum* at the Western Australian State Herbarium.



**Plate 13:** *Dampiera metallorum* Plate derived from Florabase (WAH 1998-) courtesy of S. van Leeuwen

*Goodenia lyrata*– P1

*Goodenia lyrata* is a prostrate herb with lyrate leaves (shaped like a lyre  $\Omega$  upside down). Flowers are yellow and flowering period is August. *Goodenia lyrata* grows on red sandy loam near claypans. There are currently 6 records of *Goodenia lyrata* at the Western Australia State Herbarium.

## Appendix A – Desktop Assessment Results

*Fortescue Metals Group*

*Goodenia nuda*– P4

*Goodenia nuda* is an erect to ascending herb that grows up to 0.5 meters high. Flowers are yellow in colour and flowering period is April-August. There are currently 20 records of *Goodenia nuda* at the Western Australia State Herbarium.



Plate 14: *Goodenia nuda* Plate derived from Florabase (WAH 1998-) courtesy of K.C. Richardson

## Appendix A – Desktop Assessment Results

*Fortescue Metals Group*

*Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) – P1

*Goodenia* sp. East Pilbara is an open, erect annual or biennial herb that grows up to 0.2 meters high. Flowers are yellow in colour and flowering period is August. *Goodenia* sp. East Pilbara grows on red-brown clay soil, calcrete and pebbles on low undulating or swampy plains. There are currently 14 records of *Goodenia* sp. East Pilbara at the Western Australia State Herbarium.



Plate 15: *Goodenia* sp. East Pilbara Plate derived from Florabase (WAH 1998-) courtesy of M. Maier



### MALVACEAE

*Sida* sp. Barlee Range (S. van Leeuwen 1642) – P3

*Sida* sp. Barlee Range is a spreading shrub that grows up to 0.5 meters high. The flowers are yellow in colour and its flowering period is in August. *Sida* sp. Barlee Range grows on skeletal red soil pockets on steep slopes. There are currently 21 records of *Sida* sp. Barlee Range (S. van Leeuwen 1642) at the Western Australia State Herbarium.



Plate 16: *Sida* sp. Barlee Range Plate derived from Florabase (WAH 1998-) courtesy of S. van Leeuwen

### PHRYMACEAE

*Peplidium* sp. Fortescue marsh (S. van Leeuwen 4865) – P1

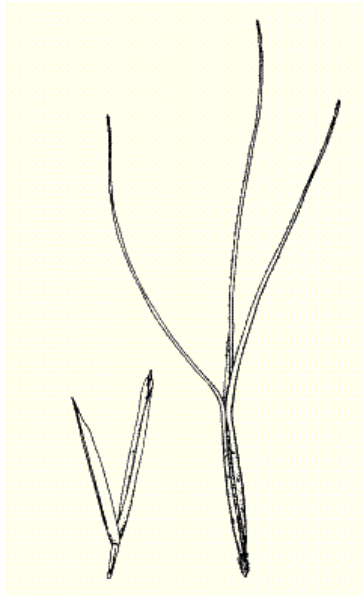
There was no description available for *Peplidium* sp. Fortescue marsh. Currently there is one record of *Peplidium* sp. Fortescue marsh at the Western Australia State Herbarium.

### POACEAE

The information for Poaceae species was derived from the AusGrass CD (Sharp and Simon 2002) and Florabase (WAH 1998-).

#### *Aristida jerichoensis* var. *subspinulifera* – P1

*Aristida jerichoensis* var. *subspinulifera* is a compactly tufted perennial, grass-like or herb that grows between 0.3-0.8 meters high. The lemma groove is muricate and it grows on hardpan plains. There are currently 7 records of *Aristida jerichoensis* var. *subspinulifera* at the Western Australia State Herbarium.



**Plate 17:** *Aristida jerichoensis* var. *subspinulifera* spikelet illustration (Sharp and Simon 2002) courtesy of W. Smith



### *Aristida lazaridis* – P2

*Aristida lazaridis* is a tufted perennial, grass-like or herb that grows between 0.4-1.5 meters high. Flowers are green to purple in colour and flowering period is February to August. *Aristida lazaridis* grows in *Eucalyptus* communities on red earths, sandy soils and loams although it has been recorded from clay soils. *Aristida lazaridis* is characterised by the involute lemma from the furrow of which one margin usually protrudes rather noticeably. There are currently 7 records of *Aristida lazaridis* at the Western Australia State Herbarium.



**Plate 18:** *Aristida lazaridis* spikelet illustration (Sharp and Simon 2002) courtesy of W. Smith

### *Themeda* sp. Hamersley Station (M.E. Trudgen 11431)– P3

*Themeda* sp. Hamersley Station is a tussocky perennial, grass-like or herb that grows between 0.9-1.8 meters high. Flowering period is in August. *Themeda* sp. Hamersley Station grows on red clay on clay pans and grass plains. There are currently 13 records of *Themeda* sp. Hamersley Station at the Western Australia State Herbarium.

## Appendix A – Desktop Assessment Results

Fortescue Metals Group

### *Triodia triticoides*– P1

*Triodia triticoides* is a tussock-forming perennial, grass-like or herb with culms that grow between 0.45-2 meters high. Flowering period is January-March/June-July. *Triodia triticoides* grows on rocky sandstone and limestone hillslopes. This species is characterised by the spiciform, continuous panicle; asymmetrically lobed glume; deeply and unequally lobed lemmas; broadly winged palea keels; and glumes much shorter than the spikelet. There are currently 6 records of *Triodia triticoides* at the Western Australia State Herbarium.

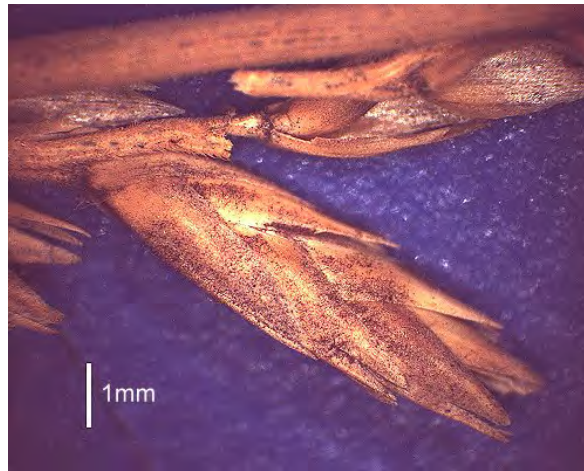


Plate 19: *Triodia triticoides* scanned spikelet (Sharp and Simon 2002) courtesy of D. Sharp



**PTERIDACEAE**

*Adiantum capillus-veneris* – P2

Rhizomatous perennial herb (fern), 0.1-0.2 meters high. Fronds are 1-2 pinnate with a blackish-brown stipe that is hard and glossy. Sori marginal between sinuses and oblong in shape. Grows in moist, sheltered sites in gorges and on cliff walls. There are currently 21 records of *Adiantum capillus-veneris* at the Western Australia State Herbarium.



**Plate 20:** *Adiantum capillus-veneris* Plate derived from Florabase (WAH 1998-) courtesy of C.A Gardner

SCROPHULARIACEAE

Species details for all Scrophulariaceae was derived from Chinnock (2007) and Florabase (WAH 1998-).

*Eremophila magnifica* subsp. *velutina*– P3

*Eremophila magnifica* subsp. *velutina* is a shrub that grows between 0.5-1.5 meters high. Flowers are blue to purple in colour and flowering period is August-September. *Eremophila magnifica* subsp. *velutina* is known only from between Marandoo and Newman occurring on hillslopes and along ephemeral stream courses on rocky (ironstone) red-brown loams in amongst *Triodia*. There are currently 12 records of *Eremophila magnifica* subsp. *velutina* at the Western Australia State Herbarium.

VIII. *Eremophila* sect. *Eremaeae*

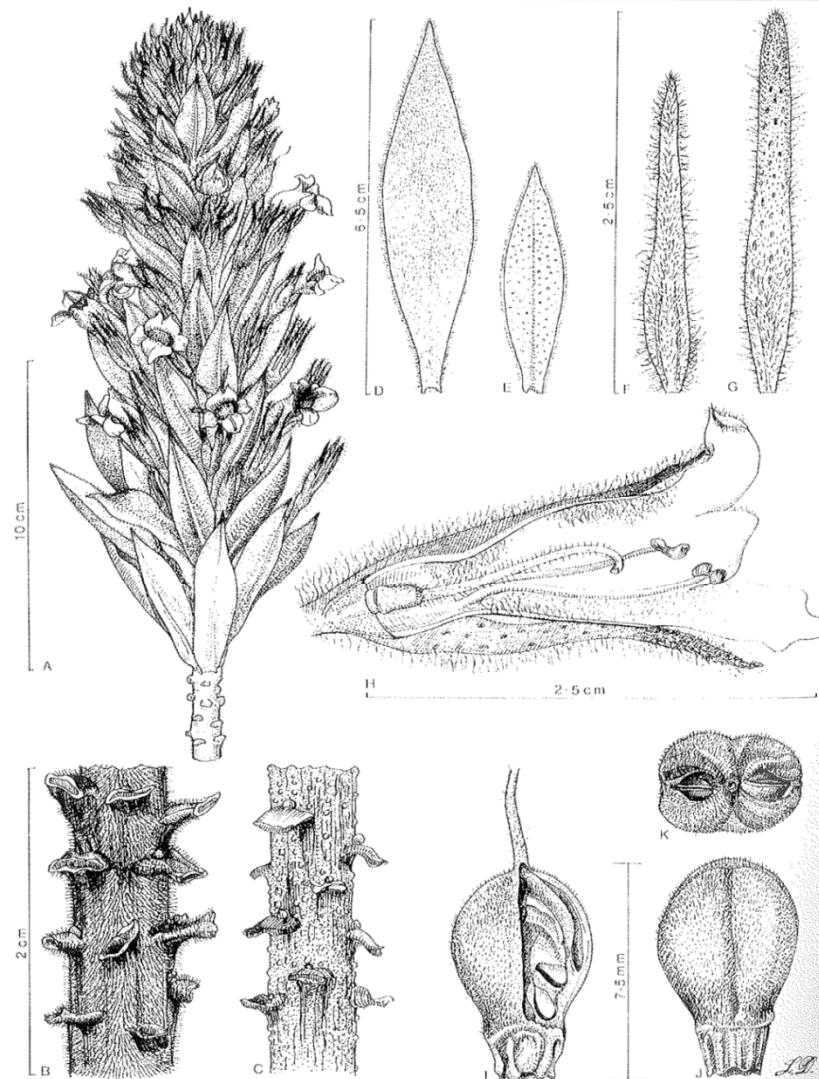


FIG. 200 *Eremophila magnifica* —subsp. *magnifica*. C, enlarged portion of branch; E, adaxial surface of leaf showing glabrous surface and ciliate margins. —subsp. *velutina*. A, branch with flowers; B, enlarged portion of branch; D, adaxial surface of leaf; F–G, outer and inner surface of sepal; H, longitudinal section through flower; I–J, front view of fruit; K, top view of fruit. A–B, D, F–K, M, Trudgen (AD 98027097); C, E, R.J. Chinnock 3879 (AD). SCALE: A, 100 mm; B–C, 20 mm; D–E, 6.5 mm; F–H, 2.5 mm; I–K, 7.5 mm.

Plate 21: Illustration of *Eremophila magnifica* subsp. *velutina* derived from Chinnock (2007)



## Appendix A – Desktop Assessment Results

Fortescue Metals Group

### *Eremophila spongiocharpa*– P1

*Eremophila spongiocharpa* is an intricate spreading shrub that grows 0.5-1 meter tall. The branches are rigid and can be spinescent. Leaves are fleshy (7-) 12-24 (-33) x 1.8-4 (-5) mm. Flowers are 1 per axil with a pedicel 3.5-6.5 mm. *Eremophila spongiocharpa* is known only from saline soils on the Fortescue Marsh where it occurs on subsaline red clay loams. There are currently 16 records of *Eremophila spongiocharpa* at the Western Australia State Herbarium.

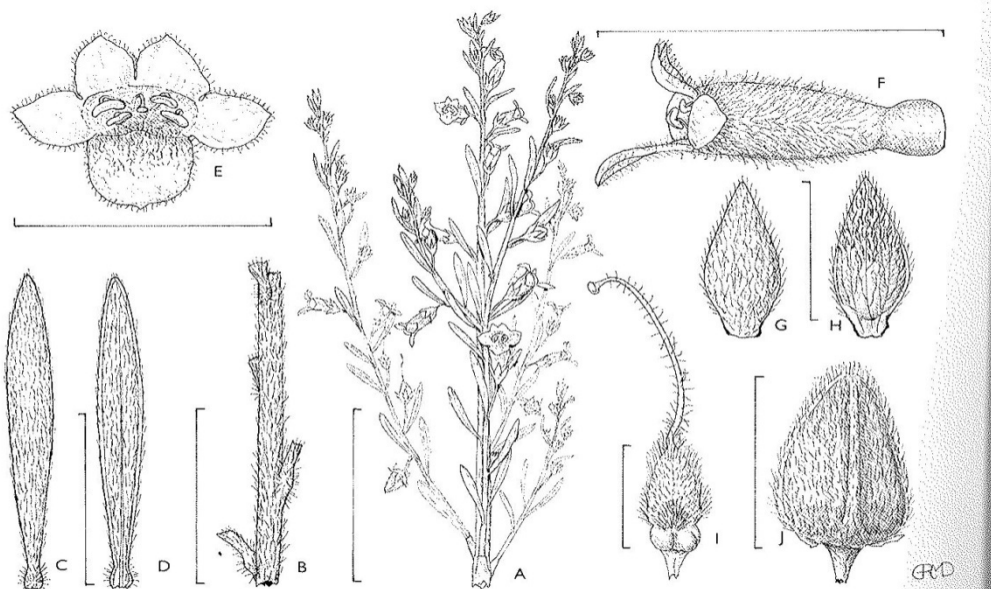
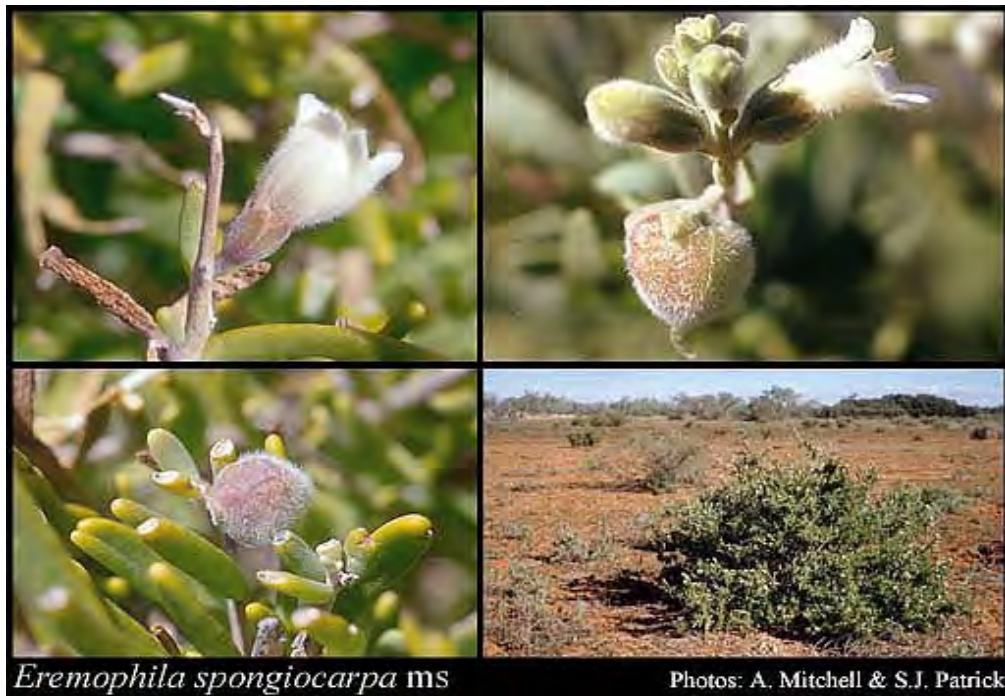


FIG. 201 *Eremophila spongiocharpa*. A, branching habit; B, enlarged portion of branch; C–D, abaxial and adaxial surface of leaf; E–F, front and side view of corolla; G–H, outer and inner surface of sepal; I, gynoecium; J, side view of fruit. A–I, K. Newbey 10210 (AD); J, C.A. Gardner (PERTH). SCALE: A, 30 mm; B, 7 mm; C–F, 10 mm; G–H, 6 mm; I, 4 mm; J, 7 mm.

### Plate 22: Illustration of *Eremophila spongiocharpa* derived from Chinnock (2007)



### Plate 23: *Eremophila spongiocharpa* Plate derived from Florabase (WAH 1998-) courtesy of A. Mitchell and S.J. Patrick

*Eremophila youngii* subsp. *lepidota*– P4

*Eremophila youngii* subsp. *lepidota* is a shrub that has persistent lucid scales on the branches and leaves. The sepals of the flower are imbricate towards the base and are 1.5-2.5 mm long. Flowers are red to pink in colour and flowering period is January-March/June-September. *Eremophila youngii* subsp. *lepidota* is restricted to the Carnarvon Botanical District but has some disjunct populations near Fortescue botanical District near Roy Hill, and in the Northern Territory near Mt Doreen Station. *Eremophila youngii* subsp. *lepidota* grows in low-lying areas that are subject to periodic flooding, on red-brown clay or sandy loams. They usually occur in *Acacia* woodland (mulga) and are associated with other species of *Eremophila* and *Senna*. There are currently 25 records of *Eremophila youngii* subsp. *lepidota* at the Western Australia State Herbarium.

XIII. *Eremophila* sect. *Pholidia*

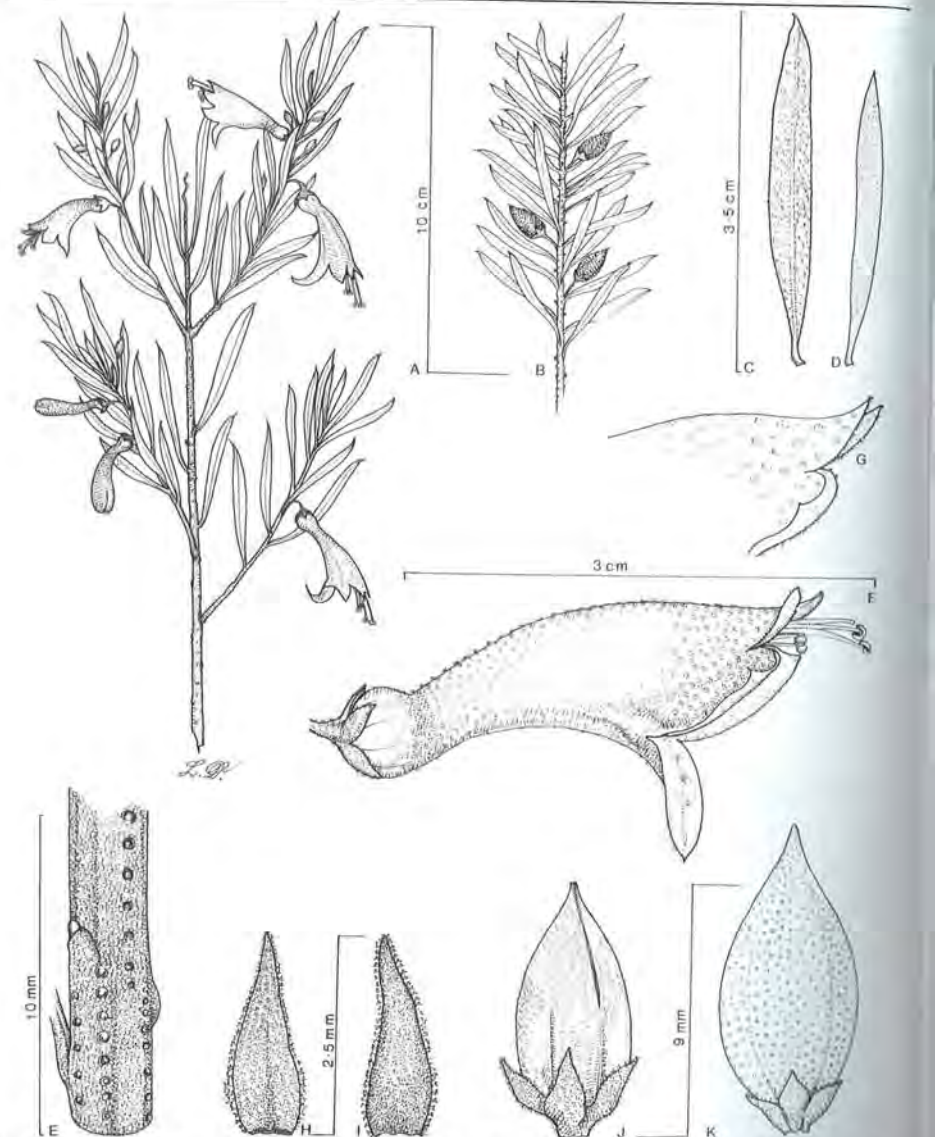


FIG. 226 *Eremophila youngii*—subsp. *youngii*: A, branching habit; C, abaxial surface of leaf; E, enlarged portion of branch; F, side view of corolla showing indumentum of stellate hairs; H-I, outer and inner surface of sepal; J, front view of fruit.—subsp. *lepidota*: B, branch with fruit; note dense leaf arrangement; D, abaxial surface of leaf; G, portion of corolla showing indumentum of scales; K, side view of fruit. A, C, E-F, H-I, K, Chinnock 4682 (AD); B, D, G, K, R, J, Chinnock 5821 (AD). SCALE: A-B, 100 mm; C-D, 35 mm; E, 10 mm; F-G, 30 mm; H-I, 2.5 mm; J-K, 9 mm.

Plate 24: Illustration of *Eremophila youngii* subsp. *youngii* derived from Chinnock (2007)





**Plate 25:** *Eremophila youngii* subsp. *lepidota* Plate derived from Florabase (WAH 1998-) courtesy of B. Buirchell and M.J Start

**SOLANACEAE***Nicotiana heterantha* – P1

*Nicotiana heterantha* is a decumbent, short-lived annual or perennial herb that forms low spreading colonies and grows up to 0.5 meters high. The flowers are white to cream in colour and flowering period is March-June/September. *Nicotiana heterantha* grows on black clay and seasonally wet flats. There are currently 17 records of *Nicotiana heterantha* at the Western Australia State Herbarium.



**Plate 26:** *Nicotiana heterantha* Plate derived from Florabase (WAH 1998-) courtesy of G. Byrne

*Nicotiana umbratica* – P

*Nicotiana umbratica* is an erect, short-lived annual or perennial herb that grows between 0.3-0.7 meters high. Flowers are white in colour and flowering period is April-June. *Nicotiana umbratica* grows on shallow soils on rocky outcrops. There are currently 12 records of *Nicotiana umbratica* at the Western Australia State Herbarium.



## STYLIDIACEAE

*Stylidium weeliwolli* – P2

*Stylidium weeliwolli* is an annual herb that grows between 0.1-0.25 meters high. This *Stylidium* has four throat appendages that are rod-shaped. Flowers are pink to red in colour and flowering period is August-September. *Stylidium weeliwolli* grows on gritty sand soil and sandy clay on edges of watercourses. There are currently 20 records of *Stylidium weeliwolli* at the Western Australia State Herbarium.



**Plate 27:** *Stylidium weeliwolli* photograph derived from Florabase (WAH 1998-) courtesy of S. van Leeuwen

## ZYGOPHYLLACEAE

*Tribulus minutus* – P1

*Tribulus minutus* is a prostrate herb that is villous (entirely covered with long soft hairs). The leaflet pairs are 5-7 and petals are 2.5-7 mm long with spines on fruit not well-developed. There is currently only one record of *Tribulus minutus* at the Western Australia State Herbarium.

## Appendix B

Site Data and Photographs of all Quadrats  
Monitored in April and July 2011



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<b>Plot</b>	A001	<b>Camera</b>	Brons Camera	
<b>Date:</b>	29.3.11	<b>Photo #</b>	1050	1051
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN	<b>Photo # revisit</b>	lb0247	lb0248
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	Red Brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	Rocky	
<b>NW Easting:</b>	744308	<b>Outcrop:</b>	Numerous Ironstone Outcrops	
<b>NW Northing:</b>	7484501	<b>Outcrop Type:</b>	Ironstone	
<b>SE Easting:</b>	744354	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484461	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	Upper Slope		1	3
<b>Aspect:</b>	Westerly	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	3000	0.03
<b>Disturbance:</b>	Low	<b>Lower</b>	500	0.4
<b>Condition:</b>	Excellent	<b>Bare ground (%):</b>	0.5	
<b>Observations:</b>	Site bisected by gully			
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia bivenosa</i>		350	2	
<i>Eucalyptus leucophloia</i>		300	2	
<i>Fimbristylis simulans</i>			1	
<i>Hakea lorea</i> subsp. <i>lorea</i>				
<i>Keraudrenia nephrosperma</i>		100	0.01	
<i>Ptilotus polystachyus</i>		50	0.001	
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>			0.04	
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>			0.01	
<i>Solanum lasiophyllum</i>		10	0.01	
<i>Solanum sturtianum</i>		90	0.02	
<i>Triodia epactia</i>		100	5	
<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)			30	





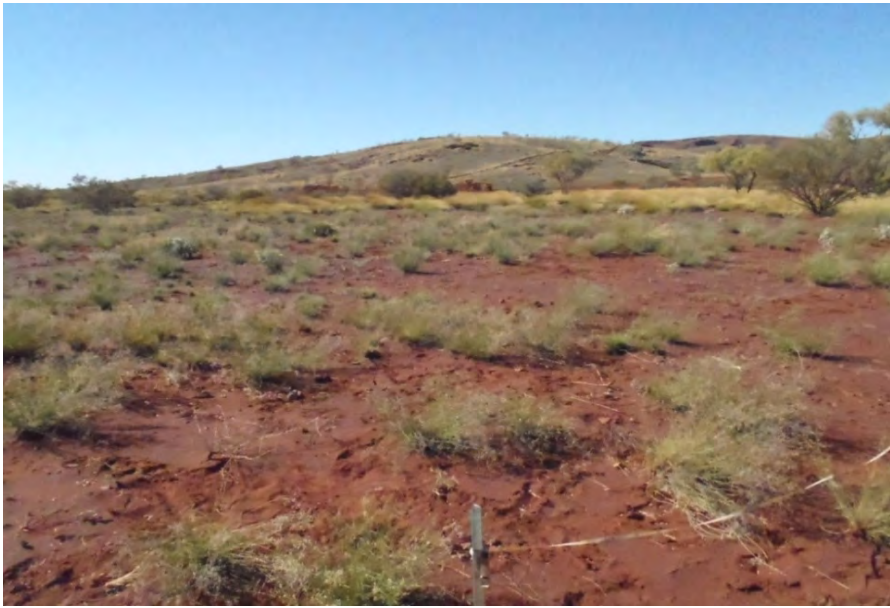
<b>Plot</b>	A002	<b>Camera</b>	Brons Camera	
<b>Date:</b>	29.3.11	<b>Photo #</b>	1052	1053
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN	<b>Photo # revisit</b>	lb0228	lb0229
<b>Initials revisit:</b>	BN / SC	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	Red Brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744287	<b>Outcrop:</b>		
<b>NW Northing:</b>	7484901	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744340	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484851	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	Flat	0	5	2
<b>Aspect:</b>	N/A	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	<b>500</b>	<b>2</b>
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	7
<b>Disturbance:</b>	Low	<b>Lower</b>	100	60
<b>Condition:</b>	Excellent	<b>Bare ground (%):</b>	30	
<b>Observations:</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?sericophylla</i>	250	5		
<i>Acacia ancistrocarpa</i>		2		
<i>Acacia inaequilatera</i>	400	4		
<i>Acacia ligulata</i>	150	1		
<i>Acacia pachyacra</i>		1		
<i>Acacia pruinocarpa</i>		0.1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	250	5		
<i>Anthobolus leptomerioides</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.5		
<i>Boerhavia coccinea</i>		0.1		
<i>Bonamia rosea</i>		0.1		
<i>Cenchrus ciliaris</i>	50	1		
<i>Cleome viscosa</i>		0.3		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.1		
<i>Corymbia hamersleyana</i>		3		
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>	30	0.1		
<i>Dicrastylis cordifolia</i>	30	0.1		
<i>Eragrostis eriopoda</i>	50	0.3		
<i>Eremophila longifolia</i>		5		
<i>Eulalia aurea</i>	60	0.1		
<i>Euphorbia alsiniflora</i>	30	0.2		
<i>Euphorbia boophthona</i>		0.02		
<i>Fimbristylis simulans</i>		0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.03		
<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.6		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	30	0.05		
<i>Hybanthus aurantiacus</i>		0.5		
<i>Paraneurachne muelleri</i>	70	0.3		
<i>Petalostylis labicheoides</i>		2		
<i>Poaceae</i> sp.	15	0.03		
<i>Rhagodia eremaea</i>		0.04		
<i>Scaevola spinescens</i>	100	0.1		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	120	0.3		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>	130	0.3		
<i>Senna notabilis</i>		0.1		
<i>Sida</i> sp.		0.03		
<i>Solanum lasiophyllum</i>		0.02		
<i>Trianthema pilosa</i>	20	0.3		
<i>Tribulus macrocarpus</i>		1		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	20	0.03		
<i>Triodia epactia</i>		15		
<i>Triodia schinzii</i>		15		





<b>Plot</b>	A003	<b>Camera</b>	Brons Camera	
<b>Date:</b>	30.3.11	<b>Photo #</b>	1055	1056
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0236	lb0237
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	Red Brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744069	<b>Outcrop:</b>	n/a	
<b>NW Northing:</b>	7484937	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744119	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484888	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			2
<b>Aspect:</b>	n/a	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	n/a	<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	1
<b>Disturbance:</b>	moderate	<b>Lower</b>	50	15
<b>Condition:</b>	vg	<b>Bare ground (%):</b>	85	
<b>Observations:</b>	obvious signs of grazing grazing and cattle tracks			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?melleodora</i>	200	0.1		
<i>Acacia ancistrocarpa</i>				
<i>Acacia pachyacra</i>		0.5		
<i>Acacia pruinocarpa</i>				
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>				
<i>Acacia synchronicia</i>				
<i>Aristida contorta</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.3		
<i>Aristida inaequiglumis</i>		0.01		
<i>Boerhavia coccinea</i>		0.3		
<i>Cenchrus ciliaris</i>		0.01		
<i>Cleome viscosa</i>		0.05		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.2		
<i>Cymbopogon obtectus</i>				
<i>Dicrasyllis cordifolia</i>		0.05		
<i>Eragrostis eriopoda</i>		10		
<i>Euphorbia ?australis</i>		0.03		
<i>Gossypium australe</i>		0.2		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>				
<i>Hibiscus sturtii</i> var. <i>platychlams</i>		0.5		
<i>Hibiscus sturtii</i> var. <i>Platychlams</i>				
<i>Paraneurachne muelleri</i>		0.1		
<i>Poaceae</i> sp.		0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1		
<i>Senna notabilis</i>		0.1		
<i>Solanum lasiophyllum</i>				
<i>Stemodia</i> sp.		0.01		
<i>Trianthema pilosa</i>		0.01		
<i>Tribulus macrocarpus</i>		0.5		
<i>Triodia epactia</i>		4		





<b>Plot</b>	A004	<b>Camera</b>	Brons Camera	
<b>Date:</b>	30.3.11	<b>Photo #</b>	1056	1057
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0264	lb0265
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Clay Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	Red Brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743353	<b>Outcrop:</b>	n/a	
<b>NW Northing:</b>	7485354	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743402	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485304	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	2
<b>Aspect:</b>	n/a	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	nonE	<b>Upper</b>	<b>500</b>	<b>0.5</b>
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	100	40
<b>Condition:</b>	Excellent	<b>Bare ground (%):</b>	50	
<b>Observations:</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia inaequilatera</i>		5		
<i>Acacia synchronicia</i>		0.5		
<i>Aristida contorta</i>	25	0.7		
<i>Aristida holathera</i>		0.01		
<i>Boerhavia coccinea</i>		0.3		
<i>Cleome viscosa</i>		0.1		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.1		
<i>Corymbia hamersleyana</i>		0.5		
<i>Cucumis maderaspatanus</i>		0.3		
<i>Dysphania rhadinostachya</i>		0.01		
<i>Enneapogon polyphyllus</i>		0.5		
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	5	0.01		
<i>Euphorbia ?australis</i>		0.03		
<i>Goodenia microptera</i>		0.01		
<i>Goodenia prostrata</i>	pr	0.01		
<i>Heliotropium inexplicitum</i>	4	0.01		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.1		
<i>Paraneurachne muelleri</i>		0.5		
<i>Paspalidium basicladum</i>	20	0.1		
<i>Portulaca oleracea</i>	pr	0.1		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.3		
<i>Ptilotus helipteroides</i>	25	0.05		
<i>Ptilotus obovatus</i>		0.01		
<i>Rhynchosia minima</i>	10	0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>		0.3		
<i>Senna notabilis</i>		0.3		
<i>Solanum lasiophyllum</i>		0.5		
<i>Sporobolus australasicus</i>	5	0.02		
<i>Themeda triandra</i>		0.01		
<i>Trianthema pilosa</i>		0.2		
<i>Triodia epactia</i>		35		





<b>Plot</b>	A005	<b>Camera</b>	Brons Camera	
<b>Date:</b>	30.3.11	<b>Photo #</b>	1058	1059
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0295	lb0296
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Clay Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda9	<b>Soil comments:</b>		
<b>NW Easting:</b>	742340	<b>Outcrop:</b>	n/a	
<b>NW Northing:</b>	7486290	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742389	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486241	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		4	2
<b>Aspect:</b>	n/a	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	n/a	<b>Upper</b>	<b>500</b>	<b>2</b>
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	8
<b>Disturbance:</b>	low	<b>Lower</b>	50	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations:</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>			
	<i>Acacia dictyophleba</i>	80	0.3	
	<i>Acacia pachyacra</i>		0.5	
	<i>Acacia pruinocarpa</i>		0.03	
	<i>Aristida holathera</i> var. <i>holathera</i>		0.3	
	<i>Bonamia rosea</i>	30	0.05	
	<i>Cenchrus ciliaris</i>		1	
	<i>Corymbia hamersleyana</i>		2	
	<i>Dicrasyllis cordifolia</i>		0.3	
	<i>Eragrostis eriopoda</i>		0.5	
	<i>Eucalyptus gamophylla</i>	300	8	
	<i>Euphorbia alsiniflora</i>		0.03	
	<i>Gossypium australe</i>		0.2	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.3	
	<i>Hybanthus aurantiacus</i>		0.1	
	<i>Melhania oblongifolia</i>	50	0.5	
	<i>Melhania oblongifolia</i>		0.03	
	<i>Mollugo molluginea</i>	20	0.03	
	<i>Senna artemisioides</i> subsp. <i>Oligophylla</i>		0.01	
	<i>Solanum lasiophyllum</i>		0.02	
	<i>Triodia epactia</i>		4	
	<i>Triodia schinzii</i>		35	





<b>Plot</b>	A006	<b>Camera</b>	Brons Camera	
<b>Date:</b>	30.3.11	<b>Photo #</b>	1060	1061
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0266	lb0267
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744058	<b>Outcrop:</b>	n/a	
<b>NW Northing:</b>	7486769	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744107	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486720	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	n/a	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	n/a	<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	250	3
<b>Disturbance:</b>	low	<b>Lower</b>	100	30
<b>Condition:</b>	excellent	<b>Bare ground (%)</b>	65	
<b>Observations:</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>		0.3		
<i>Acacia bivenosa</i>		0.3		
<i>Acacia inaequilatera</i>		3		
<i>Acacia pruinocarpa</i>		0.4		
<i>Aristida contorta</i>		1		
<i>Aristida holathera</i> var. <i>holathera</i>		0.1		
<i>Aristida inaequiglumis</i>		0.01		
<i>Boerhavia coccinea</i>		0.2		
<i>Bulbostylis barbata</i>	5	0.1		
<i>Bulbostylis barbata</i>	15	0.03		
<i>Cleome viscosa</i>		0.03		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03		
<i>Cucumis maderaspatanus</i>		0.1		
<i>Cymbopogon obtectus</i>		0.1		
<i>Eragrostis eriopoda</i>		2		
<i>Eulalia aurea</i>		0.03		
<i>Euphorbia alsiniflora</i>		0.01		
<i>Goodenia prostrata</i>		0.02		
<i>Goodenia prostrata</i>				
<i>Gossypium australe</i>		0.03		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.2		
<i>Indigofera monophylla</i>	20	0.03		
<i>Paraneurachne muelleri</i>		1		
<i>Poaceae</i> sp.		0.1		
<i>Portulaca oleracea</i>		0.01		
<i>Ptilotus astrolasius</i>		0.01		
<i>Ptilotus helipteroides</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1		
<i>Senna notabilis</i>		0.05		
<i>Sida</i> sp.		0.03		
<i>Solanum lasiophyllum</i>		0.07		
<i>Solanum sturtianum</i>	10	0.01		
<i>Tephrosia supina</i>	5	0.01		
<i>Trianthema pilosa</i>		0.2		
<i>Tribulus macrocarpus</i>		0.05		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.03		
<i>Triodia epactia</i>		30		
<i>Yakirra australiensis</i>		0.01		





<b>Plot</b>	A007	<b>Camera</b>	Brons Camera	
<b>Date:</b>	30.3.11	<b>Photo #</b>	1062	1063
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0380	lb0381
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Clay Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	739986	<b>Outcrop:</b>		
<b>NW Northing:</b>	7485991	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740036	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485940	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	3
<b>Aspect</b>	n/a	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope</b>		<b>Upper</b>	600	1
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	15
<b>Disturbance:</b>	low	<b>Lower</b>	70	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations:</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>		0.03		
<i>Acacia ancistrocarpa</i>		10		
<i>Acacia inaequilatera</i>		3		
<i>Acacia pachyacra</i>		0.5		
<i>Acacia pruinocarpa</i>		0.1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	200	0.5		
<i>Anthobolus leptomerioides</i>	180	0.5		
<i>Aristida contorta</i>		0.5		
<i>Cleome viscosa</i>		0.1		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.06		
<i>Corymbia hamersleyana</i>		1		
<i>Cucumis maderaspatanus</i>		0.1		
<i>Dicrastylis cordifolia</i>		0.1		
<i>Eriachne aristidea</i>		0.01		
<i>Euphorbia ?australis</i>		0.05		
<i>Euphorbia boophthona</i>	50	0.02		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.03		
<i>Gomphrena cunninghamii</i>	10	0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.3		
<i>Hakea chordophylla</i>	300	0.5		
<i>Hakea lorea</i> subsp. <i>lorea</i>		1		
<i>Heliotropium inexplicitum</i>		0.01		
<i>Mollugo molluginea</i>	10			
<i>Phyllanthus maderaspatensis</i>	20	0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.3		
<i>Senna notabilis</i>		0.22		
<i>Solanum lasiophyllum</i>		0.01		
<i>Trianthema pilosa</i>		0.1		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.03		
<i>Triodia epactia</i>		30		
<i>Velleia panduriformis</i>	30	0.02		
<i>Yakirra australiensis</i>	10	0.1		





<b>Plot</b>	A008	<b>Camera</b>	Brons Camera	
<b>Date:</b>	31.3.11	<b>Photo #</b>	1064	1065
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0342	lb0343
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>	blocky surface gravel	
<b>NW Easting:</b>	739793	<b>Outcrop:</b>	n/a	
<b>NW Northing:</b>	7485686	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739843	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485637	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	Lower slope		1	1
<b>Aspect</b>	north	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope</b>	n/a	<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	2
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia inaequilatera</i>		0.3		
<i>Acacia pachyacra</i>		0.1		
<i>Aristida holathera</i>		0.01		
<i>Boerhavia coccinea</i>		0.01		
<i>Cleome viscosa</i>		0.03		
<i>Eriachne aristidea</i>		0.01		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.01		
<i>Euphorbia ?australis</i>		0.02		
<i>Fimbristylis simulans</i>		1		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Gomphrena cunninghamii</i>		0.03		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		2		
<i>Haloragis gossei</i> var. <i>gossei</i>		0.01		
<i>Mollugo molluginea</i>		0.05		
<i>Polycarpaea holtzei</i>		0.03		
<i>Portulaca oleracea</i>		0.02		
<i>Ptilotus calostachyus</i>		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.02		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>		0.01		
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>		0.1		
<i>Solanum lasiophyllum</i>		0.1		
<i>Solanum sturtianum</i>		0.03		
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>		0.01		
<i>Trianthema glossostigma</i>		0.01		
<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)		18		





<b>Plot</b>	A009	<b>Camera</b>	Brons Camera	
<b>Date:</b>	31.3.11	<b>Photo #</b>	1067	1068
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0402	lb0403
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	739453	<b>Outcrop:</b>		
<b>NW Northing:</b>	7486105	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739503	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486057	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	5
<b>Aspect</b>	n/a	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	8
<b>Disturbance:</b>	low	<b>Lower</b>	70	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
? <i>Polymeria</i> sp.		7	0.07	
<i>Acacia</i> ? <i>sericophylla</i>			0.01	
<i>Acacia</i> <i>adoxa</i> var. <i>adoxa</i>				
<i>Acacia</i> <i>ancistrocarpa</i>			3	
<i>Acacia</i> <i>dictyophleba</i>		220	0.2	
<i>Acacia</i> <i>elachantha</i>		200	0.1	
<i>Acacia</i> <i>hilliana</i>		100	0.2	
<i>Acacia</i> <i>pachyacra</i>				
<i>Acacia</i> <i>spondylophylla</i>		150	0.5	
<i>Acacia</i> <i>tumida</i> var. <i>pilbarensis</i>		50	0.05	
<i>Aristida</i> <i>holathera</i> var. <i>holathera</i>				
<i>Bonamia</i> <i>rosea</i>			0.01	
<i>Bonamia</i> <i>rosea</i>				
<i>Corchorus</i> <i>sidoides</i> subsp. <i>sidoides</i>				
<i>Cucumis</i> <i>maderaspatanus</i>			0.1	
<i>Dicrastylis</i> <i>cordifolia</i>				
<i>Eriachne</i> <i>aristidea</i>			0.01	
<i>Eriachne</i> <i>aristidea</i>			0.1	
<i>Eucalyptus</i> <i>gamophylla</i>			0.5	
<i>Euphorbia</i> ? <i>australis</i>				
<i>Goodenia</i> <i>microptera</i>			0.01	
<i>Gossypium</i> <i>robinsonii</i>			0.01	
<i>Grevillea</i> <i>wickhamii</i> subsp. <i>hispidula</i>			1	
<i>Hakea</i> <i>lorea</i> subsp. <i>lorea</i>			0.6	
<i>Indigofera</i> <i>monophylla</i>		30	0.05	
<i>Petalostylis</i> <i>labicheoides</i>			2	
<i>Polycarpaea</i> <i>longiflora</i>			0.01	
<i>Senna</i> <i>glutinosa</i> subsp. <i>pruinosa</i>			0.1	
<i>Senna</i> <i>notabilis</i>			0.5	
<i>Tephrosia</i> sp.			0.01	
<i>Trichodesma</i> <i>zeylanicum</i> var. <i>zeylanicum</i>				
<i>Triodia</i> <i>epactia</i>			35	
<i>Unidentifiable</i> sp.		100	0.05	



<i>Yakirra australiensis</i>		0.1	
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<b>Plot</b>	A010	<b>Camera</b>	Brons Camera	
<b>Date:</b>	31.3.11	<b>Photo #</b>	1070	1071
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0390	lb0391
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	739075	<b>Outcrop:</b>	n/a	
<b>NW Northing:</b>	7486246	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739127	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486197	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	4
<b>Aspect</b>	north	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope</b>	n/a	<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	15
<b>Disturbance:</b>	low	<b>Lower</b>	70	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia adoxa</i> var. <i>adoxo</i>		0.03		
<i>Acacia ancistrocarpa</i>		10		
<i>Acacia arida</i>	170	0.3		
<i>Acacia elachantha</i>		0.3		
<i>Acacia inaequilatera</i>		0.8		
<i>Acacia pachyacra</i>		0.3		
<i>Acacia pruinocarpa</i>		0.02		
<i>Acacia pyrifolia</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.05		
<i>Bonamia rosea</i>		0.03		
<i>Cleome viscosa</i>		0.2		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.1		
<i>Cymbopogon oblectus</i>		0.01		
<i>Dicrastylis cordifolia</i>		0.1		
<i>Eriachne aristidea</i>		0.1		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Gomphrena cunninghamii</i>		0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.5		
<i>Hakea chordophylla</i>		0.3		
<i>Hakea chordophylla</i>		0.3		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.5		
<i>Haloragis gossei</i> var. <i>gossei</i>		0.01		
<i>Hybanthus aurantiacus</i>		0.03		
<i>Mollugo molluginea</i>		0.01		
<i>Petalostylis labicheoides</i>		2		
<i>Phyllanthus maderaspatensis</i>		0.03		
<i>Polymeria ambigua</i>				
<i>Rhynchosia minima</i>		0.01		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1		
<i>Senna notabilis</i>		2		
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	10	0.01		
<i>Tephrosia rosea</i> var. <i>glabrior</i>	20	0.02		
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>		0.02		
<i>Trianthema pilosa</i>		0.02		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.3		
<i>Triodia epactia</i>		50		
<i>Velleia panduriformis</i>		0.03		
<i>Velleia panduriformis</i>		0.01		
<i>Yakirra australiensis</i>		0.2		





<b>Plot</b>	A011	<b>Camera</b>	Brons Camera	
<b>Date:</b>	31.3.11	<b>Photo #</b>	1072	1073
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0400	lb0401
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>	small rocks	
<b>NW Easting:</b>	738599	<b>Outcrop:</b>	n/a	
<b>NW Northing:</b>	7486247	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	738650	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486197	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	low rise		3	1
<b>Aspect:</b>	east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	1	<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	8
<b>Disturbance:</b>	low	<b>Lower</b>	80	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia adoxa</i> var. <i>adoxo</i>		2		
<i>Acacia adoxa</i> var. <i>adoxo</i>				
<i>Acacia ancistrocarpa</i>		5		
<i>Acacia bivenosa</i>		0.2		
<i>Acacia elachantha</i>		0.1		
<i>Acacia elachantha</i>				
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i> var. <i>holathera</i>				
<i>Bonamia rosea</i>		0.03		
<i>Bulbostylis barbata</i>		0.01		
<i>Cleome viscosa</i>		0.1		
<i>Corymbia hamersleyana</i>		0.3		
<i>Dicrastylis cordifolia</i>		0.1		
<i>Dodonaea coriacea</i>	100	0.06		
<i>Dysphania rhadinostachya</i>	10	0.02		
<i>Eragrostis eriopoda</i>				
<i>Eriachne aristidea</i>				
<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.02		
<i>Eucalyptus gamophylla</i>		0.3		
<i>Euphorbia alsiniflora</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>				
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		2		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>				
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.3		
<i>Hybanthus aurantiacus</i>		0.1		
<i>Indigofera monophylla</i>		0.02		
<i>Mollugo molluginea</i>				
<i>Paraneurachne muelleri</i>		0.1		
<i>Petalostylis labicheoides</i>		0.3		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	25	0.1		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.2		
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>				
<i>Senna notabilis</i>		0.01		
<i>Sida</i> sp.	20	0.05		
<i>Trianthema pilosa</i>		0.03		
<i>Trichodesma zeylanicum</i>		0.02		
<i>Triodia epactia</i>		45		



<i>Yakirra australiensis</i>			
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<b>Plot</b>	A012	<b>Camera</b>	Bron's Camera	
<b>Date:</b>	31.3.11	<b>Photo #</b>	1074	1075
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0362	lb0363
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	rocky loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>	rocky surface	
<b>NW Easting:</b>	738138	<b>Outcrop:</b>		
<b>NW Northing:</b>	7486249	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	738188	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486199	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	low rise	1	1	1
<b>Aspect:</b>	north east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	1	<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	2
<b>Disturbance:</b>	low	<b>Lower</b>	70	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia adoxa</i> var. <i>adoxo</i>		1		
<i>Acacia bivenosa</i>		0.5		
<i>Acacia pachyacra</i>		0.3		
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i> var. <i>holathera</i>		0.05		
<i>Bonamia media</i> var. <i>villosa</i>	pr	0.01		
<i>Codonocarpus cotinifolius</i>	90	0.3		
<i>Dicrasyli cordifolia</i>		0.1		
<i>Dysphania rhadinostachya</i>		0.01		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eriachne obtusa</i>				0.02
<i>Eriachne pulchella</i>		0.01		
<i>Euphorbia ? australis</i>		0.01		
<i>Fimbristylis simulans</i>		0.03		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.05		
<i>Goodenia microptera</i>	20	0.03		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		2		
<i>Hakea chordophylla</i>		0.3		
<i>Heliotropium ? pachyphyllum</i>	10	0.01		
<i>Heliotropium pachyphyllum</i>		0.01		
<i>Indigofera monophylla</i>	20	0.02		
<i>Mollugo molluginea</i>		0.1		
<i>Petalostylis labicheoides</i>		0.1		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Polycarpaea holtzei</i>		0.01		
<i>Ptilotus astrolasius</i>	20	0.01		
<i>Ptilotus calostachyus</i>	90	1		
<i>Senna artemisioides</i> subsp. <i>Oligophylla</i>		0.01		
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>		0.1		
<i>Sida arenicola</i>	100	0.05		
<i>Solanum lasiophyllum</i>		0.03		
<i>Trianthema glossostigma</i>		0.02		
<i>Trianthema glossostigma</i>	pr	0.01		

<i>Triodia epactia</i>		10	
<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)		10	







<b>Plot</b>	A013	<b>Camera</b>	brons camera	
<b>Date:</b>	1.4.11	<b>Photo #</b>	1079	1080
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0490	lb0491
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	734388	<b>Outcrop:</b>		
<b>NW Northing:</b>	7497071	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	734438	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497019	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	n/a	<b>Upper</b>	600	5
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	250	2
<b>Disturbance:</b>	high	<b>Lower</b>	60	25
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	655	
<b>Observations</b>	This area has been used for cattle grazing and is heavily degraded			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>	100	0.1		
<i>Acacia citrinoviridis</i>	400	1		
<i>Acacia inaequilatera</i>		0.03		
<i>Acacia pruinocarpa</i>		3		
<i>Acacia sclerosperma subsp. sclerosperma</i>	200	0.5		
<i>Acacia synchronicia</i>	200	1		
<i>Atalaya hemiglauca</i>	250	0.7		
<i>Cenchrus ciliaris</i>		25		
<i>Cleome viscosa</i>		0.01		
<i>Corymbia hamersleyana</i>		2		
<i>Dysphania sp.</i>	10	0.03		
<i>Hakea lorea subsp. lorea</i>		1		
<i>Ipomoea muelleri</i>				



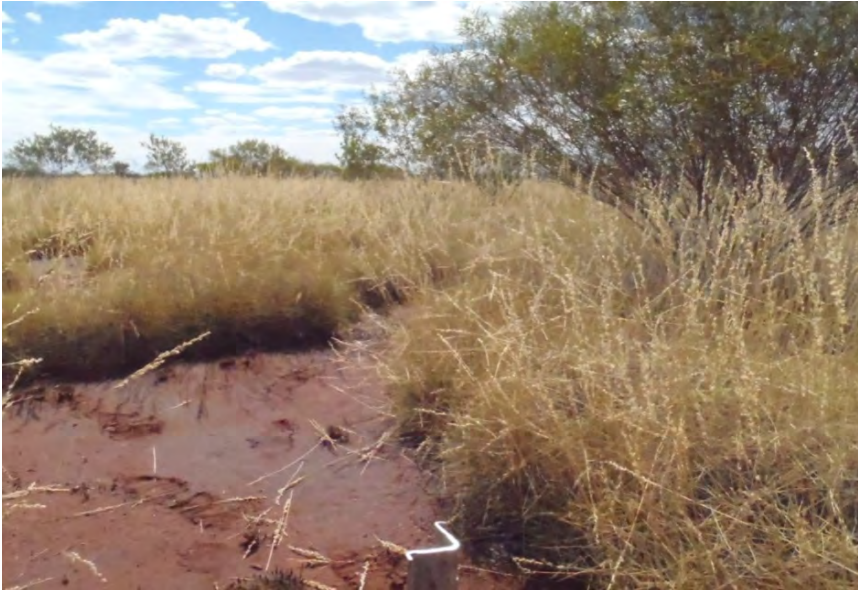


<b>Plot</b>	A014	<b>Camera</b>	Brons Camera	
<b>Date:</b>	1.4.11	<b>Photo #</b>	1080	1081
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0477	lb0478
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	733489	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496757	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	733541	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496707	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	5
<b>Aspect:</b>	n/a	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	0.5
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	4
<b>Disturbance:</b>	low	<b>Lower</b>	80	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>		0.2		
<i>Acacia dictyophleba</i>		0.3		
<i>Acacia inaequilatera</i>		3		
<i>Acacia pachyacra</i>		1		
<i>Aristida holathera</i> var. <i>holathera</i>		0.03		
<i>Bonamia rosea</i>		0.1		
<i>Cenchrus ciliaris</i>		0.5		
<i>Corymbia hamersleyana</i>		0.5		
<i>Dicrastylis cordifolia</i>		0.01		
<i>Eragrostis eriopoda</i>		0.02		
<i>Grevillea</i> sp.		0.03		
<i>Hybanthus aurantiacus</i>		0.03		
<i>Petalostylis labicheoides</i>		0.1		
<i>Ptilotus astrolasius</i>		0.01		
<i>Solanum lasiophyllum</i>		0.3		
<i>Trianthema pilosa</i>		0.01		
<i>Triodia epactia</i>		50		



<b>Plot:</b>	A015	<b>Camera</b>	Brons Camera	
<b>Date:</b>	1.4.11	<b>Photo #</b>	1084	1083
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0486	lb0487
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	734068	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496420	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	734118	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496370	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	15
<b>Disturbance:</b>	low	<b>Lower</b>	80	55
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon otocarpum</i>		0.01		
<i>Acacia ancistrocarpa</i>		12		
<i>Acacia dictyophleba</i>		0.5		
<i>Acacia elachantha</i>		0.05		
<i>Acacia hilliana</i>				
<i>Acacia inaequilatera</i>		0.1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>				
<i>Acacia spondylophylla</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.01		
<i>Aristida inaequiglumis</i>		0.02		
<i>Boerhavia coccinea</i>				
<i>Cenchrus ciliaris</i>		0.01		
<i>Chrysopogon fallax</i>		0.03		
<i>Cleome viscosa</i>				
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01		
<i>Dicrastylis cordifolia</i>		0.01		
<i>Eriachne aristidea</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Gossypium australe</i>				
<i>Hybanthus aurantiacus</i>				
<i>Petalostylis labicheoides</i>		0.3		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03		
<i>Solanum lasiophyllum</i>		0.02		
<i>Trianthera pilosa</i>		0.01		
<i>Tribulus macrocarpus</i>				
<i>Triodia epactia</i>		55		





<b>Plot:</b>	A016	<b>Camera</b>	brons camera	
<b>Date:</b>	1.4.11	<b>Photo #</b>	1085	1086
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0488	lb0489
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	loamS	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	734164	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496744	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	734216	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496695	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1		1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	1
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	2
<b>Disturbance:</b>	high	<b>Lower</b>	50	25
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	70	
<b>Observations</b>	significant burnt logs evident not			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia citrinoviridis</i>	300	2		
<i>Acacia inaequilatera</i>		0.4		
<i>Acacia pachyacra</i>	250	2		
<i>Cenchrus ciliaris</i>		25		
<i>Cleome viscosa</i>		0.01		
<i>Cucumis maderaspatanus</i>		0.03		
<i>Eucalyptus victrix</i>	700	1		
<i>Euphorbia australis</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.2		





<b>Plot:</b>	A017	<b>Camera</b>	Brons Camera	
<b>Date:</b>	1.4.11	<b>Photo #</b>	1087	1088
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0506	lb0507
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	736852	<b>Outcrop:</b>		
<b>NW Northing:</b>	7497675	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	736904	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497625	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	2
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	250	3
<b>Disturbance:</b>	high	<b>Lower</b>	50	20
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	75	
<b>Observations</b>	grazing by cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>		0.3		
<i>Acacia ancistrocarpa</i>		0.3		
<i>Acacia citrinoviridis</i>	700	0.3		
<i>Acacia pruinocarpa</i>		1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		3		
<i>Acacia synchronicia</i>	50	0.04		
<i>Acacia tetragonophylla</i>	170	0.1		
<i>Cenchrus ciliaris</i>		20		
<i>Chrysopogon fallax</i>		0.05		
<i>Corymbia hamersleyana</i>		1		
<i>Dysphania</i> sp.		0.01		
<i>Enneapogon polyphyllus</i>		20		



<b>Plot:</b>	A018	<b>Camera</b>	Brons Camera	
<b>Date:</b>	2.4.11	<b>Photo #</b>	1090	1089
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	Clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	orange brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	salt scald in center of plot	
<b>NW Easting:</b>	743199	<b>Outcrop:</b>		
<b>NW Northing:</b>	7513850	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743249	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513799	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	5	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	350	15
<b>Disturbance:</b>	high	<b>Lower</b>	80	20
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	70	
<b>Observations</b>	the area has been used			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
?Asteraceae sp.	5	0.01		
<i>Acacia synchronicia</i>		5		
<i>Acacia tetragonophylla</i>		1		
<i>Atriplex</i> sp.	100	1		
<i>Blumea tenella</i>	10	0.01		
<i>Boerhavia coccinea</i>		0.03		
<i>Corchorus tridens</i>	5	0.01		
<i>Cucumis maderaspatanus</i>		0.1		
<i>Enchylaena tomentosa</i>	50	0.03		
<i>Enneapogon polyphyllus</i>		20		
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	200	6		
<i>Melaleuca xerophila</i>	300	1		
<i>Neptunia dimorphantha</i>		0.01		
<i>Poaceae</i> sp.	50	0.1		
<i>Scaevola spinescens</i>	110	0.1		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.05		
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>		0.3		
<i>Solanum lasiophyllum</i>		0.03		
<i>Solanum sturtianum</i>	35	0.05		
<i>Solanum sturtianum</i>	50	0.03		
<i>Vachellia farnesiana</i>	200	1		





<b>Plot:</b>	A019	<b>Camera</b>	brons camera	
<b>Date:</b>	2.4.11	<b>Photo #</b>	1091	1092
<b>Date revisit:</b>	N/A	<b>camera revisit</b>		
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	small salt scald in basin	
<b>NW Easting:</b>	742533	<b>Outcrop:</b>		
<b>NW Northing:</b>	7513610	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742584	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513561	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	slightly undulated small dunes			3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	5
<b>Disturbance:</b>	high	<b>Lower</b>	70	20
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	75	
<b>Observations</b>	the area has been used for			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	2		
<i>Acacia synchronicia</i>		0.5		
<i>Acacia xiphophylla</i>	300	3		
<i>Atriplex</i> sp.		1		
<i>Enchylaena tomentosa</i>		0.2		
<i>Enneapogon polyphyllus</i>		20		





<b>Plot:</b>	A020	<b>Camera</b>	Bron's Camera	
<b>Date:</b>	2.4.11	<b>Photo #</b>	1093	1094
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	loamy sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	gda94	<b>Soil comments:</b>	wind erosion	
<b>NW Easting:</b>	743003	<b>Outcrop:</b>		
<b>NW Northing:</b>	7512753	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743055	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7512703	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	mostly flat with some 1 metre dunes		1	33
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	10
<b>Disturbance:</b>	high	<b>Lower</b>	50	25
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>		6		
<i>Acacia aneura</i> var ?	700	1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		3		
<i>Atriplex</i> sp.		1		
<i>Cleome viscosa</i>		0.01		
<i>Enneapogon polyphyllus</i>		25		
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	20	0.01		
<i>Grevillea striata</i>	700			
<i>Maireana pyramidata</i>		0.5		



<b>Plot:</b>	A021	<b>Camera</b>	Brons Camera	
<b>Date:</b>	2/04/2011	<b>Photo #</b>	1095	1096
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	Clay Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	sodic soils and surface gra	
<b>NW Easting:</b>	742979	<b>Outcrop:</b>		
<b>NW Northing:</b>	7512277	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743029	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7512228	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	500	5
<b>Disturbance:</b>	low	<b>Lower</b>	100	10
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	90	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
? <i>Eragrostis</i> sp.	110	0.01		
<i>Acacia</i> ? <i>synchronicia</i>		0.03		
<i>acacia tetragonophylla</i>		0.1		
<i>Acacia xiphophylla</i>		5		
<i>Atriplex</i> ? <i>amnicola</i>	100	2		
<i>Brachyachne prostrata</i>	3	0.01		
<i>Enchylaena tomentosa</i>		0.3		
<i>Enneapogon polyphyllus</i>		2		
<i>Enteropogon ramosus</i>	30	0.03		
<i>Eremophila longifolia</i>	200	0.4		
<i>Maireana pyramidata</i>	110	8		
<i>Marsilea hirsuta</i>	5	0.02		
<i>Portulaca oleracea</i>		0.01		
<i>Rhagodia eremaea</i>	100	0.2		
<i>Scaevola spinescens</i>		0.5		
<i>Sclerolaena cuneata</i>		0.03		
<i>Sporobolus australasicus</i>		0.03		
<i>Trianthema triquetra</i>	pr	0.01		



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<b>Plot:</b>	A022	<b>Camera</b>	brons camera	
<b>Date:</b>	3.4.11	<b>Photo #</b>	1097	1098
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	clay loamS	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743277	<b>Outcrop:</b>		
<b>NW Northing:</b>	7500466	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743327	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500417	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	5	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	3
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	5
<b>Disturbance:</b>	moderate	<b>Lower</b>	80	15
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	70	
<b>Observations</b>	many dead acacia			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia arida</i>		2		
<i>Acacia pruinocarpa</i>		1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		2		
<i>Acacia synchronicia</i>		2		
<i>Chrysopogon fallax</i>		0.03		
<i>Cleome viscosa</i>		0.03		
<i>Dactyloctenium radulans</i>	10	0.03		
<i>Dysphania</i> sp.		0.01		
<i>Enneapogon polyphyllus</i>		3		
<i>Eragrostis eriopoda</i>		0.03		
<i>Eriachne aristidea</i>	15	0.01		
<i>Euphorbia ?australis</i>		0.01		
<i>Euphorbia alsiniflora</i>		0.03		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.03		
<i>Indigofera</i> sp. (juvenile)	4	0.01		
<i>Perotis rara</i>	10	0.01		
<i>Portulaca oleracea</i>				
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Salsola australis</i>	30	0.04		
<i>Senna notabilis</i>		0.2		
<i>Solanum lasiophyllum</i>		0.1		
<i>Sporobolus australasicus</i>		0.3		
<i>Triodia epactia</i>		12		





<b>Plot:</b>	A023	<b>Camera</b>	brons camera	
<b>Date:</b>	3.4.11	<b>Photo #</b>	1099	1100
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	surface gravel	
<b>NW Easting:</b>	743929	<b>Outcrop:</b>		
<b>NW Northing:</b>	7500637	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743979	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500587	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	100	0.2
<b>Disturbance:</b>	low	<b>Lower</b>	20	0.5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	99	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>				
<i>Acacia aneura</i>	150	0.1		
<i>Aristida contorta</i>		0.1		
<i>Boerhavia coccinea</i>		0.05		
<i>Cleome oxalidea</i>	5	0.01		
<i>Cleome viscosa</i>		0.03		
<i>Dactyloctenium radulans</i>		0.01		
<i>Eremophila cuneifolia</i>	50			
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	5	0.03		
<i>Goodenia prostrata</i>		5		
<i>Heliotropium inexplicitum</i>		0.01		
<i>Portulaca ?cyclophylla</i>				
<i>Portulaca oleracea</i>		0.01		
<i>Salsola australis</i>		0.03		
<i>Senna notabilis</i>		0.03		
<i>Solanum lasiophyllum</i>		0.1		
<i>Sporobolus australasicus</i>		0.1		
<i>Tribulus astrocarpus</i>		0.01		



<b>Plot:</b>	A024	<b>Camera</b>	brons camera	
<b>Date:</b>	3.4.11	<b>Photo #</b>	1101	1102
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	gda94	<b>Soil comments:</b>	some small depressions	
<b>NW Easting:</b>	743059	<b>Outcrop:</b>		
<b>NW Northing:</b>	7503310	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743109	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7503260	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	3
<b>Disturbance:</b>	high	<b>Lower</b>	50	15
<b>Condition:</b>	poor to reasonable	<b>Bare ground (%):</b>	80	
<b>Observations</b>	obvious grazing			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon malvifolium</i>	10	0.01		
<i>Acacia aneura</i>		0.5		
<i>Acacia synchronicia</i>		3		
<i>Aristida holathera</i> var. <i>holathera</i>		0.1		
<i>Boerhavia coccinea</i>		0.05		
<i>Cleome viscosa</i>		0.6		
<i>Convolvulus remotus</i>	10	0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.02		
<i>Cucumis maderaspatanus</i>		0.03		
<i>Dactyloctenium radulans</i>		0.03		
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	30	0.05		
<i>Dysphania</i> sp.		0.02		
<i>Enneapogon polyphyllus</i>		1		
<i>Enteropogon ramosus</i>		0.2		
<i>Eragrostis setifolia</i>		10		
<i>Fimbristylis microcarya</i>	115	0.1		
<i>Goodenia prostrata</i>		0.03		
<i>Gossypium australe</i>		0.03		
<i>Malvastrum americanum</i>	25	0.01		
<i>Oldenlandia crouchiana</i>	2	0.01		
<i>Phyllanthus maderaspatensis</i>		0.03		
<i>Portulaca oleracea</i>		0.02		
<i>Ptilotus gomphrenoides</i>	5	0.01		
<i>Ptilotus gomphrenoides</i>	15	0.01		
<i>Salsola australis</i>		0.02		
<i>Sclerolaena costata</i>	10	0.02		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03		
<i>Senna glutinosa</i> subsp. <i>chatelainiana</i>	2			
<i>Senna notabilis</i>		0.3		
<i>Sida fibulifera</i>		0.03		
<i>Solanum lasiophyllum</i>		0.3		
<i>Sporobolus australasicus</i>		0.2		
<i>Streptoglossa</i> sp.	40	0.02		
<i>Tribulus astrocarpus</i>		0.02		





<b>Plot:</b>	A025	<b>Camera</b>	brons camera	
<b>Date:</b>	3.4.11	<b>Photo #</b>	1104	1105
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soil</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	surface gravel	
<b>NW Easting:</b>	743307	<b>Outcrop:</b>		
<b>NW Northing:</b>	7504109	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743357	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504058	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	0.5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	20	2
<b>Condition:</b>	pretty good	<b>Bare ground (%):</b>	97	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia synchronicia</i>		2		
<i>Acacia xiphophylla</i>		1		
<i>Atriplex ?amnicola</i>		0.1		
<i>Cleome viscosa</i>		0.03		
<i>Enneapogon polyphyllus</i>	20	0.1		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Goodenia prostrata</i>		1		
<i>Heliotropium inexplicitum</i>	pr	0.01		
<i>Lepidium pholidogynum</i>	pr	0.1		
<i>Portulaca oleracea</i>		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Salsola australis</i>		0.1		
<i>Sclerolaena costata</i>		0.01		
<i>Sclerolaena cuneata</i>		0.01		
<i>Sclerolaena lanicuspis</i>	5	0.01		
<i>Senna</i> ?sp. Meekatharra (E. Bailey 1-26)	80	0.1		
<i>Solanum lasiophyllum</i>		0.04		
<i>Sporobolus australasicus</i>		0.01		
<i>Tribulus astrocarpus</i>		0.01		





<b>Plot:</b>	A026	<b>Camera</b>	Bronwyn	
<b>Date:</b>	3.4.11	<b>Photo #</b>	1106	1107
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	crab hole clays	
<b>NW Easting:</b>	743193	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505897	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743244	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505846	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	2
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	5
<b>Disturbance:</b>	moderate	<b>Lower</b>	100	220
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		7		
<i>Acacia synchronicia</i>		0.3		
<i>Acacia tetragonophylla</i>		0.5		
<i>Chrysopogon fallax</i>	100	15		
<i>Chrysopogon fallax</i>	100	0.1		
<i>Cleome viscosa</i>		0.1		
<i>Dactyloctenium radulans</i>		0.1		
<i>Dysphania</i> sp.		1		
<i>Enneapogon polyphyllus</i>		3		
<i>Eragrostis setifolia</i>		5		
<i>Eremophila lanceolata</i>	50	1		
<i>Eriachne benthamii</i>	30	0.01		
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.03		
<i>Goodenia prostrata</i>		0.02		
<i>Gossypium australe</i>		0.1		
<i>Malvastrum americanum</i>		0.01		
<i>Operculina aequisejala</i>		0.1		
<i>Phyllanthus maderaspatensis</i>		0.01		
<i>Ptilotus obovatus</i>	60	2		
<i>Rhagodia eremaea</i>	100	0.3		
<i>Rhynchosia minima</i>		0.1		
<i>Salsola australis</i>		3		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1		
<i>Sida fibulifera</i>		0.1		
<i>Solanum lasiophyllum</i>		0.03		
<i>Sporobolus australasicus</i>		0.1		
<i>Streptoglossa</i> sp.		0.02		
<i>Yakirra australiensis</i>		0.1		
<i>Streptoglossa</i> sp.		0.02		
<i>Yakirra australiensis</i>		0.1		



<b>Plot:</b>	A028	<b>Camera</b>	brons camera	
<b>Date:</b>	4/04/2011	<b>Photo #</b>	1111	1112
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0128	lb0129
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744079	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499339	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744130	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499289	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	4	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	10
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	50	4
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	90	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia inaequilatera</i>		0.3		
<i>Acacia incurvaneura</i>	700	15		
<i>Acacia pruinocarpa</i>		0.5		
<i>Acacia synchronicia</i>		1		
<i>Acacia tetragonophylla</i>		0.03		
<i>Atriplex ?amnicola</i>		0.05		
<i>Boerhavia coccinea</i>		0.1		
<i>Chrysopogon fallax</i>		0.05		
<i>Cleome viscosa</i>		0.03		
<i>Corchorus tridens</i>		0.01		
<i>Cucumis maderaspatanus</i>		0.03		
<i>Dactyloctenium radulans</i>		0.01		
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>		0.01		
<i>Enneapogon polyphyllus</i>		0.1		
<i>Enneapogon polyphyllus</i>		0.05		
<i>Eragrostis setifolia</i>		0.03		
<i>Euphorbia ?australis</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Goodenia prostrata</i>		0.01		
<i>Ipomoea muelleri</i>		0.05		
<i>Perotis rara</i>		0.02		
<i>Polycarpaea corymbosa</i>	15	0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Psyrax latifolia</i>	50	0.1		
<i>Rhagodia eremaea</i>		0.03		
<i>Salsola australis</i>		0.03		
<i>Sclerolaena costata</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.05		
<i>Senna notabilis</i>		0.1		
<i>Solanum lasiophyllum</i>		0.03		
<i>Sporobolus australasicus</i>		0.01		
<i>Triodia epactia</i>		0.05		





<b>Plot:</b>	A029	<b>Camera</b>	brons camera	
<b>Date:</b>	4.4.11	<b>Photo #</b>	1113	1114
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0126	lb0127
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744229	<b>Outcrop:</b>		
<b>NW Northing:</b>	7498700	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744278	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498652	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	3	10	15
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	35
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	8
<b>Disturbance:</b>	low	<b>Lower</b>	500	3
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	20	0.01		
<i>Acacia aneura</i>		20		
<i>Acacia aneura</i>		5		
<i>Acacia synchronicia</i>		1		
<i>Acacia tetragonophylla</i>		0.3		
<i>Bulbostylis barbata</i>		0.01		
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	10	0.01		
<i>Chrysopogon fallax</i>		0.3		
<i>Corchorus tridens</i>		0.01		
<i>Cucumis maderaspatanus</i>		0.05		
<i>Dodonaea petiolaris</i>	60	0.03		
<i>Eragrostis setifolia</i>		0.05		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	60	0.05		
<i>Eremophila lanceolata</i>		0.1		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.02		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.3		
<i>Malvastrum americanum</i>		0.01		
<i>Perotis rara</i>		0.01		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Psyrdrax latifolia</i>		1		
<i>Ptilotus obovatus</i>		0.1		
<i>Rhagodia eremaea</i>	1.4	0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>		0.1		
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	200	0.1		
<i>Sporobolus australasicus</i>		0.01		
<i>Streptoglossa</i> sp.		0.01		





<b>Plot:</b>	A030	<b>Camera</b>	brons camera	
<b>Date:</b>	4.4.11	<b>Photo #</b>	1115	1116
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	N/A	
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743216	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499001	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743267	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498950	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	100	5
<b>Disturbance:</b>	moderate	<b>Lower</b>	50	15
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	80	
<b>Observations</b>	adjacent to road			
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia dictyophleba</i>			5	
<i>Acacia pachyacra</i>			0.3	
<i>Acacia synchronicia</i>			0.1	
<i>Cenchrus ciliaris</i>			0.01	
<i>Cleome viscosa</i>			0.01	
<i>Enneapogon polyphyllus</i>			1	
<i>Enneapogon polyphyllus</i>			0.01	
<i>Eragrostis eriopoda</i>			0.03	
<i>Eragrostis setifolia</i>			0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>			0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>			0.3	
<i>Salsola australis</i>			0.01	
<i>Sclerolaena cornishiana</i>			0.01	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>			0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>			0.01	
<i>Senna notabilis</i>			0.01	
<i>Solanum lasiophyllum</i>			0.03	
<i>Sporobolus australasicus</i>			0.01	
<i>Triodia epactia</i>			15	



<b>Plot:</b>	A031	<b>Camera</b>	brons camera	
<b>Date:</b>	4/04/2011	<b>Photo #</b>	1117	1118
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0130	lb0131
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743493	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499286	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743544	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499236	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	3
<b>Time since fire (yrs):</b>	3 to 5	<b>Mid</b>	150	0.5
<b>Disturbance:</b>	high	<b>Lower</b>	50	25
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	70	
<b>Observations</b>	impacted by			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia dictyophleba</i>		0.03	x	
<i>Acacia pachyacra</i>		0.3	x	
<i>Acacia pruinocarpa</i>		2	x	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.05	x	
<i>Cenchrus ciliaris</i>		20		
<i>Corymbia hamersleyana</i>		0.7	x	
<i>Eragrostis eriopoda</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.02	x	
<i>Senna notabilis</i>		0.01		
<i>Sporobolus australasicus</i>		0.01		
<i>Triodia epactia</i>		5	x	





<b>Plot:</b>	A032	<b>Camera</b>	brons camera	
<b>Date:</b>	4.4.11	<b>Photo #</b>	1119	1120
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	b0139/	b01390
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743411	<b>Outcrop:</b>		
<b>NW Northing:</b>	7498091	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743461	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498041	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	350	5
<b>Disturbance:</b>	high	<b>Lower</b>	50	25
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	70	
<b>Observations</b>	heavy grazing			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia dictyophleba</i>		5		
<i>Acacia pruinocarpa</i>		0.4		
<i>Boerhavia coccinea</i>		0.01		
<i>Cenchrus ciliaris</i>		20		
<i>Cleome viscosa</i>		0.011		
<i>Corchorus tridens</i>		0.01		
<i>Eragrostis eriopoda</i>		0.03		
<i>Eremophila longifolia</i>	50	0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.3		
<i>Indigofera monophylla</i>		0.02		
<i>Malvastrum americanum</i>		0.01		
<i>Perotis rara</i>		0.01		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Salsola australis</i>		0.02		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.01		
<i>Senna notabilis</i>		0.03		
<i>Sporobolus australasicus</i>		1		
<i>Triodia epactia</i>		5		





<b>Plot:</b>	A033	<b>Camera</b>	brons camera	
<b>Date:</b>	4.4.11	<b>Photo #</b>	1120	1121
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0141	lb0142
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743345	<b>Outcrop:</b>		
<b>NW Northing:</b>	7497366	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743394	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497317	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	1
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	5
<b>Disturbance:</b>	lower	<b>Lower</b>	70	30
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	40	0.02		
<i>Acacia aneura</i>		0.2		
<i>Acacia dictyophleba</i>		1		
<i>Acacia pachyacra</i>		0.3		
<i>Acacia pruinocarpa</i>		0.1		
<i>Acacia synchronicia</i>		1		
<i>Acacia tetragonophylla</i>		0.03		
<i>Cenchrus ciliaris</i>		1		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus tridens</i>		0.01		
<i>Corymbia hamersleyana</i>		1		
<i>Cucumis maderaspatanus</i>		0.03		
<i>Dactyloctenium radulans</i>		0.01		
<i>Enneapogon polyphyllus</i>		0.01		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eremophila longifolia</i>		0.1		
<i>Eriachne aristidea</i>		0.01		
<i>Euphorbia alsiniflora</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Gossypium australe</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1		
<i>Indigofera</i> sp. (juvenile)		0.01		
<i>Poaceae</i> sp.		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>	130	0.05		
<i>Senna notabilis</i>		0.05		
<i>Trianthema pilosa</i>		0.01		
<i>Tribulus occidentalis</i>		0.03		
<i>Triodia epactia</i>		25		
<i>Yakirra australiensis</i>		0.01		



<b>Plot:</b>	A034	<b>Camera</b>	brons camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1122	1124
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0153	lb0154
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743177	<b>Outcrop:</b>		
<b>NW Northing:</b>	7495220	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743230	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495170	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	100	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		0.05		
<i>Acacia dictyophleba</i>		1		
<i>Acacia pachyacra</i>		0.3		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.5		
<i>Acacia synchronicia</i>		0.4		
<i>Chrysopogon fallax</i>		0.3		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.5		
<i>Rhynchosia minima</i>		0.01		
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>		0.1		
<i>Triodia epactia</i>		25		





<b>Plot:</b>	A035	<b>Camera</b>	brons camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1125	1126
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	b0149/	b01490
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown orange	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744443	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496666	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744493	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496616	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	2
<b>Disturbance:</b>	low	<b>Lower</b>	50	3
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	96	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		0.5		
<i>Acacia pruinocarpa</i>		2		
<i>Acacia synchronicia</i>		0.1		
<i>Aristida contorta</i>		0.03		
<i>Boerhavia coccinea</i>		0.1		
<i>Cleome oxalidea</i>		0.02		
<i>Cleome viscosa</i>		0.03		
<i>Dactyloctenium radulans</i>		0.01		
<i>Dysphania rhadinostachya</i>		0.01		
<i>Dysphania</i> sp.		0.01		
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Goodenia prostrata</i>		0.01		
<i>Heliotropium inexplicitum</i>		0.01		
<i>Portulaca oleracea</i>		1		
<i>Ptilotus obovatus</i>		0.02		
<i>Salsola australis</i>		0.03		
<i>Sclerolaena cornishiana</i>	15	0.01		
<i>Senna notabilis</i>		0.05		
<i>Sida platycalyx</i>		0.03		
<i>Solanum lasiophyllum</i>		0.3		
<i>Sporobolus australasicus</i>		0.02		
<i>Triodia epactia</i>		1		





<b>Plot:</b>	A036	<b>Camera</b>	brons camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1127	1128
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	surface gravel and a few rocks	
<b>NW Easting:</b>	744114	<b>Outcrop:</b>		
<b>NW Northing:</b>	7497403	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744164	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497354	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	150	0.1
<b>Disturbance:</b>	low	<b>Lower</b>	50	3
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	96	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon otocarpum</i>		0.03		
<i>Acacia aneura</i>		0.03		
<i>Acacia synchronicia</i>		0.1		
<i>Boerhavia coccinea</i>		1		
<i>Cenchrus ciliaris</i>		0.01		
<i>Cleome oxalidea</i>		0.01		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03		
<i>Corchorus</i> sp.	15	0.02		
<i>Dysphania rhadinostachya</i>		0.5		
<i>Dysphania</i> sp.		0.03		
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>		0.01		
<i>Euphorbia ?australis</i>		0.01		
<i>Goodenia prostrata</i>		0.01		
<i>Portulaca oleracea</i>		2		
<i>Ptilotus aervoides</i>		0.01		
<i>Salsola australis</i>		0.5		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>				
<i>Senna notabilis</i>		0.03		
<i>Sida platycalyx</i>	20	0.04		
<i>Solanum lasiophyllum</i>		0.03		
<i>Sporobolus australasicus</i>		0.01		
<i>Tribulus astrocarpus</i>		0.03		



<b>Plot:</b>	A037	<b>Camera</b>	brons camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1129	1130
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0145	lb0146
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743248	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496834	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743298	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496795	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	4	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	35
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	5
<b>Disturbance:</b>	low	<b>Lower</b>	50	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aneura</i>		35	
	<i>Acacia synchronicia</i>		0.2	
	<i>acacia tetragonophylla</i>		0.01	
	<i>Aristida contorta</i>		0.01	
	<i>Boerhavia coccinea</i>		0.03	
	<i>Bulbostylis barbata</i>		0.01	
	<i>Calotis multicaulis</i>	15	0.01	
	<i>Cenchrus ciliaris</i>		0.03	
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		0.02	
	<i>Chrysopogon fallax</i>		1	
	<i>Cleome viscosa</i>		0.02	
	<i>Corchorus tridens</i>		0.01	
	<i>Corymbia hamersleyana</i>	50	0.01	
	<i>Cucumis maderaspatanus</i>		0.02	
	<i>Dactyloctenium radulans</i>		0.01	
	<i>Dichanthium sericeum</i> subsp. <i>humilius</i>		0.01	
	<i>Digitaria ctenantha</i>	40	0.01	
	<i>Dodonaea petiolaris</i>		0.03	
	<i>Duperreya commixta</i>	20	0.01	
	<i>Dysphania</i> sp.		0.01	
	<i>Enchylaena tomentosa</i>			
	<i>Enteropogon ramosus</i>		0.02	
	<i>Eragrostis setifolia</i>		0.02	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>		0.05	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	50	0.01	
	<i>Eremophila lanceolata</i>		0.1	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.01	
	<i>Euphorbia</i> ? <i>australis</i>		0.01	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.01	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.03	
	<i>Goodenia prostrata</i>		0.011	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.05	
	<i>Malvastrum americanum</i>		0.01	



<i>Paspalidium basicladum</i>		0.01	
<i>Perotis rara</i>		0.02	
<i>Polycarpaea corymbosa</i>		0.01	
<i>Portulaca oleracea</i>		0.02	
<i>Psyrax latifolia</i>		0.05	
<i>Ptilotus obovatus</i>		0.02	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.02	
<i>Senna notabilis</i>		0.03	
<i>Sporobolus australasicus</i>		0.03	
<i>Stenopetalum nutans</i>	20	0.01	
<i>Triodia epactia</i>		5	
<i>Yakirra australiensis</i>		0.01	







<b>Plot:</b>	A038	<b>Camera</b>	brons camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1131	1133
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0147	lb0148
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743436	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496493	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743487	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496443	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	5	10	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	30
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	3
<b>Disturbance:</b>	moderate	<b>Lower</b>	50	15
<b>Condition:</b>	good / very good	<b>Bare ground (%):</b>	45	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>		0.02		
<i>Acacia aneura</i>		30		
<i>Acacia tetragonophylla</i>		0.05		
<i>Bidens bipinnata</i>	25	2		
<i>Blumea tenella</i>	15	0.01		
<i>Boerhavia coccinea</i>		0.1		
<i>Cenchrus ciliaris</i>		1		
<i>Chrysopogon fallax</i>		10		
<i>Convolvulus remotus</i>		0.01		
<i>Corchorus tridens</i>		0.011		
<i>Cucumis maderaspatanus</i>		0.04		
<i>Dactyloctenium radulans</i>		0.03		
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>		0.02		
<i>Enchylaena tomentosa</i>		0.03		
<i>Enteropogon ramosus</i>		0.01		
<i>Eragrostis setifolia</i>		0.01		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>		0.2		
<i>Eremophila lanceolata</i>		0.1		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.02		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.03		
<i>Malvastrum americanum</i>		0.02		
<i>Paspalidium basicladum</i>		0.01		
<i>Perotis rara</i>		0.01		
<i>Portulaca oleracea</i>		0.02		
<i>Psyrdrax latifolia</i>		2		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1		
<i>Senna notabilis</i>		0.5		
<i>Triodia epactia</i>		0.1		
<i>Yakirra australiensis</i>		0.02		



<b>Plot:</b>	A039	<b>Camera</b>	brons camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1134	1135
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0151	lb0152
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743885	<b>Outcrop:</b>		
<b>NW Northing:</b>	7495952	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743936	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495903	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	2
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	3
<b>Disturbance:</b>	moderate	<b>Lower</b>	70	25
<b>Condition:</b>	good	<b>Bare ground (%):</b>	70	
<b>Observations</b>	grazing			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia dictyophleba</i>		0.5		
<i>Acacia inaequilatera</i>		2		
<i>Acacia pruinocarpa</i>		2		
<i>Acacia pyrifolia</i>		0.03		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.2		
<i>Boerhavia coccinea</i>		0.03		
<i>Capparis umbonata</i> (Juv)	170	0.1		
<i>Cenchrus ciliaris</i>		15		
<i>Cleome viscosa</i>		0.01		
<i>Corymbia hamersleyana</i>		0.1		
<i>Cucumis maderaspatanus</i>		0.03		
<i>Ehretia saligna</i> var. <i>saligna</i>	230	0.1		
<i>Eragrostis eriopoda</i>		0.01		
<i>Euphorbia ?australis</i>		0.01		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.5		
<i>Indigofera monophylla</i>		0.03		
<i>Notoleptopus decaisnei</i>	15	0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.03		
<i>Salsola australis</i>		0.05		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Senna notabilis</i>		0.05		
<i>Streptoglossa</i> sp.		0.01		
<i>Themeda triandra</i>		0.02		
<i>Triodia epactia</i>		10		





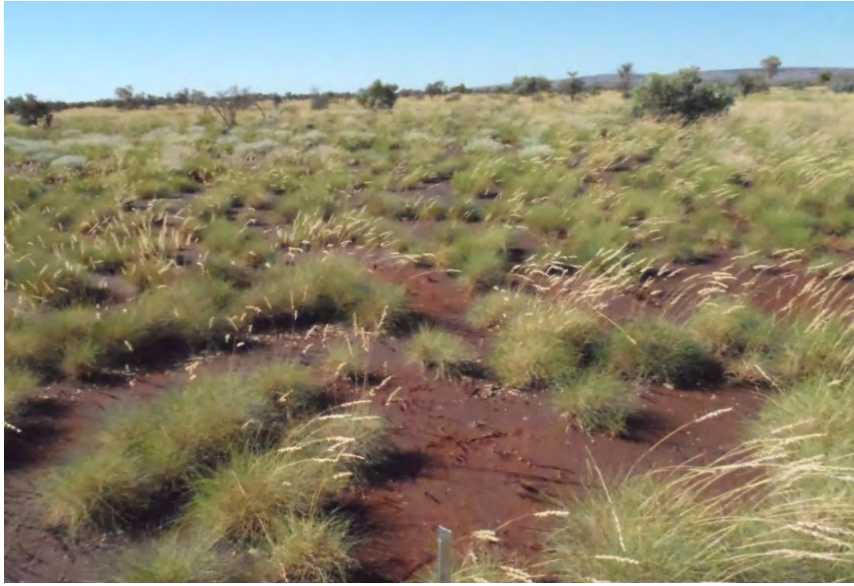
<b>Plot:</b>	A040	<b>Camera</b>	brons camera	
<b>Date:</b>	6.4.11	<b>Photo #</b>	1136	1137
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0664	lb0665
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sandy loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	724073	<b>Outcrop:</b>		
<b>NW Northing:</b>	7506290	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	724122	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506239	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	40636	<b>Mid</b>	200	10
<b>Disturbance:</b>	low	<b>Lower</b>	100	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		1	
	<i>Aristida holathera</i> var. <i>holathera</i>		0.03	
	<i>Bonamia rosea</i>		1	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01	
	<i>Dicrastylis cordifolia</i>		0.1	
	<i>Eragrostis eriopoda</i>		0.3	
	<i>Eriachne aristidea</i>		0.01	
	<i>Eucalyptus gamophylla</i>		3	
	<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.02	
	<i>Indigofera monophylla</i>		0.01	
	<i>Petalostylis labicheoides</i>		6	
	<i>Portulaca oleracea</i>		0.01	
	<i>Ptilotus astrolasius</i>		4	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01	
	<i>Ptilotus polystachyus</i>	50	0.03	
	<i>Salsola australis</i>		0.02	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.2	
	<i>Senna notabilis</i>		0.01	
	<i>Sida arenicola</i>		0.01	
	<i>Sida cardiophylla</i>	30	0.01	
	<i>Stylobasium spathulatum</i>	110	2	
	<i>Trianthema pilosa</i>		0.03	
	<i>Triodia basedowii</i>		15	





<b>Plot:</b>	A041	<b>Camera</b>	Brons Camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1138	1139
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	b0659/	b06590
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	725231	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505844	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	725281	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505794	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	3 to 4	<b>Mid</b>	200	2
<b>Disturbance:</b>	excellent	<b>Lower</b>	50	20
<b>Condition:</b>		<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia inaequilatera</i>		1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		3		
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i> var. <i>holathera</i>		0.03		
<i>Boerhavia coccinea</i>		0.02		
<i>Bonamia rosea</i>		0.05		
<i>Bulbostylis barbata</i>		0.01		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.05		
<i>Dicrastylis cordifolia</i>		0.03		
<i>Dysphania</i> sp.		0.01		
<i>Eragrostis eriopoda</i>		0.1		
<i>Eriachne aristidea</i>		0.01		
<i>Eucalyptus gamophylla</i>		1		
<i>Euphorbia ?australis</i>		0.01		
<i>Goodenia microptera</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.2		
<i>Hibiscus sturtii</i> var. <i>platychlams</i>		0.01		
<i>Indigofera monophylla</i>		0.01		
<i>Paraneurachne muelleri</i>		0.01		
<i>Portulaca oleracea</i>		0.03		
<i>Ptilotus astrolasius</i>		4		
<i>Ptilotus obovatus</i>		0.03		
<i>Ptilotus polystachyus</i>		0.01		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.3		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.06		
<i>Sida cardiophylla</i>		0.01		
<i>Solanum lasiophyllum</i>		0.01		
<i>Stylobasium spathulatum</i>		0.5		
<i>Trianthema pilosa</i>		0.02		
<i>Tribulus macrocarpus</i>		0.01		

<i>Triodia basedowii</i>		15	
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<b>Plot:</b>	A042	<b>Camera</b>	brons camera	
<b>Date:</b>	5.4.11	<b>Photo #</b>	1139	1140
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0633	lb0634
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	large areas of hardpan clay	
<b>NW Easting:</b>	725995	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505508	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726045	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505460	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	4	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	15
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	10
<b>Disturbance:</b>	high	<b>Lower</b>	60	15
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		15		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.05		
<i>Acacia synchronicia</i>		4		
<i>Boerhavia coccinea</i>		0.01		
<i>Calotis multicaulis</i>		0.01		
<i>Cenchrus ciliaris</i>		10		
<i>Chrysopogon fallax</i>		5		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus tridens</i>		0.01		
<i>Enchylaena tomentosa</i>		0.01		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>		0.05		
<i>Eremophila lanceolata</i>		0.01		
<i>Euphorbia australis</i>		1		
<i>Goodenia microptera</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.01		
<i>Ipomoea muelleri</i>		0.2		
<i>Maireana planifolia</i>	50	0.02		
<i>Portulaca oleracea</i>		0.01		
<i>Psydrax latifolia</i>		0.03		
<i>Pterocaulon</i> sp.	15	0.01		
<i>Ptilotus calostachyus</i>		0.01		
<i>Ptilotus obovatus</i>		0.03		
<i>Salsola australis</i>		0.03		
<i>Scaevola spinescens</i>	200	2		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>		0.01		
<i>Senna glutinosa</i> subsp. <i>chatelainiana</i>		0.01		
<i>Solanum lasiophyllum</i>		0.01		
<i>Spermacoce brachystema</i>		0.01		
<i>Sporobolus australasicus</i>		0.01		
<i>Trianthema triquetra</i>		0.01		

<i>Vachellia farnesiana</i>		0.1	
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<b>Plot:</b>	A043	<b>Camera</b>	Brons Camera	
<b>Date:</b>	6.4.11	<b>Photo #</b>	1141	1142
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0649	lb0650
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	Clay Loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	large areas of clay hardpan	
<b>NW Easting:</b>	726221	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505439	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726270	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505389	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	15
<b>Disturbance:</b>	high	<b>Lower</b>	60	15
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ? paraneura</i>	3	0.05		
<i>Acacia aneura</i>		0.05		
<i>Acacia synchronicia</i>		15		
<i>Aerva javanica</i>	110	0.03		
<i>Atriplex ? amnicola</i>		0.05		
<i>Boerhavia coccinea</i>		0.1		
<i>Calotis multicaulis</i>		0.01		
<i>Cenchrus ciliaris</i>		15		
<i>Chrysopogon fallax</i>		0.1		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus tridens</i>		0.01		
<i>Dactyloctenium radulans</i>		0.01		
<i>Dysphania rhadinostachya</i>		0.01		
<i>Enteropogon ramosus</i>		0.01		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>		0.01		
<i>Eremophila lanceolata</i>		0.01		
<i>Euphorbia australis</i>		0.02		
<i>Maireana pyramidata</i>		0.05		
<i>Portulaca oleracea</i>		0.01		
<i>Pterocaulon</i> sp.		0.01		
<i>Pterocaulon sphaeranthoides</i>		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Ptilotus helipteroides</i>		0.01		
<i>Ptilotus obovatus</i>		0.05		
<i>Rhagodia eremaea</i>		0.03		
<i>Salsola australis</i>		0.01		
<i>Scaevola spinescens</i>		0.05		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Sporobolus australasicus</i>		0.01		
<i>Trianthema triquetra</i>		0.01		
<i>Tribulus macrocarpus</i>		0.01		
<i>Triodia basedowii</i>				
<i>Triodia basedowii</i>		0.5		





<b>Plot:</b>	A044	<b>Camera</b>	bronwyn camera	
<b>Date:</b>	13.4.11	<b>Photo #</b>	662	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit:</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0276	N/A
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744618	<b>Outcrop:</b>		
<b>NW Northing:</b>	7486971	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744669	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486923	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	patchy between 1 and 3 years	<b>Mid</b>	400	1
<b>Disturbance:</b>	low	<b>Lower</b>	100	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon otocarpum</i>	25	0.01		
<i>Acacia ancistrocarpa</i>		0.3		
<i>Acacia pachyacra</i>		0.5		
<i>Aristida contorta</i>		0.3		
<i>Boerhavia coccinea</i>		0.05		
<i>Bulbostylis barbata</i>		0.02		
<i>Cenchrus ciliaris</i>		0.02		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.05		
<i>Corymbia hamersleyana</i>		1		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Dysphania rhadinostachya</i>		0.01		
<i>Eragrostis eriopoda</i>		4		
<i>Eriachne aristidea</i>		0.05		
<i>Euphorbia ?australis</i>		0.01		
<i>Goodenia microptera</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1		
<i>Heliotropium inexplicitum</i>		0.01		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.03		
<i>Indigofera monophylla</i>		0.05		
<i>Paraneurachne muelleri</i>		0.1		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Ptilotus astrolasius</i>		0.03		
<i>Ptilotus helipteroides</i>		0.01		
<i>Ptilotus polystachyus</i>	30	0.02		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.05		
<i>Senna notabilis</i>		0.05		
<i>Sida cardiophylla</i>		0.01		
<i>Sida platycalyx</i>		0.02		
<i>Solanum lasiophyllum</i>		0.1		
<i>Solanum lasiophyllum</i>		0.03		
<i>Sporobolus australasicus</i>		0.01		
<i>Streptoglossa ? bubakii</i>	40	0.02		
<i>Streptoglossa</i> sp.		0.03		
<i>Tephrosia supina</i>	20	0.01		
<i>Trianthema pilosa</i>		0.11		
<i>Triodia epactia</i>		10		
<i>Yakirra australiensis</i>		0.01		





<b>Plot:</b>	A045	<b>Camera</b>	nw	
<b>Date:</b>	13.4.11	<b>Photo #</b>	664	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0291	N/A
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743882	<b>Outcrop:</b>		
<b>NW Northing:</b>	7486398	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743931	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486348	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	4
<b>Disturbance:</b>	low	<b>Lower</b>	100	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia inaequilatera</i>		4		
<i>Aristida contorta</i>		0.3		
<i>Aristida holathera</i>		0.01		
<i>Aristida inaequiglumis</i>		0.01		
<i>Boerhavia coccinea</i>		0.05		
<i>Bulbostylis barbata</i>		0.01		
<i>Cenchrus ciliaris</i>		0.03		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01		
<i>Cucumis maderaspatanus</i>		0.02		
<i>Cymbopogon obtectus</i>	80	0.01		
<i>Dicrasyllis cordifolia</i>		0.01		
<i>Eragrostis eriopoda</i>		10		
<i>Eriachne aristidea</i>		0.01		
<i>Euphorbia ?australis</i>		0.01		
<i>Goodenia microptera</i>		0.01		
<i>Gossypium australe</i>		0.02		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.2		
<i>Heliotropium inexplicitum</i>		0.01		
<i>Hibiscus sturtii</i> var. <i>platychlams</i>		0.03		
<i>Indigofera monophylla</i>		0.01		
<i>Paraneurachne muelleri</i>		1		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Ptilotus astrolasius</i>		0.03		
<i>Ptilotus helipteroides</i>		0.01		
<i>Ptilotus polystachyus</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>		0.055		
<i>Senna notabilis</i>		0.03		
<i>Sida cardiophylla</i>		0.01		
<i>Solanum lasiophyllum</i>		0.05		
<i>Streptoglossa ? bubakii</i>		0.01		
<i>Trianthema pilosa</i>		0.3		
<i>Tribulus macrocarpus</i>		0.01		
<i>Triodia epactia</i>		12		



<b>Plot:</b>	A046	<b>Camera</b>	brons camera	
<b>Date:</b>	13.4.11	<b>Photo #</b>	666	667
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit:</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0293	lb0294
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loamS	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	gda94	<b>Soil comments:</b>		
<b>NW Easting:</b>	743101	<b>Outcrop:</b>		
<b>NW Northing:</b>	7486367	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743150	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486318	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	2
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	1
<b>Disturbance:</b>	low	<b>Lower</b>	100	45
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon otocarpum</i>		0.01		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.5		
<i>Aristida holathera</i> var. <i>holathera</i>		0.02		
<i>Atalaya hemiglauca</i>		0.1		
<i>Boerhavia coccinea</i>		0.01		
<i>Cenchrus ciliaris</i>		0.5		
<i>Chrysopogon fallax</i>		0.3		
<i>Corymbia hamersleyana</i>		2		
<i>Eragrostis eriopoda</i>		0.03		
<i>Euphorbia ?australis</i>		0.01		
<i>Gossypium australe</i>		0.03		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.2		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.01		
<i>Paraneurachne muelleri</i>		0.03		
<i>Rhynchosia minima</i>		0.01		
<i>Scaevola spinescens</i>		0.3		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1		
<i>Tephrosia rosea</i> var. <i>glabrior</i>		0.01		
<i>Tephrosia supina</i>		0.01		
<i>Triodia epactia</i>		45		





<b>Plot:</b>	A047	<b>Camera</b>	brons camera	
<b>Date:</b>	13.4.11	<b>Photo #</b>	668	669
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb238\	lb2389
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	river sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	loose gravel and rocks	
<b>NW Easting:</b>	740389	<b>Outcrop:</b>		
<b>NW Northing:</b>	7486601	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740439	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486550	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	MaC	2	3	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1500	5
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	10
<b>Disturbance:</b>	high	<b>Lower</b>	50	30
<b>Condition:</b>	degraded	<b>Bare ground (%):</b>		55
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?coriacea</i> subsp. <i>pendens</i>	130	0.03		
<i>Acacia citrinoviridis</i>		8		
<i>Acacia elachantha</i>		1		
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	400	2		
<i>Amaranthus undulatus</i>	30	0.1		
<i>Aristida contorta</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.01		
<i>Atalaya hemiglauca</i>		0.1		
<i>Boerhavia coccinea</i>		0.08		
<i>Cenchrus ciliaris</i>		25		
<i>Cleome viscosa</i>		0.03		
<i>Corchorus crozophorifolius</i>	100	1		
<i>Cymbopogon</i> sp.	100	0.04		
<i>Duperreya commixta</i>		0.05		
<i>Enneapogon robustissimus</i>		0.01		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.02		
<i>Eucalyptus victrix</i>		4		
<i>Euphorbia ?australis</i>		0.01		
<i>Gomphrena cunninghamii</i>		0.4		
<i>Gossypium robinsonii</i>	120	0.07		
<i>Heliotropium cunninghamii</i>	15	0.01		
<i>Hybanthus aurantiacus</i>		0.03		
<i>Indigofera monophylla</i>		0.03		
<i>Notoleptopus decaisnei</i>		0.01		
<i>Phyllanthus maderaspatensis</i>	30	0.01		
<i>Polycarpaea longiflora</i>	40	0.03		
<i>Ptilotus auriculifolius</i>		0.01		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	0.06		
<i>Solanum sturtianum</i>	50	0.01		
<i>Tephrosia rosea</i> var. <i>glabrior</i>	30	0.04		
<i>Triodia epactia</i>		0.1		





<b>Plot:</b>	A048	<b>Camera</b>	brons camera	
<b>Date:</b>	13.4.11	<b>Photo #</b>	670	671
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb301\	lb3012
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	river sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	loose gravel and rocks	
<b>NW Easting:</b>	740445	<b>Outcrop:</b>		
<b>NW Northing:</b>	7485996	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740495	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485947	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	MaC	5	5	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	5
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	5
<b>Disturbance:</b>	low	<b>Lower</b>	100	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?coriacea</i> subsp. <i>pendens</i>		1		
<i>Acacia citrinoviridis</i>		4		
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>		1		
<i>Amaranthus undulatus</i>		1		
<i>Aristida contorta</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.01		
<i>Atalaya hemiglauca</i>		0.05		
<i>Boerhavia coccinea</i>		0.05		
<i>Cenchrus ciliaris</i>		1		
<i>Cleome viscosa</i>		0.3		
<i>Corchorus crozophorifolius</i>		5		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Duperreya commixta</i>		0.02		
<i>Enneapogon polyphyllus</i>		0.05		
<i>Enneapogon robustissimus</i>		0.03		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.01		
<i>Eucalyptus victrix</i>		8		
<i>Euphorbia ?australis</i>		0.01		
<i>Gomphrena cunninghamii</i>		0.2		
<i>Gossypium robinsonii</i>		0.05		
<i>Heliotropium cunninghamii</i>		0.01		
<i>Hybanthus aurantiacus</i>		0.01		
<i>Indigofera monophylla</i>		3		
<i>Notoleptopus decaisnei</i>		0.2		
<i>Phyllanthus maderaspatensis</i>		0.01		
<i>Polycarpaea longiflora</i>		0.03		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.03		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.3		
<i>Tephrosia rosea</i> var. <i>glabrior</i>		1		



<b>Plot:</b>	A049	<b>Camera</b>	brons camera	
<b>Date:</b>	13.4.11	<b>Photo #</b>	672	673
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb297/	lb2978
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loamS	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	stony surface	
<b>NW Easting:</b>	740771	<b>Outcrop:</b>		
<b>NW Northing:</b>	7485669	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740823	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485619	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	2	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	1
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	2
<b>Disturbance:</b>	high	<b>Lower</b>	60	60
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia citrinoviridis</i>			0.1	
<i>Acacia inaequilatera</i>			0.03	
<i>Acacia pruinocarpa</i>			2	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			1	
<i>Atalaya hemiglauca</i>			0.05	
<i>Boerhavia coccinea</i>			0.01	
<i>Cenchrus ciliaris</i>			60	
<i>Euphorbia ?australis</i>			0.01	
<i>Portulaca oleracea</i>			0.01	
<i>Ptilotus obovatus</i>			0.1	
<i>Salsola australis</i>			0.01	
<i>Solanum lasiophyllum</i>			0.02	





<b>Plot:</b>	A050	<b>Camera</b>		
<b>Date:</b>	14.4.11	<b>Photo #</b>	674	675
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0457	lb0458
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loamS	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	742937	<b>Outcrop:</b>		
<b>NW Northing:</b>	7489779	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742988	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7489730	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	2
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ancistrocarpa</i>		200	0.3	
<i>Acacia inaequilatera</i>			0.3	
<i>Acacia pachyacra</i>			0.5	
<i>Acacia pruinocarpa</i>			0.5	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			1	
<i>Atalaya hemiglauca</i>			0.3	
<i>Boerhavia coccinea</i>			0.01	
<i>Bulbostylis barbata</i>			0.01	
<i>Cenchrus ciliaris</i>			0.1	
<i>Chrysopogon fallax</i>			0.02	
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>		20	0.01	
<i>Dactyloctenium radulans</i>			0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>			0.3	
<i>Indigofera monophylla</i>			0.01	
<i>Perotis rara</i>			0.01	
<i>Polycarpaea corymbosa</i>			0.01	
<i>Scaevola spinescens</i>			0.5	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>			0.05	
<i>Sporobolus australasicus</i>			0.01	
<i>Streptoglossa</i> sp.			0.01	
<i>Tephrosia supina</i>			0.01	
<i>Triodia epactia</i>			50	





<b>Plot:</b>	A051	<b>Camera</b>	brons camera	
<b>Date:</b>	14/04/2011	<b>Photo #</b>	676	677
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0435	lb0436
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	loamS	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	740153	<b>Outcrop:</b>		
<b>NW Northing:</b>	7488748	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740203	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488699	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	1	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	3
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	5
<b>Disturbance:</b>	high	<b>Lower</b>	50	35
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	55	
<b>Observations</b>	gently undulating			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia citrinoviridis</i>		0.3		
<i>Acacia pruinocarpa</i>		2		
<i>Atalaya hemiglauca</i>		0.5		
<i>Boerhavia coccinea</i>		0.03		
<i>Cenchrus ciliaris</i>		20		
<i>Cleome viscosa</i>		0.01		
<i>Corymbia hamersleyana</i>		3		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Eremophila longifolia</i>	250	0.5		
<i>Gossypium australe</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		2		
<i>Malvastrum americanum</i>		0.01		
<i>Ptilotus obovatus</i>		0.03		
<i>Rhagodia eremaea</i>	50	0.03		
<i>Senna notabilis</i>		0.01		
<i>Triodia epactia</i>		10		



<b>Plot:</b>	A052	<b>Camera</b>	brons camera	
<b>Date:</b>	14.4.11	<b>Photo #</b>	679	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0406	lb0407
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	739620	<b>Outcrop:</b>		
<b>NW Northing:</b>	7488242	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739671	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488193	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1		3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	2
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	1
<b>Disturbance:</b>	high	<b>Lower</b>	50	25
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ancistrocarpa</i>			0.03	
<i>Acacia citrinoviridis</i>			0.5	
<i>Acacia pruinocarpa</i>			1	
<i>Aerva javanica</i>			0.01	
<i>Atalaya hemiglauca</i>			0.03	
<i>Boerhavia coccinea</i>			0.01	
<i>Cenchrus ciliaris</i>			25	
<i>Cleome viscosa</i>			0.01	
<i>Codonocarpus cotinifolius</i>			0.05	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>			0.03	
<i>Corchorus tridens</i>			0.02	
<i>Dysphania rhadinostachya</i>			0.01	
<i>Eucalyptus victrix</i>			1	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>			0.01	
<i>Polycarpaea longiflora</i>			0.01	
<i>Portulaca oleracea</i>			0.01	
<i>Pterocaulon serrulatum</i>			0.01	
<i>Senna notabilis</i>			0.01	





<b>Plot:</b>	A053	<b>Camera</b>	brons camera	
<b>Date:</b>	14.4.11	<b>Photo #</b>	680	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0415	lb0416
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	rocks on surface	
<b>NW Easting:</b>	739394	<b>Outcrop:</b>		
<b>NW Northing:</b>	7488046	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739443	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7487994	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	mac	3	2	20
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	15
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	5
<b>Disturbance:</b>	low	<b>Lower</b>	100	10
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	55	
<b>Observations</b>	floodplain			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i> sensl.		0.03		
<i>Acacia citrinoviridis</i>		20		
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>		0.05		
<i>Amaranthus undulatus</i>		0.01		
<i>Amyema fitzgeraldii</i>		0.03		
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i>		0.01		
<i>Atalaya hemiglauca</i>		0.5		
<i>Boerhavia coccinea</i>		0.03		
<i>Cenchrus ciliaris</i>		5		
<i>Cleome viscosa</i>		0.055		
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	150	0.05		
<i>Corchorus crozophorifolius</i>		8		
<i>Duperreya commixta</i>		0.1		
<i>Enneapogon robustissimus</i>		0.05		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.02		
<i>Eucalyptus victrix</i>		4		
<i>Euphorbia ?australis</i>		0.01		
<i>Euphorbia biconvexa</i>	30	0.01		
<i>Gomphrena cunninghamii</i>		0.01		
<i>Gossypium robinsonii</i>		0.05		
<i>Hybanthus aurantiacus</i>		0.02		
<i>Indigofera monophylla</i>		0.03		
<i>Notoleptopus decaisnei</i>		0.01		
<i>Phyllanthus maderaspatensis</i>		0.01		
<i>Polycarpaea longiflora</i>		0.01		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.05		
<i>Solanum sturtianum</i>		0.01		
<i>Tephrosia rosea</i> var. <i>glabrior</i>		0.03		
<i>Triodia epactia</i>		1		





<b>Plot:</b>	A054	<b>Camera</b>	brons camera	
<b>Date:</b>	14.4.11	<b>Photo #</b>	682	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0455	lb0456
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	740071	<b>Outcrop:</b>		
<b>NW Northing:</b>	7490575	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740121	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7490527	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	3
<b>Disturbance:</b>	low	<b>Lower</b>	50	35
<b>Condition:</b>	very good -excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>		0.01		
<i>Acacia dictyophleba</i>		0.4		
<i>Acacia inaequilatera</i>		2		
<i>Acacia pruinocarpa</i>		1		
<i>Acacia synchronicia</i>		0.1		
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i> var. <i>holathera</i>		0.01		
<i>Boerhavia coccinea</i>		0.03		
<i>Bulbostylis barbata</i>		0.01		
<i>Cenchrus ciliaris</i>		5		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01		
<i>Dysphania</i> sp.		0.01		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eriachne aristidea</i>		0.01		
<i>Euphorbia ?australis</i>		0.01		
<i>Euphorbia boophthona</i>		0.02		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Goodenia microptera</i>		0.001		
<i>Mollugo molluginea</i>		0.01		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Pterocaulon</i> sp.		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>		0.01		
<i>Senna notabilis</i>		0.01		
<i>Solanum lasiophyllum</i>		0.02		
<i>Sporobolus australasicus</i>		0.01		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.01		
<i>Triodia epactia</i>		25		



<b>Plot:</b>	A055	<b>Camera</b>	brons camera	
<b>Date:</b>	14.4.11	<b>Photo #</b>	685	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0461	lb0462
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	737981	<b>Outcrop:</b>		
<b>NW Northing:</b>	7492719	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	738031	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492669	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	3	1	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	8
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	1
<b>Disturbance:</b>	high	<b>Lower</b>	50	30
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	55	
<b>Observations</b>	undulating swale			
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia citrinoviridis</i>			0.5	
<i>Acacia pruinocarpa</i>			2	
<i>Aerva javanica</i>			0.02	
<i>Atalaya hemiglauca</i>			0.06	
<i>Cenchrus ciliaris</i>			25	
<i>Codonocarpus cotinifolius</i>			0.02	
<i>Corchorus tridens</i>			0.03	
<i>Corymbia hamersleyana</i>			1	
<i>Cucumis maderaspatanus</i>			0.01	
<i>Duperreya commixta</i>			0.05	
<i>Eucalyptus victrix</i>			5	
<i>Hakea lorea</i> subsp. <i>lorea</i>	130		0.04	
<i>Hakea lorea</i> subsp. <i>lorea</i>			0.5	
<i>Malvastrum americanum</i>			0.01	
<i>Ptilotus obovatus</i>			0.02	
<i>Solanum lasiophyllum</i>			0.01	





<b>Plot:</b>	A056	<b>Camera</b>	brons camera	
<b>Date:</b>	15/04/2011	<b>Photo #</b>	689	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0459	lb0450
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown 00	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	739713	<b>Outcrop:</b>		
<b>NW Northing:</b>	7491917	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739765	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7491866	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	2
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	2
<b>Disturbance:</b>	low	<b>Lower</b>	100	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia aneura</i>			0.03	
<i>Acacia citrinoviridis</i>			0.5	
<i>Acacia inaequilatera</i>			2	
<i>Acacia pruinocarpa</i>			0.5	
<i>Aristida contorta</i>			0.01	
<i>Aristida holathera</i>			0.01	
<i>Boerhavia coccinea</i>			0.022	
<i>Cenchrus ciliaris</i>			3	
<i>Chrysopogon fallax</i>			0.01	
<i>Cleome viscosa</i>			0.01	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>			0.01	
<i>Corymbia hamersleyana</i>			2	
<i>Cucumis maderaspatanus</i>			0.01	
<i>Enchylaena tomentosa</i>			0.02	
<i>Eragrostis eriopoda</i>			0.02	
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>			0.03	
<i>Eriachne aristidea</i>			0.01	
<i>Euphorbia ?australis</i>			0.01	
<i>Euphorbia boophthona</i>			0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>			0.01	
<i>Goodenia prostrata</i>			0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>			0.05	
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>			0.01	
<i>Perotis rara</i>			0.01	
<i>Polycarpaea corymbosa</i>			0.01	
<i>Pterocaulon serrulatum</i>			0.01	
<i>Ptilotus helipteroides</i>			0.01	
<i>Sclerolaena cornishiana</i>			0.01	
<i>Sclerolaena cornishiana</i>			0.01	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>			0.03	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>			0.02	
<i>Senna notabilis</i>			0.03	
<i>Solanum lasiophyllum</i>			0.03	
<i>Tephrosia supina</i>			0.01	
<i>Tribulus macrocarpus</i>			0.01	
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>			0.01	

<i>Triodia epactia</i>		18	
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<b>Plot:</b>	A057	<b>Camera</b>	brons camera	
<b>Date:</b>	15.4.11	<b>Photo #</b>	691	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0110	lb0111
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	747994	<b>Outcrop:</b>		
<b>NW Northing:</b>	7483418	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	748045	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7483368	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	7
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	500	3
<b>Time since fire (yrs):</b>	3 to 5	<b>Mid</b>	300	4
<b>Disturbance:</b>	low	<b>Lower</b>	100	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia dictyophleba</i>		0.05		
<i>Acacia inaequilatera</i>		0.2		
<i>Acacia pachyacra</i>		0.03		
<i>Acacia tumida</i> var. <i>pilbarensis</i>		0.05		
<i>Aristida holathera</i> var. <i>holathera</i>		1		
<i>Boerhavia coccinea</i>		0.03		
<i>Cenchrus ciliaris</i>		0.05		
<i>Cleome viscosa</i>		0.03		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.3		
<i>Corymbia hamersleyana</i>		3		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Cymbopogon obtectus</i>		0.03		
<i>Dicrasyllis cordifolia</i>		0.05		
<i>Eragrostis eriopoda</i>		1		
<i>Eremophila longifolia</i>		1		
<i>Euphorbia ?australis</i>		0.01		
<i>Euphorbia biconvexa</i>		0.01		
<i>Goodenia microptera</i>		0.01		
<i>Gossypium australe</i>	100	0.05		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>				
<i>Hakea lorea</i> subsp. <i>lorea</i>		3		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.1		
<i>Hybanthus aurantiacus</i>	20	0.01		
<i>Hybanthus aurantiacus</i>		0.001		
<i>Indigofera colutea</i>	20	0.01		
<i>Indigofera georgei</i>	80	0.01		
<i>Mollugo molluginea</i>		0.01		
<i>Paraneurachne muelleri</i>		0.2		
<i>Poaceae</i> sp.		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.03		
<i>Ptilotus polystachyus</i>		2		
<i>Rhyncharhena linearis</i>		0.01		
<i>Rhynchosia minima</i>		0.01		
<i>Salsola australis</i>		0.01		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>		0.05		
<i>Senna notabilis</i>		0.03		
<i>Sida</i> sp.		0.05		
<i>Trianthema pilosa</i>		0.05		
<i>Tribulus macrocarpus</i>		0.03		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.01		
<i>Triodia epactia</i>		1		
<i>Triodia schinzii</i>		10		
<i>Yakirra australiensis</i>		0.01		



<i>Acacia dictyophleba</i>		0.05	
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<b>Plot:</b>	A058	<b>Camera</b>	brons camera	
<b>Date:</b>	15.4.11	<b>Photo #</b>	693	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0120	lb0121
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	746840	<b>Outcrop:</b>		
<b>NW Northing:</b>	7483856	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	746889	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7483806	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	2 to 3	<b>Mid</b>	400	3
<b>Disturbance:</b>	low	<b>Lower</b>	120	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia bivenosa</i>		0.02		
<i>Acacia dictyophleba</i>		0.03		
<i>Acacia pachyacra</i>		0.01		
<i>Acacia pruinocarpa</i>		0.03		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300			
<i>Anthobolus leptomerioides</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.01		
<i>Bonamia rosea</i>		0.01		
<i>Cleome viscosa</i>		0.01		
<i>Cymbopogon obtectus</i>		0.01		
<i>Dicrastylis cordifolia</i>		0.03		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eriachne helmsii</i>	60	0.01		
<i>Hakea chordophylla</i>		3		
<i>Hybanthus aurantiacus</i>		0.01		
<i>Indigofera monophylla</i>		0.01		
<i>Petalostylis labicheoides</i>		0.5		
<i>Poaceae</i> sp.	60	0.01		
<i>Poaceae</i> sp.		0.01		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.05		
<i>Senna notabilis</i>		0.01		
<i>Trianthema pilosa</i>		0.03		
<i>Triodia epactia</i>		0.01		
<i>Triodia schinzii</i>		30		



<b>Plot:</b>	A059	<b>Camera</b>	brons camera	
<b>Date:</b>	15.4.11	<b>Photo #</b>	695	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	726297	<b>Outcrop:</b>		
<b>NW Northing:</b>	7504448	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726347	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504400	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	2 to 3	<b>Mid</b>	300	2
<b>Disturbance:</b>	low	<b>Lower</b>	70	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>		1		
<i>Acacia dictyophleba</i>		0.3		
<i>Acacia inaequilatera</i>		0.05		
<i>Acacia pachyacra</i>		0.1		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.5		
<i>Aristida holathera</i> var. <i>holathera</i>		4		
<i>Aristida inaequiglumis</i>	90	0.03		
<i>Boerhavia coccinea</i>		0.01		
<i>Bonamia rosea</i>		0.01		
<i>Cenchrus ciliaris</i>		0.05		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.2		
<i>Dicrastylis cordifolia</i>		0.03		
<i>Eragrostis eriopoda</i>		0.05		
<i>Eucalyptus gamophylla</i>		0.03		
<i>Euphorbia ?australis</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Gossypium australe</i>		0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.05		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.03		
<i>Indigofera monophylla</i>		0.03		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Ptilotus polystachyus</i>		2		
<i>Senna notabilis</i>		0.01		
<i>Sida</i> sp.		0.01		
<i>Solanum lasiophyllum</i>		0.01		
<i>Trianthema pilosa</i>		0.03		
<i>Tribulus macrocarpus</i>		0.01		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.01		
<i>Triodia ? basedowii</i>	70	25		
<i>Triodia basedowii</i>		30		





<b>Plot:</b>	A060	<b>Camera</b>	brons camera	
<b>Date:</b>	15.4.11	<b>Photo #</b>	697	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0555	lb0556
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	725297	<b>Outcrop:</b>		
<b>NW Northing:</b>	7504628	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	725347	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504579	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	500	1
<b>Time since fire (yrs):</b>	3 to 5	<b>Mid</b>	250	3
<b>Disturbance:</b>	low	<b>Lower</b>	50	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>				
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>			0.01	
<i>Acacia ancistrocarpa</i>			0.03	
<i>Acacia inaequilatera</i>			2	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			0.5	
<i>Aristida contorta</i>			0.01	
<i>Aristida holathera</i> var. <i>holathera</i>			0.03	
<i>Aristida inaequiglumis</i>			0.03	
<i>Atalaya hemiglauca</i>			0.01	
<i>Boerhavia coccinea</i>			0.01	
<i>Bonamia rosea</i>			3	
<i>Cenchrus ciliaris</i>			1	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>			0.05	
<i>Corymbia hamersleyana</i>			1	
<i>Cymbopogon obtectus</i>			0.03	
<i>Dicrasyllis cordifolia</i>			0.05	
<i>Dysphania rhadinostachya</i>			0.01	
<i>Eragrostis eriopoda</i>			0.02	
<i>Eriachne aristidea</i>			0.01	
<i>Eucalyptus gamophylla</i>			0.5	
<i>Euphorbia biconvexa</i>			0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>			0.01	
<i>Goodenia microptera</i>			0.01	
<i>Goodeniaceae</i> sp.	15		0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>			0.05	
<i>Indigofera monophylla</i>			0.01	
<i>Ptilotus astrolasius</i>			0.5	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>			0.03	
<i>Ptilotus obovatus</i>			0.02	
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>			0.03	
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>			0.01	
<i>Senna notabilis</i>			0.01	
<i>Sida</i> sp.			0.01	
<i>Sporobolus australasicus</i>			0.01	
<i>Trianthema pilosa</i>			0.03	
<i>Tribulus macrocarpus</i>			0.01	
<i>Triodia basedowii</i>			25	





<b>Plot:</b>	A061	<b>Camera</b>	brons camera	
<b>Date:</b>	15.4.11	<b>Photo #</b>	700	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0672	lb0673
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	724597	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505461	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	724645	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505410	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	400	1
<b>Time since fire (yrs):</b>	3 to 5	<b>Mid</b>	250	3
<b>Disturbance:</b>	low	<b>Lower</b>	50	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia adsurgens</i>	50	0.01		
<i>Acacia ancistrocarpa</i>		0.05		
<i>Acacia aneura</i>		1		
<i>Acacia inaequilatera</i>		3		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.3		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.1		
<i>Anthobolus leptomerioides</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.01		
<i>Aristida inaequiglumis</i>		0.02		
<i>Bonamia rosea</i>		2		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.05		
<i>Dicrastylis cordifolia</i>		0.3		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eucalyptus gamophylla</i>		0.5		
<i>Euphorbia alsiniflora</i>		0.01		
<i>Euphorbia boophthona</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Goodenia microptera</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		1		
<i>Indigofera monophylla</i>		0.01		
<i>Petalostylis labicheoides</i>		3		
<i>Poaceae</i> sp.		0.01		
<i>Ptilotus astrolasius</i>		0.03		
<i>Ptilotus polystachyus</i>		0.1		
<i>Rhyncharrhena linearis</i>		0.03		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		1		
<i>Sida</i> sp.		0.01		
<i>Solanum lasiophyllum</i>		0.01		
<i>Triodia basedowii</i>		15		



<b>Plot:</b>	A062	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	702	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0190	lb0191
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	748983	<b>Outcrop:</b>		
<b>NW Northing:</b>	7482014	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	749034	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7481966	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	3 to 5	<b>Mid</b>	250	2
<b>Disturbance:</b>	low	<b>Lower</b>	150	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia pachyacra</i>		0.3		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.05		
<i>Acacia tumida</i> var. <i>pilbarensis</i>		0.03		
<i>Aristida holathera</i> var. <i>holathera</i>		0.3		
<i>Bonamia rosea</i>		0.05		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03		
<i>Corymbia hamersleyana</i>		0.5		
<i>Dicrastylis cordifolia</i>		0.1		
<i>Eragrostis eriopoda</i>		0.1		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.05		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.05		
<i>Petalostylis labicheoides</i>		0.05		
<i>Poaceae</i> sp.		0.03		
<i>Ptilotus polystachyus</i>		0.01		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.03		
<i>Sida</i> sp.		0.02		
<i>Trianthema pilosa</i>		0.3		
<i>Triodia epactia</i>		0.05		
<i>Triodia schinzii</i>		35		





<b>Plot:</b>	A063	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	708	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0171	lb0172
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	749590	<b>Outcrop:</b>		
<b>NW Northing:</b>	7481723	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	749640	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7481673	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	2 to 3	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	60	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	boundary with			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>		0.03	
	<i>Acacia dictyophleba</i>		0.1	
	<i>Acacia pachyacra</i>		0.1	
	<i>Bonamia rosea</i>		0.03	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03	
	<i>Dicrastylis cordifolia</i>		0.1	
	<i>Eragrostis eriopoda</i>		1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.03	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		2	
	<i>Paraneurachne muelleri</i>		0.03	
	<i>Petalostylis labicheoides</i>		2	
	<i>Ptilotus astrolasius</i>		0.01	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.1	
	<i>Senna notabilis</i>		0.01	
	<i>Sida</i> sp.		0.05	
	<i>Trianthema pilosa</i>		0.3	
	<i>Triodia epactia</i>		15	
	<i>Triodia schinzii</i>		0.03	





<b>Plot:</b>	A064	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	710	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0504	lb0505
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	730829	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499988	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	730880	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499937	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	1
<b>Disturbance:</b>	low	<b>Lower</b>	50	25
<b>Condition:</b>		<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>		1		
<i>Acacia inaequilatera</i>		0.1		
<i>Acacia pachyacra</i>		0.05		
<i>Bonamia rosea</i>	30	0.03		
<i>Dicrastylis cordifolia</i>		0.03		
<i>Gossypium australe</i>		0.01		
<i>Ptilotus obovatus</i>		0.01		
<i>Triodia basedowii</i>		25		



<b>Plot:</b>	A065	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	712	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0511	lb0512
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	729618	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501233	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	729668	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501183	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	1
<b>Disturbance:</b>	low	<b>Lower</b>	50	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia pachyacra</i>		1		
<i>Acacia synchronicia</i>		0.1		
<i>Aristida contorta</i>		0.01		
<i>Bonamia rosea</i>		0.1		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01		
<i>Dicrastylis cordifolia</i>		0.03		
<i>Eriachne aristidea</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.02		
<i>Senna notabilis</i>		0.01		
<i>Trianthema pilosa</i>		0.01		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.01		
<i>Triodia basedowii</i>		0.01		
<i>Triodia basedowii</i>		35		



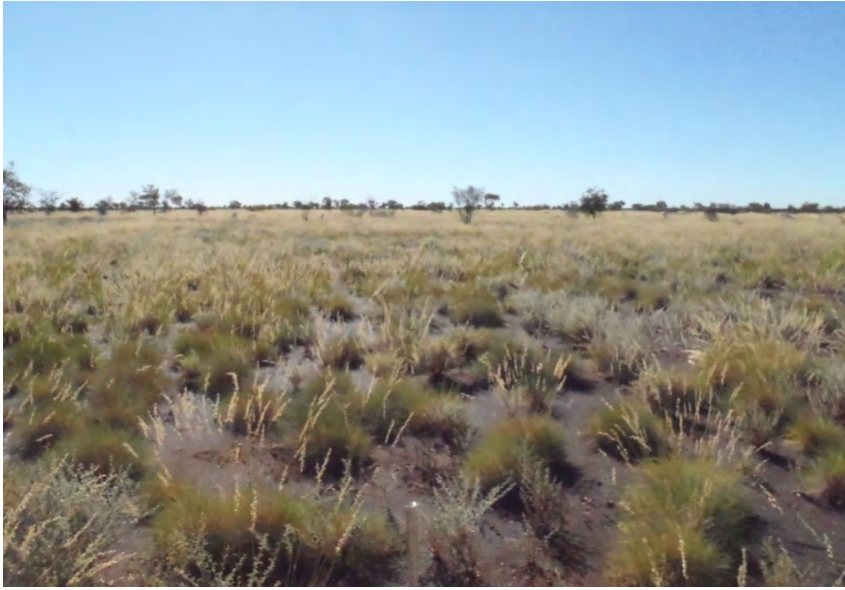


<b>Plot:</b>	A066	<b>Camera</b>		
<b>Date:</b>	16.4.11	<b>Photo #</b>	714	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0519	lb0510
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	729305	<b>Outcrop:</b>		
<b>NW Northing:</b>	7502117	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	729355	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502068	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>			3	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	4
<b>Disturbance:</b>	low	<b>Lower</b>	80	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>		1		
<i>Acacia citrinoviridis</i>		0.02		
<i>Acacia dictyophleba</i>		0.1		
<i>Acacia pachyacra</i>		3		
<i>Acacia synchronicia</i>		0.1		
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i> var. <i>holathera</i>		0.3		
<i>Aristida inaequiglumis</i>		0.01		
<i>Bonamia rosea</i>		0.05		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01		
<i>Cucumis maderaspatanus</i>		0.05		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eriachne aristidea</i>		0.01		
<i>Euphorbia alsiniflora</i>		0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.5		
<i>Indigofera monophylla</i>		0.02		
<i>Mollugo molluginea</i>		0.02		
<i>Paraneurachne muelleri</i>		0.03		
<i>Ptilotus polystachyus</i>		0.03		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.06		
<i>Senna notabilis</i>		0.01		
<i>Sida</i> sp.		0.01		
<i>Solanum lasiophyllum</i>		0.5		
<i>Trianthema pilosa</i>		0.03		
<i>Tribulus macrocarpus</i>		0.01		
<i>Trichodesma zeylanicum</i>		0.02		
<i>Triodia basedowii</i>		35		
<i>Triodia schinzii</i>		0.5		





<b>Plot:</b>	A067	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	716	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0532	lb0533
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	727732	<b>Outcrop:</b>		
<b>NW Northing:</b>	7502666	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	727782	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502617	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	2 to 3	<b>Mid</b>	300	1
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?sericophylla</i>		0.2		
<i>Acacia ancistrocarpa</i>		0.1		
<i>Acacia dictyophleba</i>		0.05		
<i>Acacia inaequilatera</i>		0.1		
<i>Acacia pachyacra</i>		0.05		
<i>Acacia sericophylla</i>		0.2		
<i>Aristida holathera</i> var. <i>holathera</i>		0.1		
<i>Aristida inaequiglumis</i>		1		
<i>Bonamia rosea</i>		4		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03		
<i>Dicrastylis cordifolia</i>		0.05		
<i>Eragrostis eriopoda</i>		0.03		
<i>Goodenia microptera</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1		
<i>Hybanthus aurantiacus</i>		0.01		
<i>Indigofera monophylla</i>		3		
<i>Paraneurachne muelleri</i>		0.1		
<i>Ptilotus astrolasius</i>		0.05		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03		
<i>Senna notabilis</i>		0.01		
<i>Trianthema pilosa</i>		0.03		
<i>Tribulus macrocarpus</i>		0.03		
<i>Triodia basedowii</i>		15		



<b>Plot:</b>	A068	<b>Camera</b>	brons camera	
<b>Date:</b>	17.4.11	<b>Photo #</b>	718	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>		BN / SC	<b>Photo # revisit</b>	lb0508   lb0509
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	737484	<b>Outcrop:</b>		
<b>NW Northing:</b>	7493933	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	737535	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493883	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	3	1	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	20
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	2
<b>Disturbance:</b>	high	<b>Lower</b>	40	15
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	65	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia citrinoviridis</i>		0.05		
<i>Acacia pruinocarpa</i>		15		
<i>Aerva javanica</i>		0.01		
<i>Atalaya hemiglauca</i>		5		
<i>Cenchrus ciliaris</i>		15		
<i>Eucalyptus victrix</i>	700			
<i>Hakea lorea</i> subsp. <i>lorea</i>		4		





<b>Plot:</b>	A069	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	720	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb463\	lb4634
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	739650	<b>Outcrop:</b>		
<b>NW Northing:</b>	7493472	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739700	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493422	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	7
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	60	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>		0.01		
<i>Acacia citrinoviridis</i>		0.05		
<i>Acacia inaequilatera</i>		0.1		
<i>Acacia pruinocarpa</i>		4		
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i> var. <i>holathera</i>		0.03		
<i>Boerhavia coccinea</i>		0.03		
<i>Bulbostylis barbata</i>		0.01		
<i>Cenchrus ciliaris</i>		3		
<i>Chrysopogon fallax</i>		0.03		
<i>Corymbia hamersleyana</i>		2		
<i>Cucumis maderaspatanus</i>		0.03		
<i>Enneapogon polyphyllus</i>		0.01		
<i>Eragrostis eriopoda</i>		0.05		
<i>Eriachne aristidea</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Gossypium australe</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.03		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.01		
<i>Indigofera linifolia</i>	15	0.01		
<i>Melhania oblongifolia</i>		0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Ptilotus helipteroides</i>		0.01		
<i>Senna notabilis</i>		0.05		
<i>Solanum lasiophyllum</i>		0.03		
<i>Sporobolus australasicus</i>		0.01		
<i>Tephrosia supina</i>		0.01		
<i>Trianthema pilosa</i>		0.03		
<i>Tribulus macrocarpus</i>		0.01		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.01		
<i>Triodia epactia</i>		12		
<i>Yakirra australiensis</i>		0.01		





<b>Plot:</b>	A070	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	722	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0262	lb0263
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	shallow drainage line some small s	
<b>NW Easting:</b>	743289	<b>Outcrop:</b>		
<b>NW Northing:</b>	7484475	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	473339	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484417	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	mic		3	15
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	500	5
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	20
<b>Disturbance:</b>	high	<b>Lower</b>	50	60
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		0.03		
<i>Acacia elachantha</i>		4		
<i>Acacia pyrifolia</i> var. ? <i>morrisonii</i>		10		
<i>Atalaya hemiglauca</i>		0.05		
<i>Boerhavia coccinea</i>		0.03		
<i>Cenchrus ciliaris</i>		20		
<i>Chrysopogon fallax</i>		0.1		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidioides</i> subsp. <i>sidioides</i>		0.03		
<i>Corymbia hamersleyana</i>		5		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Enneapogon polyphyllus</i>		0.01		
<i>Eremophila longifolia</i>		0.03		
<i>Eriachne helmsii</i>		1		
<i>Euphorbia ?australis</i>		0.01		
<i>Gossypium robinsonii</i>		0.1		
<i>Heliotropium tenuifolium</i>		0.01		
<i>Indigofera monophylla</i>		0.03		
<i>Portulaca oleracea</i>		0.01		
<i>Pterocaulon serrulatum</i>		0.01		
<i>Rhynchosia minima</i>		0.01		
<i>Themeda triandra</i>	80	0.03		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.01		
<i>Triodia epactia</i>		2		

stones



<b>Plot:</b>	A071	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	724	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0546	lb0547
<b>Initials revisit:</b>	SC / LB	<b>Soil:</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	726685	<b>Outcrop:</b>		
<b>NW Northing:</b>	7503581	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726734	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7503532	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	2 to 3	<b>Mid</b>	300	2
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
? <i>Bonamia</i> sp.	10	0.01		
<i>Acacia ancistrocarpa</i>		0.02		
<i>Acacia inaequilatera</i>		0.05		
<i>Acacia tetragonophylla</i>		0.01		
<i>Aristida contorta</i>		0.01		
<i>Aristida holathera</i> var. <i>holathera</i>		0.03		
<i>Aristida inaequiglumis</i>		0.01		
<i>Bonamia rosea</i>		3		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		2		
<i>Dicrasyllis cordifolia</i>		0.05		
<i>Eragrostis eriopoda</i>		0.05		
<i>Eriachne aristidea</i>		0.01		
<i>Eucalyptus gamophylla</i>		2		
<i>Goodenia microptera</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		1		
<i>Indigofera monophylla</i>		0.03		
<i>Paraneurachne muelleri</i>		0.01		
<i>Ptilotus astrolasius</i>		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Ptilotus obovatus</i>		0.01		
<i>Ptilotus polystachyus</i>		0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.01		
<i>Sida</i> sp.		0.3		
<i>Trianthema pilosa</i>		0.01		
<i>Tribulus macrocarpus</i>		0.01		
<i>Triodia basedowii</i>		15		





<b>Plot:</b>	A072	<b>Camera</b>	brons camera	
<b>Date:</b>	16.4.11	<b>Photo #</b>	726	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0675	lb0676
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	sand loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	723793	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505745	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	723841	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505693	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	2 to 3	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	50	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>		0.03		
<i>Acacia inaequilatera</i>		2		
<i>Anthobolus leptomerioides</i>		0.03		
<i>Bonamia rosea</i>		3		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03		
<i>Corymbia hamersleyana</i>		0.5		
<i>Dicrastylis cordifolia</i>		0.05		
<i>Enneapogon polyphyllus</i>		0.01		
<i>Eragrostis eriopoda</i>		0.03		
<i>Eucalyptus gamophylla</i>		4		
<i>Goodenia microptera</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1		
<i>Indigofera monophylla</i>		0.1		
<i>Paraneurachne muelleri</i>		0.03		
<i>Petalostylis labicheoides</i>		2		
<i>Ptilotus astrolasius</i>		0.2		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.03		
<i>Ptilotus polystachyus</i>		0.01		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.1		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.05		
<i>Sida</i> sp.		0.03		
<i>Triodia basedowii</i>		20		





<b>Plot:</b>	A073	<b>Camera</b>	brons camera	
<b>Date:</b>	19.4.11	<b>Photo #</b>	729	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	loamy clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	orange brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	surface gravel	
<b>NW Easting:</b>	743612	<b>Outcrop:</b>		
<b>NW Northing:</b>	7502613	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743663	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502562	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	500	1
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	250	1
<b>Disturbance:</b>	low	<b>Lower</b>	30	3
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	96	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia synchronicia</i>		1		
<i>Acacia xiphophylla</i>		1		
<i>Cleome viscosa</i>		0.01		
<i>Dactyloctenium radulans</i>		0.01		
<i>Dysphania</i> sp.		0.01		
<i>Enneapogon polyphyllus</i>		0.01		
<i>Goodenia prostrata</i>		1		
<i>Heliotropium inexplicitum</i>	pr	0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Salsola australis</i>		1		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Solanum lasiophyllum</i>		0.03		
<i>Sporobolus australasicus</i>		0.01		
<i>Tribulus macrocarpus</i>		0.01		



<b>Plot:</b>	A074	<b>Camera</b>	brons camera	
<b>Date:</b>	19.4.11	<b>Photo #</b>	731	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744549	<b>Outcrop:</b>		
<b>NW Northing:</b>	7502323	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744602	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502273	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	5	5	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	35
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	1
<b>Disturbance:</b>	moderate	<b>Lower</b>	25	8
<b>Condition:</b>	good	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>		0.3		
<i>Acacia aneura</i>		35		
<i>Bidens bipinnata</i>		5		
<i>Blumea tenella</i>	7	0.01		
<i>Boerhavia coccinea</i>		0.03		
<i>Brachyscome</i> sp.	15	0.01		
<i>Bulbostylis barbata</i>		0.1		
<i>Bulbostylis barbata</i>		0.01		
<i>Cenchrus ciliaris</i>		0.01		
<i>Cleome viscosa</i>		0.01		
<i>Cucumis maderaspatanus</i>		0.05		
<i>Enteropogon ramosus</i>		0.01		
<i>Eragrostis eriopoda</i>		0.01		
<i>Eremophila lanceolata</i>		0.01		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Goodenia prostrata</i>		0.01		
<i>Ipomoea muelleri</i>		0.01		
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	25	0.01		
<i>Perotis rara</i>		0.1		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Psyrax latifolia</i>		0.1		
<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>	35	0.01		
<i>Ptilotus polystachyus</i>		0.01		
<i>Senna notabilis</i>		0.01		
<i>Solanum lasiophyllum</i>		0.01		
<i>Spermacece brachystema</i>	10	0.01		
<i>Sporobolus australasicus</i>		0.1		
<i>Streptoglossa</i> sp.		0.01		





<b>Plot:</b>	A075	<b>Camera</b>	brons camera	
<b>Date:</b>	19.4.11	<b>Photo #</b>	733	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	clay loams	
<b>Zone:</b>		<b>Soil colour:</b>	red brown	
<b>Datum:</b>		<b>Soil comments:</b>	some gravel	
<b>NW Easting:</b>	743148	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501775	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743199	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501726	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	5
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	15
<b>Disturbance:</b>	high	<b>Lower</b>	50	25
<b>Condition:</b>	poor - good	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		5		
<i>Acacia synchronicia</i>		5		
<i>Acacia tetragonophylla</i>		5		
<i>Acacia xiphophylla</i>		3		
<i>Blumea tenella</i>		0.01		
<i>Boerhavia coccinea</i>		0.01		
<i>Cenchrus ciliaris</i>		15		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus tridens</i>		0.2		
<i>Duperreya commixta</i>		0.03		
<i>Dysphania</i> sp.		0.01		
<i>Enteropogon ramosus</i>		0.01		
<i>Eragrostis eriopoda</i>		1		
<i>Eriachne benthamii</i>		0.01		
<i>Eulalia aurea</i>		0.01		
<i>Euphorbia ?australis</i>		0.01		
<i>Malvastrum americanum</i>		1		
<i>Portulaca oleracea</i>		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01		
<i>Ptilotus obovatus</i>		0.3		
<i>Salsola australis</i>		3		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Senna glutinosa</i> subsp. <i>chatelainiana</i>		0.05		
<i>Senna notabilis</i>		0.02		
<i>Sida fibulifera</i>		0.01		
<i>Solanum lasiophyllum</i>		0.03		
<i>Sporobolus australasicus</i>		1		
<i>Streptoglossa</i> sp.		1		
<i>Vachellia farnesiana</i>		1		





<b>Plot:</b>	A076	<b>Camera</b>	brons camera	
<b>Date:</b>	19.411	<b>Photo #</b>	7356	736
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>		
<b>Initials:</b>	bn	<b>Photo # revisit</b>		
<b>Initials revisit:</b>		<b>Soils</b>	clay loams	
<b>Zone:</b>		<b>Soil colour:</b>	red brown	
<b>Datum:</b>		<b>Soil comments:</b>		
<b>NW Easting:</b>	743825	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501238	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	7743875	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501185	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	5	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	30
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	200	10
<b>Disturbance:</b>	moderate	<b>Lower</b>	50	10
<b>Condition:</b>	good	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>		0.05		
<i>Abutilon lepidum</i>	50	0.01		
<i>Acacia aneura</i>		30		
<i>Acacia synchronicia</i>		0.1		
<i>Acacia tetragonophylla</i>		0.3		
<i>Blumea tenella</i>		0.01		
<i>Cenchrus ciliaris</i>		2		
<i>Chrysopogon fallax</i>		5		
<i>Cleome viscosa</i>		0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01		
<i>Corchorus tridens</i>		0.05		
<i>Cucumis maderaspatanus</i>		0.05		
<i>Duperreya commixta</i>		0.05		
<i>Enteropogon ramosus</i>		0.01		
<i>Eragrostis setifolia</i>		0.01		
<i>Eremophila lanceolata</i>		0.03		
<i>Eulalia aurea</i>		0.05		
<i>Euphorbia ?australis</i>		0.01		
<i>Euphorbia alsiniflora</i>		0.01		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.01		
<i>Goodenia nuda</i>	35	0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.05		
<i>Ipomoea muelleri</i>		0.03		
<i>Maireana planifolia</i>	65	0.03		
<i>Malvastrum americanum</i>		0.1		
<i>Portulaca oleracea</i>		0.01		
<i>Pterocaulon</i> sp.		0.01		
<i>Ptilotus gomphrenoides</i>		0.01		
<i>Ptilotus obovatus</i>		0.03		
<i>Rostellularia adscendens</i> var. <i>clementii</i>	25	0.01		
<i>Senna notabilis</i>		2		
<i>Spermacoce brachystema</i>		0.01		
<i>Sporobolus australasicus</i>		0.05		
<i>Streptoglossa</i> sp.		0.01		
<i>Yakirra australiensis</i>		0.01		



<b>Plot:</b>	A077	<b>Camera</b>	brons camera	
<b>Date:</b>	19.4.11	<b>Photo #</b>	737	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0132	lb0133
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	742038	<b>Outcrop:</b>		
<b>NW Northing:</b>	7500105	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742089	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500056	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	5	3	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	30
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	5
<b>Disturbance:</b>	moderate	<b>Lower</b>	100	10
<b>Condition:</b>	good	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		20		
<i>Acacia aneura</i>		7		
<i>Acacia synchronicia</i>				
<i>Acacia tetragonophylla</i>		0.1		
<i>Cenchrus ciliaris</i>		1		
<i>Cenchrus ciliaris</i>		0.01		
<i>Chrysopogon fallax</i>		8		
<i>Corchorus tridens</i>		0.03		
<i>Dactyloctenium radulans</i>		0.01		
<i>Enchylaena tomentosa</i>		0.03		
<i>Enneapogon polyphyllus</i>		0.01		
<i>Enteropogon ramosus</i>		0.01		
<i>Eragrostis setifolia</i>		0.05		
<i>Eremophila forrestii</i>		0.03		
<i>Eremophila lanceolata</i>		0.1		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1		
<i>Perotis rara</i>		0.2		
<i>Psydrax latifolia</i>		0.1		
<i>Ptilotus obovatus</i>		0.03		
<i>Senna notabilis</i>		0.03		
<i>Sporobolus australasicus</i>		0.1		





<b>Plot:</b>	A078	<b>Camera</b>	brons camera	
<b>Date:</b>	19.4.11	<b>Photo #</b>	739	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	BN / SC	<b>Photo # revisit</b>	lb0137	lb0138
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	gravel and rocks present	
<b>NW Easting:</b>	740998	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499934	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741048	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499885	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.1	0.01
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	250	1
<b>Disturbance:</b>	moderate	<b>Lower</b>	50	2
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	98	
<b>Observations</b>				
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia pachyacra</i>			0.1	
<i>Acacia pruinocarpa</i>			0.05	
<i>Acacia synchronicia</i>			0.7	
<i>Boerhavia coccinea</i>			0.03	
<i>Cenchrus ciliaris</i>			1	
<i>Cleome viscosa</i>			0.05	
<i>Dysphania</i> sp.			0.01	
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>			0.01	
<i>Euphorbia ?australis</i>			0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>			0.01	
<i>Heliotropium inexplicitum</i>			0.01	
<i>Portulaca oleracea</i>			0.01	
<i>Ptilotus obovatus</i>			0.01	
<i>Salsola australis</i>			0.05	
<i>Sclerolaena cornishiana</i>			0.01	
<i>Senna notabilis</i>			0.03	
<i>Solanum lasiophyllum</i>			0.03	
<i>Sporobolus australasicus</i>			0.01	
<i>Tribulus macrocarpus</i>			0.01	
<i>Triodia epactia</i>			0.02	



<b>Plot:</b>	A079	<b>Camera</b>	brons camera	
<b>Date:</b>	20.4.11	<b>Photo #</b>	741	742
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0161	lb0162
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	738755	<b>Outcrop:</b>		
<b>NW Northing:</b>	7497085	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	738808	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497035	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	2	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	10
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	300	4
<b>Disturbance:</b>	high	<b>Lower</b>	50	20
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		7		
<i>Acacia citrinoviridis</i>		1		
<i>Acacia inaequilatera</i>		1		
<i>Acacia pruinocarpa</i>		3		
<i>Acacia synchronicia</i>		1		
<i>Cenchrus ciliaris</i>		20		
<i>Cleome viscosa</i>		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1		
<i>Portulaca oleracea</i>		0.01		
<i>Salsola australis</i>		0.03		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03		
<i>Senna notabilis</i>		0.01		
<i>Solanum lasiophyllum</i>		0.01		
<i>Sporobolus australasicus</i>		0.03		
<i>Triodia epactia</i>		0.03		





<b>Plot:</b>	A080	<b>Camera</b>	brons camera	
<b>Date:</b>	20.4.11	<b>Photo #</b>	745	746
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	b0159/	b01590
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loamS	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	739500	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496999	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739550	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496950	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	2	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	10
<b>Disturbance:</b>	high	<b>Lower</b>	60	35
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	55	
<b>Observations</b>	many standing			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>		0.01		
<i>Acacia aneura</i>		5		
<i>Acacia synchronicia</i>		7		
<i>Cenchrus ciliaris</i>		25		
<i>Chrysopogon fallax</i>		1		
<i>Dysphania rhadinostachya</i>		0.03		
<i>Euphorbia</i> sp.		0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.3		
<i>Senna notabilis</i>		0.01		
<i>Triodia epactia</i>		10		



<b>Plot:</b>	A081	<b>Camera</b>	brons camera	
<b>Date:</b>	20.4.11	<b>Photo #</b>	747	
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0157	lb0158
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	740072	<b>Outcrop:</b>		
<b>NW Northing:</b>	7496303	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740121	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496255	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	4	1	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	1
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	500	10
<b>Disturbance:</b>	high	<b>Lower</b>	50	25
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	60	
<b>Observations</b>	head of small drainage line			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia citrinoviridis</i>		7		
<i>Acacia dictyophleba</i>		0.1		
<i>Acacia inaequilatera</i>		0.03		
<i>Acacia pruinocarpa</i>		4		
<i>Acacia synchronicia</i>		0.3		
<i>Acacia tetragonophylla</i>		0.1		
<i>Aerva javanica</i>		0.01		
<i>Atalaya hemiglauca</i>		0.5		
<i>Cenchrus ciliaris</i>		20		
<i>Corymbia hamersleyana</i>		0.5		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.02		
<i>Salsola australis</i>		0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>		0.01		
<i>Senna notabilis</i>		0.01		
<i>Tribulus astrocarpus</i>		0.01		
<i>Triodia epactia</i>		3		



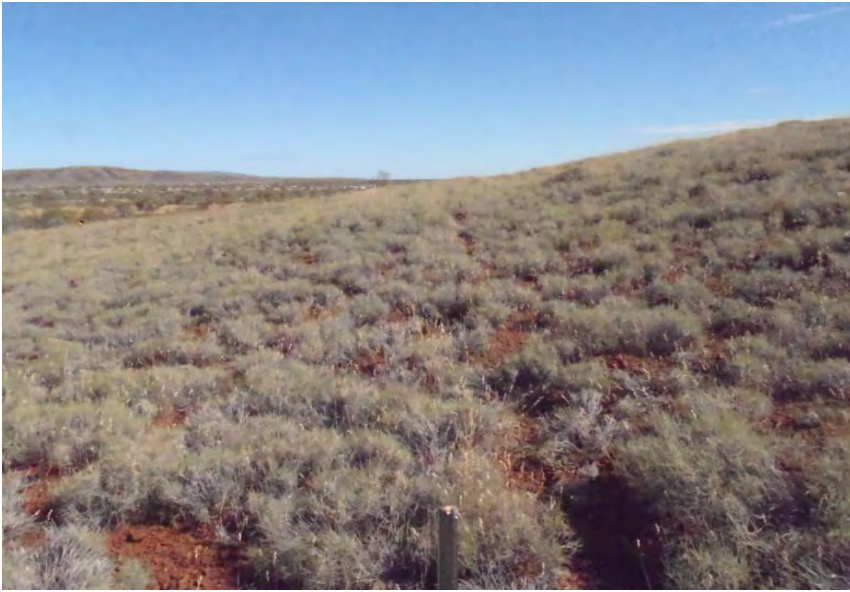
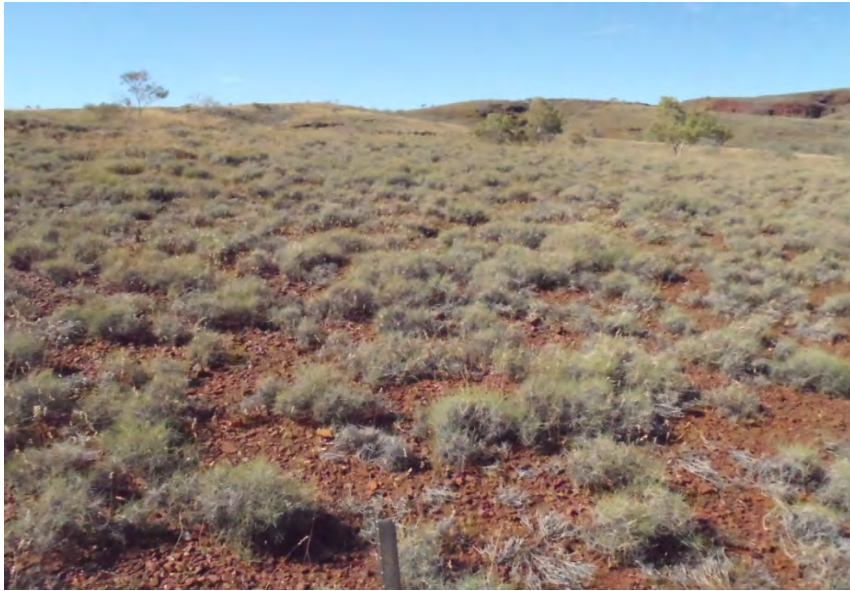


<b>Plot:</b>	A082	<b>Camera</b>	brons camera	
<b>Date:</b>	20.4.11	<b>Photo #</b>	750	749
<b>Date revisit:</b>	1/07/2011	<b>Camera revisit</b>	Lisa Bannister	
<b>Initials:</b>	bn	<b>Photo # revisit</b>	lb0155	lb0156
<b>Initials revisit:</b>	SC / LB	<b>Soils</b>	clay loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	741192	<b>Outcrop:</b>		
<b>NW Northing:</b>	7495783	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741242	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495733	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	slight depression	1	5	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	8
<b>Time since fire (yrs):</b>	>5	<b>Mid</b>	400	10
<b>Disturbance:</b>	high	<b>Lower</b>	50	10
<b>Condition:</b>	poor	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia aneura</i>		2		
<i>Acacia citrinoviridis</i>		8		
<i>Acacia synchronicia</i>		3		
<i>Acacia tetragonophylla</i>		0.05		
<i>Aerva javanica</i>		0.03		
<i>Aristida contorta</i>		0.03		
<i>Boerhavia coccinea</i>		0.03		
<i>Cenchrus ciliaris</i>		8		
<i>Cenchrus ciliaris</i>		0.01		
<i>Cleome viscosa</i>		0.05		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01		
<i>Corymbia hamersleyana</i>		5		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Enneapogon robustissimus</i>	25	0.01		
<i>Eulalia aurea</i>		0.01		
<i>Euphorbia ?australis</i>		0.01		
<i>Gomphrena cunninghamii</i>		0.03		
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.3		
<i>Polycarpaea corymbosa</i>		0.01		
<i>Portulaca oleracea</i>		0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.03		
<i>Ptilotus helipteroides</i>		0.01		
<i>Ptilotus obovatus</i>		0.03		
<i>Salsola australis</i>		0.05		
<i>Sclerolaena cornishiana</i>		2		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>		0.01		
<i>Sida cardiophylla</i>		0.01		
<i>Solanum lasiophyllum</i>		0.01		
<i>Sporobolus australasicus</i>		0.01		
<i>Triodia epactia</i>		2		



<b>Plot:</b>	B001	<b>Camera</b>	bronwyns cam	
<b>Date:</b>	40631	<b>Photo #</b>	1046	1047
<b>Date Revisit:</b>	7/07/2011	<b>Camera Revisit</b>	Floora's camera	
<b>Initials:</b>	jl fw	<b>Photo # Revisit</b>	3071	3072
<b>Initial Revisit:</b>	FW / PM	<b>Soils</b>	rocky	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>	rocky outcrop, skeletal soils	
<b>NW Easting:</b>	744145	<b>Outcrop:</b>	ironstone	
<b>NW Northing:</b>	7484483	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744197	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484433	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	lower slope	0	0	1
<b>Aspect:</b>	western	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	5-15 degrees	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	1
<b>Disturbance:</b>	low	<b>Lower</b>	50	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia pachyacra</i>	200	0.1	
	<i>Fimbristylis simulans</i>	10	2	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	200	0.2	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	0.05	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	110	0.05	
	<i>Trianthema glossostigma</i>			
	<i>Tribulus suberosus</i>	150	0.1	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen	40	35	





<b>Plot:</b>	B002	<b>Camera</b>	bronwyns cam	
<b>Date:</b>	29-Mar	<b>Photo #</b>	1048	1049
<b>Date Revisit:</b>	7/07/2011	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials:</b>	jl fw	<b>Photo # Revisit:</b>	3070	
<b>Initials Revisit:</b>	FW / PM	<b>Soils</b>	red brown loams	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA94	<b>Soil comments:</b>		
<b>NW Easting:</b>	744082	<b>Outcrop:</b>	na	
<b>NW Northing:</b>	7484437	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744130	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484410	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	minor channel		3	7
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	6	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	4	8
<b>Disturbance:</b>	low	<b>Lower</b>	1	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>	creekline is roughly 20m wide			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	20	0.03	
	<i>Acacia bivenosa</i>	250	1	
	<i>Acacia pachyacra</i>	80	0.04	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	400	10	
	<i>Aristida holathera</i> var. <i>holathera</i>	50	0.2	
	<i>Bonamia rosea</i>	25	0.03	
	<i>Cleome viscosa</i>	40	0.3	
	<i>Corchorus lasiocarpus</i> subsp. ? <i>lasiocarpus</i>		0.02	
	<i>Corymbia hamersleyana</i>	800	4	
	<i>Cucumis maderaspatanus</i>			
	<i>Dampiera candidans</i>		0.2	
	<i>Eremophila longifolia</i>	200	6	
	<i>Eriachne mucronata</i>	100	1	
	<i>Euphorbia</i> ? <i>australis</i>	10	0.03	
	<i>Gossypium australe</i>		0.3	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		2	
	<i>Hybanthus aurantiacus</i>	50	0.2	
	<i>Jasminum didymum</i> subsp. <i>lineare</i>	50	0.02	
	<i>Paraneurachne muelleri</i>	120	0.1	
	<i>Paspalidium rarum</i>	30	0.1	
	<i>Petalostylis cassioides</i>		0.5	
	<i>Polycarpaea longiflora</i>	20		
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	120	0.3	
	<i>Senna notabilis</i>		0.1	
	<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	70	0.2	
	<i>Sida</i> sp. spiciform panicles (E. Leyland s.r	30	0.02	
	<i>Tephrosia densa</i>		0.03	
	<i>Trachymene oleracea</i> subsp. <i>oleracea</i>		0.05	
	<i>Trichodesma zeylanicum</i>	25	0.1	
	<i>Triodia epactia</i>	100	30	
	<i>Wahlenbergia tumidifruca</i>		0.02	



<b>Plot:</b>	B003	<b>Corner</b>	nw	se
<b>Date:</b>	29-Mar	<b>Camera</b>	jess' cam	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	1542	1543
<b>Initials:</b>	jl fw	<b>Camera Revisit</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3069	
<b>Zone:</b>	50	<b>Soils</b>	red brownly loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	reddy brown	
<b>NW Easting:</b>	744543	<b>Soil comments:</b>	rocky	
<b>NW Northing:</b>	7484487	<b>Outcrop:</b>	ironstone	
<b>SE Easting:</b>	744597	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484432	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	upperslope			1
<b>Aspect:</b>	east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	gentle slope with gully	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	2	6
<b>Disturbance:</b>	low	<b>Lower</b>	0.3	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>	creepline running through the centre			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia bivenosa</i>	200	7	
	<i>Calytrix carinata</i>		0.05	
	<i>Eriachne mucronata</i>	30	5	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	10	0.01	
	<i>Eucalyptus leucophloia</i>	700	3	
	<i>Euphorbia ?australis</i>	1	0.02	
	<i>Fimbristylis simulans</i>	8	1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	170	0.01	
	<i>Ptilotus calostachyus</i>	40	0.01	
	<i>Ptilotus obovatus</i>	160	0.05	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	100	0.15	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	70	0.01	
	<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	60	0.02	
	<i>Tribulus suberosus</i>	100	0.02	
	<i>Triodia epactia</i>	80	10	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3)	30	25	





<b>Plot:</b>	B004	<b>Corner</b>	nw	se
<b>Date:</b>	29-Mar	<b>Camera</b>	jess' camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	1544	1545
<b>Initials:</b>	jl fw	<b>Camera Revisit</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit</b>	3068	
<b>Zone:</b>	50	<b>Soils</b>	red brown loam and sands	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744675	<b>Soil comments:</b>	intermittent loam with	
<b>NW Northing:</b>	7484565	<b>Outcrop:</b>	ironstone	
<b>SE Easting:</b>	744724	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484512	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	lower slope			
<b>Aspect:</b>	north	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	gentle	<b>Upper</b>		
<b>Time since fire (yrs):</b>	pluss 5	<b>Mid</b>	200	5
<b>Disturbance:</b>	low	<b>Lower</b>	30	30
<b>Condition:</b>		<b>Bare ground (%):</b>		
<b>Observations</b>	lots of grevillea wick seedlings			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	60	2	
	<i>Acacia sericophylla</i>	170	0.2	
	<i>Calytrix carinata</i>	60	1.4	
	<i>Corchorus lasiocarpus</i> ?subsp. <i>parvus</i>	70	0.5	
	<i>Dampiera candidans</i>	40	5	
	<i>Dicrastylis cordifolia</i>	50	1	
	<i>Eragrostis eriopoda</i>		0.02	
	<i>Eucalyptus leucophloia</i>	40	1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	180	10	
	<i>Heliotropium tenuifolium</i>	20	0.2	
	<i>Heliotropium tenuifolium</i>		0.1	
	<i>Hybanthus aurantiacus</i>	30	0.1	
	<i>Keraudrenia nephrosperma</i>	50	0.02	
	<i>Paraneurachne muelleri</i>	50	0.3	
	<i>Petalostylis cassioides</i>	80	0.4	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Ptilotus astrolasius</i>	20	0.05	
	<i>Ptilotus calostachyus</i>	40	0.01	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	20	0.15	
	<i>Solanum lasiophyllum</i>		0.01	
	<i>Trianthema pilosa</i>	5	0.01	
	<i>Triodia epactia</i>	100	5	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 383)	30	15	



<b>Plot:</b>	B005	<b>Corner</b>	nw	se
<b>Date:</b>	30-Mar	<b>Camera</b>	jess' camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	1551	1552
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3076	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744188	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485269	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744238	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485219	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flats	0	1	4
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	4
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	250	15
<b>Disturbance:</b>	medium	<b>Lower</b>	50	
<b>Condition:</b>	very good - excellent	<b>Bare ground (%):</b>	18	
<b>Observations</b>	cattle,flowline			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	Acacia dictyophleba	240	5	
	Acacia inaequilatera		0.5	
	Acacia pachyacra	240	0.5	
	Acacia pruinocarpa	240	0.2	
	Acacia pyrifolia var. pyrifolia	400	1	
	Acacia sclerosperma subsp. sclerosperma	220	6	
	Acacia sclerosperma subsp. sclerosperma	300	1	
	<i>Aristida hygrometrica</i>		0.05	
	Boerhavia coccinea		0.04	
	Bulbostylis barbata	3	0.01	
	Cenchrus ciliaris	50	3	
*	Cenchrus setiger	80	0.05	
*	Corymbia hamersleyana	600	5	
	Eragrostis eriopoda		1	
	Eriachne aristidea	20	0.01	
	Eriachne mucronata	40	1	
	Euphorbia ?australis	10	0.02	
	Gossypium australe	50	0.5	
	Gossypium robinsonii	200	0.3	
	Paraneurachne muelleri	70	0.1	
	Petalostylis cassioides	220	0.7	
	Polymeria ambigua		0.01	
	Salsola australis		0.01	
	Senna artemisioides subsp. helmsii		0.1	
	<i>Senna artemisioides subsp. oligophylla</i>		0.04	
	Senna glutinosa subsp. pruinosa	40	0.4	
	Senna notabilis	25	0.2	
	Solanum lasiophyllum	40	0.1	
	Themeda triandra	120	0.02	
	Trianthema pilosa	5	0.02	
	Tribulus suberosus	20	0.1	
	Triodia epactia	60	10	





<b>Plot:</b>	B006	<b>Corner</b>	nw	se
<b>Date:</b>	30-Mar	<b>Camera</b>	jess' camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	1555	1556
<b>Initials:</b>	jl fw	<b>Camera Revisit</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3077	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744455	<b>Soil comments:</b>		
<b>NW Northing:</b>	7486008	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744507	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485958	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	1
<b>Time since fire (yrs):</b>	5 plus	<b>Mid</b>	200	5
<b>Disturbance:</b>	medium	<b>Lower</b>	50	30
<b>Condition:</b>	very good - excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	some old burnt logs present, cattle. creekline, same as b5			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	Acacia ?trudgeniana	100	0.1	
	Acacia dictyophleba	200	0.15	
	Acacia pachyacra	150	0.5	
	Acacia pruinocarpa	30	0.02	
	Acacia pyrifolia var. pyrifolia	240	3	
	Acacia sclerosperma subsp. sclerosperma	180	2.5	
	Acacia tetragonophylla	50	0.04	
	Acacia tumida var. pilbarensis	80	0.5	
	Aristida holathera var. holathera	60	0.02	
	<i>Aristida hygrometrica</i>		0.1	
	Atalaya hemiglauca	160	0.2	
	Boerhavia coccinea	20	0.02	
	Bulbostylis barbata	3	0.01	
	Cenchrus ciliaris	40	1	
*	Cenchrus setiger	80	0.01	
*	Corchorus sidoides subsp. sidoides	80	0.2	
	Corymbia hamersleyana	700	2	
	Crotalaria medicaginea var. neglecta	30	0.01	
	Eragrostis eriopoda		3	
	<i>Eriachne mucronata</i>	40	3	
	Gomphrena affinis subsp. pilbarensis		0.01	
	Gossypium australe	100	0.6	
	Gossypium robinsonii	220	0.1	
	Paraneurachne muelleri	50	0.02	
	Senna artemisioides subsp. oligophylla		0.04	
	Senna notabilis	30	0.06	
	Solanum lasiophyllum	40	0.1	
	Tephrosia rosea var. glabrior		0.02	
	Themeda triandra	100	0.1	
	Trianthema pilosa	4	0.05	
	Tribulus suberosus	20	0.1	
	Triodia epactia	49	15	



<b>Plot:</b>	B007	<b>Corner</b>	nw	se
<b>Date:</b>	30-Mar	<b>Camera</b>	jess' camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	1557	1558
<b>Initials:</b>	jl fw	<b>Soils</b>	sandy loam	
<b>Initials Revisit:</b>	FW / PM	<b>Camera Revisit:</b>	Floora's camera	
<b>Zone:</b>	50	<b>Photo # Revisit:</b>	3078	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744755	<b>Soil comments:</b>	some creek rocks present	
<b>NW Northing:</b>	7486482	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744798	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486430	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0	1	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	6
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	180	3
<b>Disturbance:</b>	medium	<b>Lower</b>	80	25
<b>Condition:</b>	very good - excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	Acacia ancistrocarpa	120	0.4	
	Acacia dictyophleba		0.04	
	Acacia pruinocarpa	100	0.1	
	Acacia pyrifolia var. pyrifolia	80	3	
	Acacia tumida var. pilbarensis		0.02	
	Aristida holathera var. holathera	50	0.1	
	Boerhavia coccinea		0.1	
	Bulbostylis barbata	3	0.01	
	Cenchrus ciliaris	40	0.4	
*	Cenchrus setiger	60	0.02	
*	Chrysopogon fallax	140	0.1	
	Corchorus sidoides subsp. sidoides	30	0.1	
	Corymbia hamersleyana	700	5	
	Enneapogon polyphyllus	30	0.03	
	<i>Eragrostis eriopoda</i>		4	
	<i>Eragrostis eriopoda</i>	40	0.5	
	Eriachne aristidea	15	0.05	
	<i>Eriachne mucronata</i>	40	4	
	Euphorbia ?australis	10	0.03	
	Gossypium australe	40	0.4	
	Indigofera monophylla	30	0.02	
	Paraneurachne muelleri	60	0.02	
	Paraneurachne muelleri	30	0.01	
	Perotis rara	10	0.01	
	Portulaca oleracea	3	0.01	
*	Ptilotus astrolasius		0.02	
	Santalum ?lanceolatum		0.02	
	Senna artemisioides subsp. helmsii	70	0.06	
	Senna notabilis	30	0.02	
	Solanum lasiophyllum	30	0.01	
	Tephrosia rosea var. glabrior	60	0.05	
	Themeda triandra	100	0.02	
	Trianthema pilosa	5	0.04	
	Triodia epactia	100	25	
	Triodia epactia	130	1	





<b>Plot:</b>	B008	<b>Corner</b>	nw	se
<b>Date:</b>	30-Mar	<b>Camera</b>	jess' camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	1559	1560
<b>Initials:</b>	jl fw	<b>Camera Revisit</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3106	
<b>Zone:</b>	50	<b>Soils</b>	loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742102	<b>Soil comments:</b>		
<b>NW Northing:</b>	7487964	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742152	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7487914	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	300	1
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	3
<b>Disturbance:</b>	low	<b>Lower</b>	80	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>	acacia 4 flowers seen outside plot			
*	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>		0.5	
	<i>Acacia inaequilatera</i>	300	1.5	
	<i>Acacia pachyacra</i>	300	0.5	
	<i>Acacia pruinocarpa</i>	150	0.6	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	1	
	<i>Atalaya hemiglauca</i>	110	0.1	
	<i>Boerhavia coccinea</i>		0.4	
*	<i>Cenchrus ciliaris</i>	50	4	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.01	
	<i>Eragrostis eriopoda</i>	40	1	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	220	0.08	
	<i>Paraneurachne muelleri</i>		0.04	
*	<i>Portulaca oleracea</i>	3	0.01	
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Ptilotus astrolasius</i>		0.03	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	40	0.1	
	<i>Ptilotus obovatus</i>	40	0.06	
	<i>Salsola australis</i>		0.03	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.03	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.2	
	<i>Solanum lasiophyllum</i>	30	0.01	
	<i>Tribulus suberosus</i>	5	0.2	
	<i>Triodia epactia</i>	100	15	
	<i>Triodia epactia</i>	110	2	



<b>Plot:</b>	B009	<b>Corner</b>	nw	se
<b>Date:</b>	30-Mar	<b>Camera</b>	jess' camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	1561	1562
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3066	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742053	<b>Soil comments:</b>	some creekline rocks present	
<b>NW Northing:</b>	7488313	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742103	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488263	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	minor creek	0	3	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	800	8
<b>Time since fire (yrs):</b>	pkus 5	<b>Mid</b>	150	1
<b>Disturbance:</b>	low	<b>Lower</b>	50	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	mulga country			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	500	10	
	<i>Acacia pruinocarpa</i>	400	4	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>		0.5	
	<i>Atalaya hemiglauca</i>	200	0.2	
	<i>Atalaya hemiglauca</i>		0.02	
	<i>Boerhavia coccinea</i>		0.1	
	<i>Boerhavia</i> sp.	6	0.01	
*	<i>Cenchrus ciliaris</i>	60	18	
	<i>Cleome viscosa</i>		0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	40	0.03	
	<i>Cucumis maderaspatanus</i>		0.02	
	<i>Duperreya commixta</i>		0.03	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	35	0.01	
	<i>Polycarpaea longiflora</i>		0.01	
*	<i>Portulaca oleracea</i>	3	0.1	
	<i>Psyrax latifolia</i>	20	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	30	0.02	
	<i>Ptilotus obovatus</i>	30	0.05	
	<i>Santalum</i> sp.	240	0.2	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	60	0.04	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	100	0.1	
	<i>Triodia epactia</i>	90	4	





<b>Plot:</b>	B010	<b>Corner</b>	nw	se
<b>Date:</b>	30-Mar	<b>Camera</b>	jess' camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	1563	1564
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3065	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742434	<b>Soil comments:</b>	some creekline rocks present	
<b>NW Northing:</b>	7488877	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742484	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488827	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat creekline		1	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	900	6
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	2
<b>Disturbance:</b>	low but some sign	<b>Lower</b>	40	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>	cattle, similar to b9. many juvenile acacia trees			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?citrinoviridis</i>	900	10	
	<i>Acacia pruinocarpa</i>		2.5	
	<i>Atalaya hemiglauca</i>		0.1	
	<i>Boerhavia coccinea</i>		0.15	
*	<i>Cenchrus ciliaris</i>	60	15	
*	<i>Cenchrus ciliaris</i>	80	0.2	
*	<i>Cenchrus setiger</i>	60	3	
	<i>Cleome viscosa</i>	10	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	0.02	
	<i>Duperreya commixta</i>		0.05	
	<i>Enchylaena tomentosa</i>	60	0.03	
	<i>Gossypium australe</i>	25	0.01	
*	<i>Portulaca oleracea</i>	3	0.06	
	<i>Psydrax latifolia</i>	230	0.1	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.02	
	<i>Ptilotus obovatus</i>	40	0.02	
	<i>Rhagodia eremaea</i>	70	0.04	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	110	0.02	
	<i>Sporobolus australasicus</i>		0.02	
	<i>Triodia epactia</i>	80	5	





<b>Plot:</b>	B011	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2161	2162
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3088	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	741635	<b>Soil comments:</b>	some creekline rocks present	
<b>NW Northing:</b>	7486742	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	741684	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486692	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline flat	0.2	0.5	4
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	800	7
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>	flowline			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?citrinoviridis</i>	650	2	
	<i>Acacia citrinoviridis</i>	800	6	
	<i>Acacia pruinocarpa</i>		5	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	160	0.1	
	<i>Atalaya hemiglauca</i>		0.2	
*	<i>Cenchrus ciliaris</i>	60	28	
*	<i>Cenchrus setiger</i>	70	0.2	
	<i>Cleome viscosa</i>	20	0.01	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Indigofera monophylla</i>	25	0.01	
	<i>Notoleptopus decaisnei</i>	20	0.02	
	<i>Polycarpaea longiflora</i>	30	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	10	0.01	
	<i>Ptilotus obovatus</i>	80	1	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.2	
	<i>Rhagodia eremaea</i>	120	0.05	
	<i>Salsola australis</i>		0.1	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>		0.02	
	<i>Senna notabilis</i>	3	0.01	
	<i>Solanum lasiophyllum</i>	20	0.01	
	<i>Triodia basedowii</i>		0.1	
	<i>Triodia epactia</i>	80	3	





<b>Plot:</b>	B012	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2163	2164
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3107	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	741427	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7488521	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	741477	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488471	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, flat	4		6
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	900	9
<b>Time since fire (yrs):</b>	pplus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	45
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>	same as b11, cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	900	9	
	<i>Acacia pruinocarpa</i>		0.5	
	<i>Atalaya hemiglauca</i>	210	0.1	
	<i>Boerhavia coccinea</i>	10	0.1	
*	<i>Cenchrus ciliaris</i>	60	20	
	<i>Cleome viscosa</i>	30	0.02	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Duperreya commixta</i>		0.03	
	<i>Eremophila longifolia</i>	240	0.8	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.01	
*	<i>Portulaca oleracea</i>	3	0.01	
	<i>Rhagodia eremaea</i>	220	0.1	
	<i>Triodia epactia</i>	100	2	



<b>Plot:</b>	B013	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2166	3167
<b>Initials:</b>	jl fw	<b>Camera Revisit</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3108	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	741488	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7488796	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	741538	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488746	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, flat			
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	5
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>	same as b11 and b12			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	700	5	
	<i>Acacia coriacea</i> subsp. <i>pendens</i>	260	0.4	
	<i>Acacia inaequilatera</i>	230	0.1	
	<i>Acacia pruinocarpa</i>		2	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	240	0.3	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	180	0.15	
	<i>Alternanthera nana</i>	25	0.01	
	<i>Atalaya hemiglauca</i>	80	0.1	
	<i>Boerhavia coccinea</i>		0.05	
*	<i>Cenchrus ciliaris</i>	60	35	
*	<i>Cenchrus ciliaris</i>	50	1.5	
*	<i>Cenchrus ciliaris</i>	110	0.5	
	<i>Cleome viscosa</i>	15	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	110	0.1	
	<i>Cucumis maderaspatanus</i>		0.01	
	<i>Duperreya commixta</i>		0.02	
	<i>Enchylaena tomentosa</i>	40	0.02	
	<i>Eremophila longifolia</i>	150	0.15	
	<i>Polycarpaea longiflora</i>		0.01	
*	<i>Portulaca oleracea</i>	3	0.01	
	<i>Ptilotus obovatus</i>	20	0.02	
	<i>Salsola australis</i>	20	0.01	
	<i>Sclerolaena cornishiana</i>	50	0.02	
	<i>Senna notabilis</i>	30	0.03	
	<i>Solanum lasiophyllum</i>	40	0.02	
	<i>Triodia epactia</i>	120	2	





<b>Plot:</b>	B014	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2170	2169
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3109	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	740697	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7489768	<b>Outcrop:</b>		
<b>SE Easting:</b>	740747	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7489718	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, flat			
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	400	6
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?citrinoviridis</i>	360	6	
	<i>Acacia pruinocarpa</i>	400	4	
*	<i>Aerva javanica</i>		0.05	
	<i>Atalaya hemiglauca</i>	140	0.1	
	<i>Boerhavia coccinea</i>		0.15	
*	<i>Cenchrus ciliaris</i>	60	10	
	<i>Cleome viscosa</i>	25	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	100	0.06	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	50	0.02	
*	<i>Portulaca oleracea</i>	3	0.02	
	<i>Ptilotus obovatus</i>	30	0.01	
	<i>Rhagodia eremaea</i>		0.03	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>		0.03	
	<i>Senna notabilis</i>	20	0.02	
	<i>Solanum lasiophyllum</i>	40	0.05	
	<i>Sporobolus australasicus</i>		0.04	
	<i>Triodia epactia</i>	100	6	
	<i>Wahlenbergia tumidifructa</i>		0.01	



<b>Plot:</b>	B015	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revist:</b>	9/07/2011	<b>Photo #</b>	2173	2174
<b>Initials:</b>	jl fw	<b>Camera Revist:</b>	Floora's camera	
<b>Initials Revist:</b>	FW / PM	<b>Photo # Revist:</b>	3119	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742688	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7491221	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742738	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7491171	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, flat			
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>		
<b>Condition:</b>	very good	<b>Bare ground (%):</b>		
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Abutilon lepidum sensl.</i>		0.05	
	<i>Acacia citrinoviridis</i>	700	4	
	<i>Acacia pruinocarpa</i>	600	2	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.3	
	<i>Acacia synchronicia</i>		0.01	
	<i>Boerhavia coccinea</i>		0.5	
*	<i>Cenchrus ciliaris</i>	60	1	
*	<i>Cenchrus setiger</i>	70	1	
	<i>Cleome viscosa</i>	25	0.01	
	<i>Convolvulus clementii</i>	15	0.01	
	<i>Convolvulus clementii</i>	15	0.01	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Eremophila longifolia</i>	140	2	
	<i>Maireana planifolia</i>		0.03	
*	<i>Portulaca oleracea</i>	3	0.1	
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	20	0.01	
	<i>Ptilotus obovatus</i>	35	0.02	
	<i>Salsola australis</i>	20	0.1	
	<i>Sclerolaena cornishiana</i>	20	0.02	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.3	
	<i>Senna notabilis</i>	30	0.04	
	<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)		0.01	
	<i>Solanum lasiophyllum</i>	40	0.01	
	<i>Sporobolus australasicus</i>		0.01	
	<i>Triodia epactia</i>	100	5.5	





<b>Plot:</b>	B016	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2177	2178
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3120	
<b>Zone:</b>	50	<b>Soils</b>	sand	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742628	<b>Soil comments:</b>	many creekline rocks present	
<b>NW Northing:</b>	7491702	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742678	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7491652	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, flat	0.1	0.5	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1200	1
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	250	6
<b>Disturbance:</b>	low	<b>Lower</b>	60	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	cattle, scattered corymbia hamersleyana adjacent to plot			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	200	5	
	<i>Acacia citrinoviridis</i>	280	0.5	
	<i>Acacia dictyophleba</i>	300	1.5	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	250	0.5	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	150	2	
	<i>Aristida holathera</i> var. <i>holathera</i>		0.1	
	<i>Atalaya hemiglauca</i>	160	0.2	
	<i>Boerhavia coccinea</i>		0.02	
	<i>Bulbostylis barbata</i>	3	0.01	
*	<i>Cenchrus ciliaris</i>	60	4	
*	<i>Cenchrus setiger</i>	70	4	
	<i>Cleome viscosa</i>	20	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.1	
	<i>Corymbia hamersleyana</i>		1	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Enneapogon robustissimus</i>	60	0.1	
	<i>Eragrostis eriopoda</i>	50	3	
	<i>Eriachne mucronata</i>	50	1	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.06	
	<i>Euphorbia ?australis</i>	25	0.01	
	<i>Euphorbia australis</i>		0.01	
	<i>Euphorbia biconvexa</i>	155	0.01	
	<i>Gossypium australe</i>	30	0.02	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.1	
	<i>Indigofera monophylla</i>	30	0.03	
	<i>Notoleptopus decaisnei</i>	80	0.03	
	<i>Paraneurachne muelleri</i>		0.03	
	<i>Polycarpaea longiflora</i>	25	0.02	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	10	0.01	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.2	
	<i>Rhynchosia minima</i>	8	0.01	
	<i>Rulingia luteiflora</i>	180	0.15	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	60	0.02	
	<i>Senna notabilis</i>	20	0.01	
	<i>Stylobasium spathulatum</i>	80	0.02	
	<i>Tephrosia rosea</i> var. <i>glabrior</i>		0.02	
	<i>Themeda triandra</i>	120	0.2	
	<i>Triodia epactia</i>	110	8	



<b>Plot:</b>	B017	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2181	2182
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3110	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738933	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7491204	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	738983	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7491154	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, flat	0.5	0.5	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	400	4
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>	cattle, wide flowline			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	400	1	
	<i>Acacia inaequilatera</i>		0.7	
	<i>Acacia pruinocarpa</i>	400	2	
*	<i>Aerva javanica</i>		0.02	
	<i>Atalaya hemiglauca</i>	250	0.6	
*	<i>Cenchrus ciliaris</i>	60	25	
*	<i>Cenchrus ciliaris</i>	1200	5	
	<i>Corymbia hamersleyana</i>	700	3	
	<i>Cucumis maderaspatanus</i>		0.05	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	400	1.5	
	<i>Rhagodia eremaea</i>	100	0.14	
	<i>Triodia epactia</i>	80	1	





<b>Plot:</b>	B018	<b>Corner</b>	nw	se
<b>Date:</b>	31-Mar	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2185	2186
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3111	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738636	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7491700	<b>Outcrop:</b>	ns	
<b>SE Easting:</b>	738686	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7491650	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, flat	1	1	22
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	5
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	18
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aneura</i>	300	0.06	
	<i>Acacia citrinoviridis</i>	220	0.5	
	<i>Acacia dictyophleba</i>	120	0.1	
	<i>Acacia inaequilatera</i>		0.5	
	<i>Acacia pruinocarpa</i>	1000	5	
	<i>Atalaya hemiglauca</i>	300	0.2	
*	<i>Cenchrus ciliaris</i>	60	15	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	450	2	
*	<i>Portulaca oleracea</i>	3	0.01	
	<i>Triodia epactia</i>	100	3	



<b>Plot:</b>	B019	<b>Corner</b>	nw	se
<b>Date:</b>	1-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2199	2200
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3115	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737677	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7493039	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	737727	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492989	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline adjacent to cre	1	0.5	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	2000	8
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations:</b>	cattle. next to Weely Wolli creekline is roughly 2 m below the height of the plot			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	2	0.5	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	300	1	
*	<i>Aerva javanica</i>	60	0.8	
	<i>Amaranthus undulatus</i>	70	0.15	
	<i>Atalaya hemiglauca</i>	170	0.1	
	<i>Boerhavia coccinea</i>		0.04	
	<i>Bulbostylis barbata</i>	3	0.01	
*	<i>Cenchrus ciliaris</i>	69	0.04	
*	<i>Cenchrus setiger</i>	60	25	
	<i>Cleome viscosa</i>	25	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	80	0.25	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.06	
	<i>Eucalyptus victrix</i>	2000	8	
	<i>Eucalyptus victrix</i>	1300	2	
	<i>Euphorbia australis</i>		0.01	
	<i>Gomphrena cunninghamii</i>	20	0.02	
	<i>Polycarpaea longiflora</i>	30	0.02	
	<i>Ptilotus obovatus</i>		0.1	
	<i>Stylobasium spathulatum</i>	220	0.2	





<b>Plot:</b>	B020	<b>Corner</b>	n	s
<b>Date:</b>	1/4/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2204	2205
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3154	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	735695	<b>Soil comments:</b>	many creekline rocks	
<b>NW Northing:</b>	7498130	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	735744	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498080	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	major channel	1	1	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	creekline banks slope upwards at roughly 15 degrees with evidence of some erosion	<b>Upper</b>	1000	2
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	180	5
<b>Disturbance:</b>	low	<b>Lower</b>	60	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>	going 50m up the creekline in a SSE direction			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	180	3	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	220	1	
	<i>Acacia synchronicia</i>		0.1	
	<i>Aristida holathera</i> var. <i>holathera</i>		0.01	
	<i>Atalaya hemiglauca</i>	120	0.11	
	<i>Boerhavia coccinea</i>		0.03	
	* <i>Cenchrus ciliaris</i>	60	4	
	* <i>Cenchrus setiger</i>	60	5	
	<i>Cleome viscosa</i>	25	0.06	
	<i>Corchorus crozophorifolius</i>	1330	0.1	
	<i>Corymbia hamersleyana</i>	800	1	
	<i>Eucalyptus victrix</i>	1000	1	
	<i>Euphorbia australis</i>		0.05	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.02	
	<i>Ipomoea muelleri</i>		0.05	
	<i>Polycarpaea longiflora</i>		0.04	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	40	0.02	
	<i>Ptilotus obovatus</i>		0.01	



<b>Plot:</b>	B021	<b>Corner</b>	nw	se
<b>Date:</b>	1-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2206	2207
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3128	
<b>Zone:</b>	50	<b>Soils</b>	sandy clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	734349	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7497243	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	734399	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497193	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	creekline	0.5	0.5	6
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0, steep banks	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>		
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>		
<b>Observations</b>	cattle, other bank has corymbia hamersleyana 1percent, acacia tree 20percent and rough grass 25percent,ng			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Atalaya hemiglauca</i>	220	0.2	
*	<i>Cenchrus setiger</i>	60	50	
	<i>Eucalyptus victrix</i>	1800	12	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	400	0.5	





<b>Plot:</b>	B022	<b>Corner</b>	nw	se
<b>Date:</b>	1-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2208	22009
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3127	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	734697	<b>Soil comments:</b>		
<b>NW Northing:</b>	7496128	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	734747	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496078	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline next to creekbed	3	2	6
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1400	15
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low to medium	<b>Lower</b>	60	50
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	20	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	1400	15	
	<i>Atalaya hemiglauca</i>	400	0.5	
*	<i>Cenchrus setiger</i>	60	50	
	<i>Eucalyptus victrix</i>		0.5	



<b>Plot:</b>	B023	<b>Corner</b>	nw	se
<b>Date:</b>	1-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2212	2213
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3146	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	731421	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7500615	<b>Outcrop:</b>		
<b>SE Easting:</b>	731471	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500565	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline	2	2	4
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1700	4
<b>Time since fire (yrs):</b>	5plus	<b>Mid</b>	1500	7
<b>Disturbance:</b>	low	<b>Lower</b>	70	25
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	20	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	1500	7	
	<i>Atalaya hemiglauca</i>	300	0.5	
*	<i>Cenchrus setiger</i>	70	25	
	<i>Eucalyptus victrix</i>	1700	4	
	<i>Salsola australis</i>	40	0.01	





<b>Plot:</b>	B024	<b>Corner</b>	nw	se
<b>Date:</b>	2-Apr	<b>Camera</b>	flooda's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2215	2216
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743809	<b>Soil comments:</b>	white rocks	
<b>NW Northing:</b>	7514011	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743859	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513961	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	350	6
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	4
<b>Disturbance:</b>	low	<b>Lower</b>	50	7
<b>Condition:</b>	excellt	<b>Bare ground (%):</b>	80	
<b>Observations</b>	cattle			
	? <i>Scaevola spinescens</i>	50	0.2	
	<i>Acacia aneura</i>	350	2	
	<i>Acacia synchronicia</i>	200	4	
	<i>Acacia tetragonophylla</i>	100	0.3	
	<i>Acacia xiphophylla</i>	350	6	
	<i>Atriplex</i> sp.	60	1.5	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	50	7	
	<i>Cleome viscosa</i>	40	0.02	
	<i>Dissocarpus paradoxus</i>	20	0.01	
	<i>Enchylaena tomentosa</i>	20	0.03	
P4	<i>Eremophila youngii</i> subsp. <i>lepidota</i>	200	2	
	<i>Lepidium pholidogynum</i>	2	0.01	
	<i>Maireana pyramidata</i>	100	6	
	<i>Melelauca ?glomerata</i>	120	0.25	
	<i>Poaceae</i> sp.	3	0.05	
	<i>Polygala</i> ?sp. Prostrate (P.K. Latz 4900)	2	0.01	
*	<i>Portulaca oleracea</i>	3	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	60	0.04	
	<i>Ptilotus obovatus</i>	100	0.05	
	<i>Rhagodia eremaea</i>	180	0.1	
	<i>Santalum lanceolatum</i>	250	0.2	
	<i>Scaevola spinescens</i>	150	0.6	
	<i>Sclerolaena densiflora</i>	30	0.03	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	40	0.04	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.2	
	<i>Portulaca oleracea</i>	3	0.01	



<b>Plot:</b>	B025	<b>Corner</b>	nw	se
<b>Date:</b>	2-Apr	<b>Camera</b>	flooda's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2221	2222
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743445	<b>Soil comments:</b>	dry	
<b>NW Northing:</b>	7513636	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743495	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513586	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	clay pan		0.2	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	4
<b>Disturbance:</b>	low	<b>Lower</b>	60	7
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	92	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	? <i>Scaevola spinescens</i>	70	0.6	
	<i>Acacia aneura</i>	320	1	
	<i>Acacia synchronicia</i>	220	2	
	<i>Acacia tetragonophylla</i>	200	2	
	<i>Aeschynomene indica</i>	100	0.2	
	<i>Alternanthera nodiflora</i>	30	0.01	
	<i>Atriplex amnicola</i>	120	4	
*	<i>Cenchrus ciliaris</i>	50	0.5	
	<i>Centipeda minima</i>	20	0.01	
	<i>Cleome viscosa</i>	30	0.03	
	<i>Corchorus tridens</i>		0.01	
*	<i>Echinochloa colona</i>	60	0.05	
	<i>Enteropogon ramosus</i>	60	0.02	
	<i>Eragrostis ?setifolia</i>	40	0.05	
	<i>Eragrostis eriopoda</i>	50	0.05	
	<i>Eragrostis tenellula</i>	40	0.1	
P4	<i>Eremophila youngii</i> subsp. <i>lepidota</i>	250	1	
	<i>Eriachne benthamii</i>	40	4	
	<i>Eulalia aurea</i>	80	0.02	
*	<i>Malvastrum americanum</i>	40	0.03	
	<i>Marsilea hirsuta</i>		0.01	
	<i>Melaleuca glomerata</i>	280	0.5	
	<i>Melaleuca xerophila</i>	300	11	
*	<i>Vachellia farnesiana</i>	10	0.02	





<b>Plot:</b>	B026	<b>Corner</b>	nw	sse
<b>Date:</b>	2-Apr	<b>Camera</b>	flooda's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2223	2224
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744034	<b>Soil comments:</b>		
<b>NW Northing:</b>	7513163	<b>Outcrop:</b>		
<b>SE Easting:</b>	744084	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513113	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	350	6
<b>Disturbance:</b>	low	<b>Lower</b>	60	7
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	92	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia synchronicia</i>	200	0.7	
	<i>Acacia xiphophylla</i>	400	2	
	<i>Atriplex amnicola</i>	90	0.2	
	<i>Atriplex codonocarpa</i>	40	0.2	
	<i>Boerhavia coccinea</i>		0.1	
	<i>Brachyachne prostrata</i>	5	0.03	
*	<i>Cenchrus ciliaris</i>	70	2	
	<i>Cleome viscosa</i>	60	0.06	
	<i>Dactyloctenium radulans</i>	25	0.5	
	<i>Enteropogon ramosus</i>	60	0.04	
	<i>Eragrostis tenellula</i>	50	0.4	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	130	0.3	
P4	<i>Eremophila youngii</i> subsp. <i>lepidota</i>	180	0.5	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	50	0.02	
	<i>Melaleuca xerophila</i>	300	5	
	<i>Poaceae</i> sp.	10	0.02	
	<i>Polycarpaea corymbosa</i>	12	0.01	
	<i>Polycarpaea holtzei</i>	5	0.01	
*	<i>Portulaca oleracea</i>	3	0.2	
*	<i>Portulaca oleracea</i>		0.03	
	<i>Ptilotus obovatus</i>	50	0.03	
	<i>Sclerolaena cuneata</i>	30	0.2	
	<i>Senna</i> ?sp. Meekatharra (E. Bailey 1-26)	30	0.02	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.1	
	<i>Senna glutinosa</i> subsp. <i>chatelainiana</i>	200	0.15	



<b>Plot:</b>	B027	<b>Corner</b>	nw	se
<b>Date:</b>	2-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2225	2226
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744563	<b>Soil comments:</b>	numerous small rocks	
<b>NW Northing:</b>	7512459	<b>Outcrop:</b>		
<b>SE Easting:</b>	744613	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7512409	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>		
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>		
<b>Observations</b>	fw160 eremophila youngii flowers			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia synchronicia</i>	130	0.6	
	<i>Acacia xiphophylla</i>	200	0.8	
	<i>Brachyachne prostrata</i>		0.1	
	<i>Cleome viscosa</i>	30	0.02	
	<i>Dactyloctenium radulans</i>		0.06	
	<i>Enchylaena tomentosa</i>	50	0.03	
	<i>Enteropogon ramosus</i>	60	0.1	
	<i>Eragrostis tenellula</i>	50	0.11	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	120	0.2	
	<i>Maireana planifolia</i>	3	0.01	
	<i>Maireana pyramidata</i>	80	0.2	
*	<i>Portulaca oleracea</i>	3	0.04	
*	<i>Portulaca oleracea</i>	2	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	20	0.01	
	<i>Salsola australis</i>	30	0.02	
	<i>Scaevola spinescens</i>	130	0.5	
	<i>Sclerolaena cuneata</i>	25	1	
	<i>Solanum lasiophyllum</i>	50	0.04	
	<i>Trianthema triquetra</i>	3	0.2	
	<i>Tribulus astrocarpus</i>	2	0.01	





<b>Plot:</b>	B028	<b>Corner</b>	nw	se
<b>Date:</b>	3-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2231	2232
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3112	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737551	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7492797	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	737601	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492747	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline, next to w	0.3	0.2	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1800	3
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	800	2
<b>Disturbance:</b>	low	<b>Lower</b>	60	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	80	0.04	
	<i>Acacia pruinocarpa</i>	800	2	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	200	0.25	
*	<i>Aerva javanica</i>		0.02	
	<i>Atalaya hemiglauca</i>	130	0.2	
	<i>Boerhavia coccinea</i>		0.01	
	<i>Capparis spinosa</i>		0.04	
*	<i>Cenchrus setiger</i>	60	50	
	<i>Eucalyptus victrix</i>	1800	3	



<b>Plot:</b>	B029	<b>Corner</b>	nw	se
<b>Date:</b>	3-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2233	2234
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3121	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	736997	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7493158	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	737047	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493108	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	0.5	1
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	6
<b>Disturbance:</b>	low	<b>Lower</b>	80	40
<b>Condition:</b>	excellent			
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	140	1	
	<i>Acacia dictyophleba</i>	240	0.3	
	<i>Acacia inaequilatera</i>	400	5	
	<i>Acacia pruinocarpa</i>		0.5	
	<i>Anthobolus leptomerioides</i>	220	0.3	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.4	
	<i>Senna notabilis</i>	20	0.01	
	<i>Triodia ? basedowii</i>	80	40	





<b>Plot:</b>	B030	<b>Corner</b>	nw	se
<b>Date:</b>	3-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2237	2236
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3123	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	736094	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7494163	<b>Outcrop:</b>		
<b>SE Easting:</b>	736141	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494115	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0	0.2	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	2
<b>Disturbance:</b>	low	<b>Lower</b>	80	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>	same as b29			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia dictyophleba</i>	200	0.6	
	<i>Acacia inaequilatera</i>	300	1	
	<i>Acacia pruinocarpa</i>	300	0.2	
	<i>Acacia synchronicia</i>		0.2	
*	<i>Cenchrus ciliaris</i>	80	0.04	
	<i>Eragrostis eriopoda</i>		0.02	
	<i>Triodia ? basedowii</i>	80	40	
	<i>Triodia epactia</i>	100	0.04	



<b>Plot:</b>	B031	<b>Corner</b>	nw	se
<b>Date:</b>	3-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2238	2239
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3124	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	735724	<b>Soil comments:</b>	naa	
<b>NW Northing:</b>	7494811	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	735773	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494761	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	2
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	4
<b>Disturbance:</b>	medium	<b>Lower</b>	60	35
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	70	
<b>Observations</b>	cattle damage			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	120	0.15	
	<i>Acacia aneura</i>		0.05	
	<i>Acacia pruinocarpa</i>	400	2	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	2	
	<i>Atalaya hemiglauca</i>	120	0.05	
*	<i>Cenchrus ciliaris</i>	60	2	
*	<i>Cenchrus setiger</i>	60	35	
	<i>Corymbia hamersleyana</i>	800	1	
	<i>Cucumis maderaspatanus</i>		0.02	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	400	1	
	<i>Rhagodia eremaea</i>		0.05	
	<i>Rhagodia eremaea</i>	120	0.2	





<b>Plot:</b>	B032	<b>Corner</b>	nw	se
<b>Date:</b>	3-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>		
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3136	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam with clay	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	732496	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7498545	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	732546	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498495	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0	0.2	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	320	5
<b>Disturbance:</b>	medium	<b>Lower</b>	60	5
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	90	
<b>Observations</b>	signs of plant stress. corymbia hamersleyana, hakea lorea and acacia hard tree surrounding plot, collected pretty eremophila [fw166]			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	300	3	
	<i>Acacia aneura</i>	320	0.6	
	<i>Acacia citrinoviridis</i>	320	0.8	
	<i>Acacia inaequilatera</i>	250	1	
*	<i>Aerva javanica</i>	70	0.03	
	<i>Boerhavia coccinea</i>		0.1	
*	<i>Cenchrus ciliaris</i>	60	6	
	<i>Cleome viscosa</i>	40	0.02	
	<i>Paraneurachne muelleri</i>	60	0.02	
	<i>Salsola australis</i>	40	0.2	
	<i>Sclerolaena cornishiana</i>		0.02	
	<i>Solanum lasiophyllum</i>	40	0.2	



<b>Plot:</b>	B033	<b>Corner</b>	nw	se
<b>Date:</b>	4-Feb	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2240	2241
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3137	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	731873	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7498620	<b>Outcrop:</b>		
<b>SE Easting:</b>	731923	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498570	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0	1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	1
<b>Disturbance:</b>	low	<b>Lower</b>	80	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>	sand dunes			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	120	0.3	
	<i>Acacia aneura</i>		0.2	
	<i>Acacia citrinoviridis</i>		0.3	
	<i>Acacia coriacea</i> subsp. <i>pendens</i>		0.2	
	<i>Acacia dictyophleba</i>	70	0.04	
	<i>Acacia inaequilatera</i>	300	1	
	<i>Acacia pachyacra</i>	100	0.3	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.2	
	<i>Bonamia rosea</i>	30	0.15	
*	<i>Cenchrus ciliaris</i>	50	3	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03	
	<i>Corymbia hamersleyana</i>		0.5	
	<i>Cucumis maderaspatanus</i>		0.03	
	<i>Dicrastylis cordifolia</i>	40	0.02	
	<i>Eragrostis eriopoda</i>	50	0.1	
	<i>Eriachne mucronata</i>		0.02	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.3	
	<i>Petalostylis cassioides</i>	50	0.05	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>		0.1	
	<i>Triodia basedowii</i>	80	35	





<b>Plot:</b>	B034	<b>Corner</b>	nw	se
<b>Date:</b>	3-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2245	2244
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3090	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742993	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7487087	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743044	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7487037	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	3
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	6
<b>Disturbance:</b>	low	<b>Lower</b>	80	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia pachyacra</i>	300	2	
	<i>Acacia pruinocarpa</i>	320	0.3	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	4	
	<i>Aristida holathera</i> var. <i>holathera</i>	35	5	
	<i>Boerhavia coccinea</i>		0.5	
	<i>Bulbostylis barbata</i>	2	0.05	
	* <i>Cenchrus ciliaris</i>	60	2	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	40	0.02	
	<i>Dysphania kalpari</i>		0.02	
	<i>Eragrostis eriopoda</i>	40	4	
	<i>Goodenia microptera</i>		0.01	
	<i>Indigofera monophylla</i>	50	0.002	
	<i>Paraneurachne muelleri</i>	50	0.02	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	20	0.02	
	<i>Salsola australis</i>	30	0.01	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.5	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	80	0.5	
	<i>Senna notabilis</i>	20	0.01	
	<i>Solanum lasiophyllum</i>	50	0.2	
	<i>Trianthema pilosa</i>	3	0.1	
	<i>Tribulus suberosus</i>		0.02	
	<i>Triodia epactia</i>	100	8	
	<i>Wahlenbergia tumidifruca</i>		0.02	



<b>Plot:</b>	B035	<b>Corner</b>	nw	se
<b>Date:</b>	3-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2246	2247
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3091	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742924	<b>Soil comments:</b>	some rocks present	
<b>NW Northing:</b>	7487715	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742974	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7487665	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.2	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	1
<b>Disturbance:</b>	low	<b>Lower</b>	120	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>		
<b>Observations</b>	nearby crazy grass [fw169]			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	120	0.2	
	<i>Acacia pachyacra</i>	150	2	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.05	
	<i>Boerhavia coccinea</i>		0.6	
	<i>Bulbostylis barbata</i>	3	0.02	
*	<i>Cenchrus ciliaris</i>	60	0.5	
	<i>Chrysopogon fallax</i>	130	0.5	
	<i>Cleome viscosa</i>	30	0.04	
	<i>Corchorus sidioides</i> subsp. <i>sidioides</i>	30	0.15	
	<i>Dactyloctenium radulans</i>		0.03	
	<i>Dysphania kalpari</i>		0.02	
	<i>Eragrostis eriopoda</i>	50	1	
	<i>Eragrostis tenellula</i>	30	0.4	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	50	0.01	
	<i>Eriachne aristidea</i>	75	0.1	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	10	0.01	
	<i>Euphorbia australis</i>		0.01	
	<i>Goodenia microptera</i>		0.01	
	<i>Goodenia prostrata</i>	3	0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.03	
	<i>Heliotropium inexplicitum</i>		0.02	
	<i>Hibiscus sturtii</i> var. <i>platyphlamys</i>	50	0.1	
	<i>Ipomoea muelleri</i>		0.01	
	<i>Paraneurachne muelleri</i>		0.1	
	<i>Perotis rara</i>	8	0.01	
	<i>Phyllanthus erwinii</i>	3	0.01	
	<i>Polycarpaea longiflora</i>	10	0.01	
*	<i>Portulaca oleracea</i>		0.02	
*	<i>Portulaca oleracea</i>	3	0.02	
	<i>Pterocaulon sphaeranthoides</i>		0.06	
	<i>Ptilotus astrolasius</i>		0.02	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	20	0.02	
	<i>Ptilotus helipteroides</i>		0.04	
	<i>Ptilotus obovatus</i>	30	0.01	
	<i>Salsola australis</i>		0.03	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.3	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.05	
	<i>Senna notabilis</i>	25	0.2	
	<i>Sida arsinata</i>	50	0.01	
	<i>Solanum lasiophyllum</i>	60	0.75	
	<i>Tephrosia supina</i>	3	0.01	
	<i>Trianthema pilosa</i>	4	0.05	
	<i>Tribulus suberosus</i>		0.1	



<i>Triodia epactia</i>	90	7	
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<b>Plot:</b>	B036	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2249	2250
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3117	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737689	<b>Soil comments:</b>	some erosion in channel	
<b>NW Northing:</b>	7493373	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	737739	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493323	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	minor offset channel runn	1	2	7
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1800	15
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	10
<b>Disturbance:</b>	low	<b>Lower</b>	50	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	1200	7	
	<i>Acacia pruinocarpa</i>	500	2	
*	<i>Aerva javanica</i>	50	0.02	
	<i>Atalaya hemiglauca</i>	200	0.1	
*	<i>Cenchrus ciliaris</i>	50	50	
	<i>Corymbia hamersleyana</i>	1700	3	
	<i>Duperreya commixta</i>		0.1	
	<i>Eucalyptus victrix</i>	1800	5	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.2	
	<i>Solanum lasiophyllum</i>		0.02	





<b>Plot:</b>	B037	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2251	2252
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3118	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737685	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7494017	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	737735	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493967	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	1	4
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1600	2
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	1000	15
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	1000	5	
	<i>Acacia pruinocarpa</i>	1000	5	
	<i>Atalaya hemiglauca</i>	150	0.05	
*	<i>Cenchrus ciliaris</i>	50	15	
	<i>Eucalyptus victrix</i>	1600	2	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	300	1	





<b>Plot:</b>	B038	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	5/07/2011	<b>Photo #</b>	2253	2254
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3046	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738561	<b>Soil comments:</b>		
<b>NW Northing:</b>	7493645	<b>Outcrop:</b>		
<b>SE Easting:</b>	738610	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493595	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	2	1
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	600	7
<b>Disturbance:</b>	medium	<b>Lower</b>	60	10
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	85	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	60	0.1	
	<i>Acacia ?synchronicia</i>	40	0.04	
	<i>Acacia ancistrocarpa</i>	120	0.3	
	<i>Acacia aneura</i>	400	8	
	<i>Acacia citrinoviridis</i>	450	1	
	<i>Acacia inaequilatera</i>			
	<i>Acacia paraneura</i>	600	1	
	<i>Acacia pruinocarpa</i>	300	0.6	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	200	0.1	
	<i>Boerhavia coccinea</i>		0.5	
*	<i>Cenchrus setiger</i>	60	7	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	5	0.1	
	<i>Duperreya commixta</i>		0.1	
	<i>Eragrostis eriopoda</i>		0.2	
	<i>Euphorbia australis</i>		0.01	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.01	
	<i>Goodenia prostrata</i>	3	0.04	
	<i>Gossypium australe</i>	40	0.02	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.5	
	<i>Hibiscus sturtii</i> var. <i>platychlamyis</i>	3	0.01	
	<i>Ipomoea muelleri</i>		0.04	
	<i>Perotis rara</i>	6	0.01	
	<i>Polycarpaea longiflora</i>		0.01	
*	<i>Portulaca oleracea</i>	3	0.1	
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Ptilotus helipteroides</i>		0.01	
	<i>Salsola australis</i>	20	0.01	
	<i>Sclerolaena cornishiana</i>	10	0.02	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.06	
	<i>Senna notabilis</i>	30	0.5	
	<i>Sida</i> sp. Verrucose glands (F.H. Mollemans 2423)		0.02	
	<i>Solanum lasiophyllum</i>	60	0.8	





<b>Plot:</b>	B039	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	flooda's camera	
<b>Date Revisit:</b>	5/07/2011	<b>Photo #</b>	2257	2258
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Flooda's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3045	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738510	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7494511	<b>Outcrop:</b>		
<b>SE Easting:</b>	738564	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494461	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	2	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	1000	25
<b>Disturbance:</b>	medium	<b>Lower</b>	60	30
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	70	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Abutilon lepidum</i>	40	0.02	
	<i>Acacia aneura</i>	1200	8	
	<i>Acacia citrinoviridis</i>	1000	4	
	<i>Acacia inaequilatera</i>		0.2	
	<i>Acacia paraneura</i>	800	1	
	<i>Acacia pruinocarpa</i>	1000	2	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	300	0.2	
	<i>Atalaya hemiglauca</i>		0.2	
	<i>Boerhavia coccinea</i>		0.05	
*	<i>Cenchrus ciliaris</i>	60	30	
	<i>Corymbia hamersleyana</i>	800	2	
	<i>Cucumis maderaspatanus</i>		0.02	
	<i>Gossypium australe</i>		0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	650	1	
*	<i>Portulaca oleracea</i>	3	0.01	
	<i>Ptilotus obovatus</i>	50	0.02	



<b>Plot:</b>	B040	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	5/07/2011	<b>Photo #</b>	2259	2260
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	reddy brownny	
<b>NW Easting:</b>	739257	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7494959	<b>Outcrop:</b>		
<b>SE Easting:</b>	739307	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494909	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	1	4
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	na	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	600	10
<b>Disturbance:</b>	low	<b>Lower</b>	100	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	150	0.2	
	<i>Acacia citrinoviridis</i>		1	
	<i>Acacia inaequilatera</i>	400	7	
	<i>Acacia inaequilatera</i>		3	
	<i>Acacia pruinocarpa</i>	550	2	
	<i>Atalaya hemiglauca</i>	180	0.04	
	* <i>Cenchrus ciliaris</i>	50	2	
	<i>Chrysopogon fallax</i>		0.2	
	<i>Cucumis maderaspatanus</i>		0.03	
	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>		0.03	
	<i>Eremophila longifolia</i>	120	0.05	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.02	
	<i>Gossypium australe</i>	50	0.1	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	500	1	
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Ptilotus obovatus</i>		0.02	
	<i>Rhagodia eremaea</i>	90	0.05	
	<i>Salsola australis</i>	30	0.02	
	<i>Senna notabilis</i>	30	0.3	
	<i>Solanum lasiophyllum</i>	60	0.4	
	<i>Triodia epactia</i>	100	35	





<b>Plot:</b>	B041	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	5/07/2011	<b>Photo #</b>	2264	2265
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	740147	<b>Soil comments:</b>	some creekline rocks	
<b>NW Northing:</b>	7495798	<b>Outcrop:</b>		
<b>SE Easting:</b>	740197	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495748	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, adjacent to creek	0.5	1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	1000	8
<b>Disturbance:</b>	low	<b>Lower</b>	60	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aneura</i>	150	0.1	
	<i>Acacia citrinoviridis</i>	1000	5	
	<i>Acacia dictyophleba</i>	200	0.2	
	<i>Acacia inaequilatera</i>		0.5	
	<i>Acacia pruinocarpa</i>	1000	3	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	200	0.5	
*	<i>Aerva javanica</i>	60	0.02	
	<i>Atalaya hemiglauca</i>		0.04	
*	<i>Cenchrus ciliaris</i>	50	15	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	250	0.5	
	<i>Scaevola spinescens</i>	70	0.2	
	<i>Solanum lasiophyllum</i>	30	0.01	
	<i>Triodia epactia</i>	80	5	



<b>Plot:</b>	B042	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	5/07/2011	<b>Photo #</b>	2267	2268
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738844	<b>Soil comments:</b>		
<b>NW Northing:</b>	7496438	<b>Outcrop:</b>		
<b>SE Easting:</b>	738894	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496388	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	2	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	1000	20
<b>Disturbance:</b>	medium	<b>Lower</b>	60	30
<b>Condition:</b>	very good	<b>Bare ground (%):</b>		
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Abutilon lepidum</i>	30	0.01	
	<i>Acacia aneura</i>	700	10	
	<i>Acacia citrinoviridis</i>		4	
	<i>Acacia inaequilatera</i>			
	<i>Acacia paraneura</i>	200	0.1	
	<i>Acacia pruinocarpa</i>	600	2	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	300	0.4	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		0.3	
	<i>Atalaya hemiglauca</i>		0.05	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	50	10	
	<i>Duperreya commixta</i>		0.04	
	<i>Eremophila longifolia</i>	250	0.3	
*	<i>Malvastrum americanum</i>	30	0.01	
	<i>Psydrax latifolia</i>		0.2	
	<i>Rhagodia eremaea</i>	80	0.05	
	<i>Sporobolus australasicus</i>		0.02	





<b>Plot:</b>	B043	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	5/07/2011	<b>Photo #</b>	2269	2270
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3047	
<b>Zone:</b>	50	<b>Soils</b>	sandy clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737940	<b>Soil comments:</b>		
<b>NW Northing:</b>	7496938	<b>Outcrop:</b>		
<b>SE Easting:</b>	737989	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496888	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	4000	80
<b>Disturbance:</b>	medium	<b>Lower</b>	50	10
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	90	
<b>Observations</b>	near fauna traps			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	300	5	
	<i>Acacia ?synchronicia</i>	60	2	
	<i>Acacia pruinocarpa</i>	400	1	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		3.5	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	6	
	<i>Acacia tetragonophylla</i>	200	0.5	
	* <i>Cenchrus ciliaris</i>	40	6	
	<i>Cleome viscosa</i>	10	0.01	
	<i>Corymbia hamersleyana</i>		0.02	
	<i>Ipomoea muelleri</i>	10	0.02	
	<i>Rhagodia eremaea</i>	40	0.01	
	<i>Salsola australis</i>	30	0.03	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.15	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.2	
	<i>Senna notabilis</i>	20	0.01	
	<i>Solanum lasiophyllum</i>	50	0.1	
	<i>Sporobolus australasicus</i>		0.03	



<b>Plot:</b>	B044	<b>Corner</b>		
<b>Date:</b>	4-Apr	<b>Camera</b>	flooras camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2271	2272
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3153	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam/clay	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	735183	<b>Soil comments:</b>		
<b>NW Northing:</b>	7498033	<b>Outcrop:</b>		
<b>SE Easting:</b>	735236	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497981	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	2	0.5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	1000	8
<b>Disturbance:</b>	medium	<b>Lower</b>	50	5
<b>Condition:</b>	very good-excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	180	1	
	<i>Acacia ?synchronicia</i>	50	0.2	
	<i>Acacia aneura</i>	600	2	
	<i>Acacia citrinoviridis</i>	800	1	
	<i>Acacia inaequilatera</i>	150	0.4	
	<i>Acacia pruinocarpa</i>	1200	4	
*	<i>Aerva javanica</i>	40	0.01	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	40	2	
	<i>Cleome viscosa</i>	25	0.01	
	<i>Eremophila longifolia</i>		0.02	
	<i>Gossypium australe</i>		0.03	
	<i>Ipomoea muelleri</i>		0.1	
*	<i>Portulaca oleracea</i>		0.02	
	<i>Salsola australis</i>	30	0.04	
	<i>Sclerolaena diacantha</i>		0.1	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.06	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03	
	<i>Senna notabilis</i>	30	0.05	





<b>Plot:</b>	B045	<b>Corner</b>	nw	se
<b>Date:</b>	4-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2273	2274
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3152	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	734419	<b>Soil comments:</b>		
<b>NW Northing:</b>	7499155	<b>Outcrop:</b>		
<b>SE Easting:</b>	734469	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499105	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	1000	8
<b>Disturbance:</b>	medium	<b>Lower</b>	50	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	350	3	
	<i>Acacia aneura</i>	1000	7	
	<i>Acacia citrinoviridis</i>	450	1	
	<i>Acacia paraneura</i>	50	0.02	
	<i>Acacia pruinocarpa</i>	400	0.2	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	110	0.1	
	<i>Atalaya hemiglauca</i>		0.04	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	50	10	
	<i>Chrysopogon fallax</i>		0.1	
	<i>Cleome viscosa</i>	20	0.01	
*	<i>Portulaca oleracea</i>	3	0.01	
	<i>Sclerolaena</i> sp.			
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.1	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.1	
	<i>Senna notabilis</i>	30	0.05	



<b>Plot:</b>	B046	<b>Corner</b>	nw	se
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2282	2281
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3142	
<b>Zone:</b>	50	<b>Soils</b>	sandy clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	728971	<b>Soil comments:</b>		
<b>NW Northing:</b>	7501563	<b>Outcrop:</b>		
<b>SE Easting:</b>	729021	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501512	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, possible flowline		0.5	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	250	4
<b>Disturbance:</b>	low	<b>Lower</b>	100	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	45	
<b>Observations</b>	Goodenia microptera			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	70	0.05	
	<i>Acacia ancistrocarpa</i>	2000	2	
	<i>Acacia dictyophleba</i>		0.1	
	<i>Acacia pachyacra</i>	1000	0.1	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.1	
	<i>Boerhavia coccinea</i>		0.01	
	<i>Bonamia rosea</i>	30	1	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	5	0.01	
	<i>Cullen leucochaites</i>		0.2	
	<i>Cullen leucochaites</i>	60	0.05	
	<i>Dicrasyllis cordifolia</i>	40	0.06	
	<i>Euphorbia australis</i>		0.01	
	<i>Hakea chordophylla</i>		0.2	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	250	0.1	
	<i>Ptilotus polystachyus</i>	40	0.03	
	<i>Senna notabilis</i>	20	0.05	
	<i>Trianthema pilosa</i>	3	0.3	
	<i>Triodia basedowii</i>	100	50	





<b>Plot:</b>	B047	<b>Corner</b>	nw	se
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2286	2287
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3141	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	730116	<b>Soil comments:</b>		
<b>NW Northing:</b>	7500607	<b>Outcrop:</b>		
<b>SE Easting:</b>	730166	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500557	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	gtgg		0.5	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	800	2
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	250	7
<b>Disturbance:</b>	low	<b>Lower</b>	100	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	45	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	200	0.15	
	<i>Acacia dictyophleba</i>	250	5	
	<i>Acacia inaequilatera</i>	200	0.6	
	<i>Acacia pachyacra</i>	160	0.3	
	<i>Acacia spondylophylla</i>	100	0.2	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	150	0.6	
	<i>Aristida holathera</i> var. <i>holathera</i>		0.1	
	<i>Aristida inaequiglumis</i>	110	0.1	
	<i>Boerhavia coccinea</i>		0.02	
	<i>Bonamia rosea</i>	30	1	
	* <i>Cenchrus ciliaris</i>	100	35	
	<i>Corymbia hamersleyana</i>	800	2	
	<i>Cullen leucochaetes</i>	30	0.02	
	<i>Dicrastylis cordifolia</i>	40	0.03	
	<i>Eragrostis eriopoda</i>	30	0.01	
	<i>Eremophila longifolia</i>	200	0.3	
	<i>Gossypium australe</i>	50	0.4	
	<i>Gossypium robinsonii</i>	220	0.1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	100	0.1	
	<i>Hybanthus aurantiacus</i>	40	0.06	
	<i>Mollugo molluginea</i>	10	0.02	
	<i>Perotis rara</i>		0.01	
	<i>Polycarpaea longiflora</i>	15	0.01	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.02	
	<i>Tephrosia rosea</i> var. <i>glabrior</i>		0.05	
	<i>Themeda triandra</i>		0.1	
	<i>Tribulus suberosus</i>		0.01	
	<i>Triodia basedowii</i>	100	5	
	<i>Triodia epactia</i>		0.1	



<b>Plot:</b>	B048	<b>Corner</b>	nw	se
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2288	2289
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3145	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	731978	<b>Soil comments:</b>		
<b>NW Northing:</b>	7500791	<b>Outcrop:</b>		
<b>SE Easting:</b>	732028	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500741	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	350	4
<b>Disturbance:</b>	low	<b>Lower</b>	50	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	270	1	
	<i>Acacia ancistrocarpa</i>	180	0.2	
	<i>Acacia citrinoviridis</i>		0.1	
	<i>Acacia dictyophleba</i>	180	0.2	
	<i>Acacia inaequilatera</i>	250	0.3	
	<i>Acacia pruinocarpa</i>	350	2	
*	<i>Cenchrus ciliaris</i>	50	15	
	<i>Chrysopogon fallax</i>		0.1	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.2	
	<i>Hybanthus aurantiacus</i>		0.01	
	<i>Sporobolus australasicus</i>		0.05	



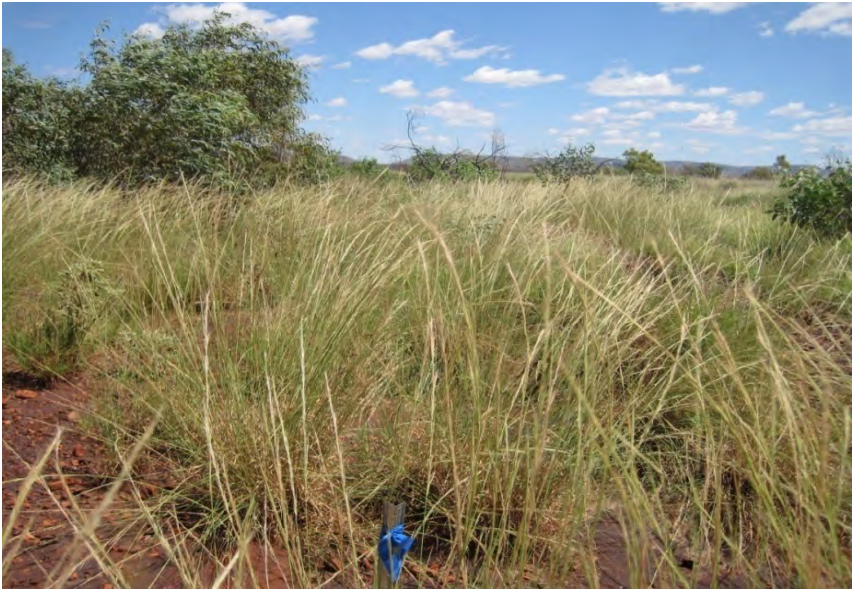


<b>Plot:</b>	B049	<b>Corner</b>	nw	se
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2290	22922
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3151	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	728689	<b>Soil comments:</b>		
<b>NW Northing:</b>	7502461	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	728739	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502411	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	2
<b>Disturbance:</b>	low	<b>Lower</b>	140	70
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adsurgens</i>	350	0.1	
	<i>Acacia ancistrocarpa</i>	180	4	
	<i>Acacia dictyophleba</i>		0.1	
	<i>Acacia pachyacra</i>		0.1	
	<i>Bonamia rosea</i>	30	0.3	
	<i>Cullen leucochaites</i>	40	0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	400	1	
	<i>Indigofera monophylla</i>	40	0.3	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	20	0.01	
	<i>Triodia basedowii</i>	100	25	
	<i>Triodia schinzii</i>	140	30	

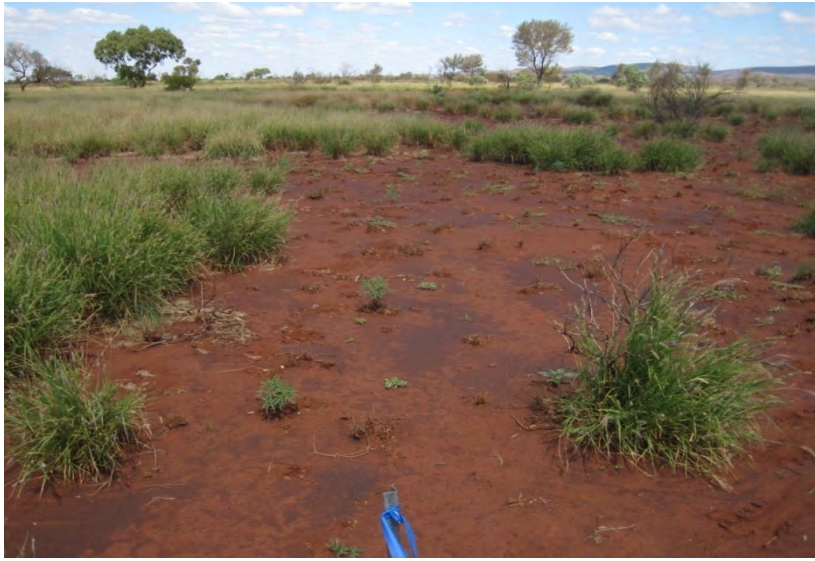


<b>Plot:</b>	B050	<b>Corner</b>	n	s
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2293	2294
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Lisa Bannister	
<b>Initials Revisit:</b>	SC / LB	<b>Photo # Revisit:</b>	lb0562	lb0563
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red	
<b>NW Easting:</b>	727469	<b>Soil comments:</b>	creekline lined with small rocks	
<b>NW Northing:</b>	7503487	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	727519	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7503435	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	minor creekline		1	3
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0-5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	6
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia dictyophleba</i>	60	0.1	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	400	3	
	<i>Aristida inaequiglumis</i>		15	
	<i>Aristida inaequiglumis</i>	130	5	
*	<i>Cenchrus ciliaris</i>	40	5	
	<i>Chrysopogon fallax</i>	100	0.05	
	<i>Cleome viscosa</i>	30	0.02	
	<i>corchorus crozophorifolius</i>		1	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	80	0.03	
	<i>Dampiera candidans</i>	50	0.02	
	<i>Euphorbia australis</i>		0.1	
	<i>Gossypium robinsonii</i>	3	0.05	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	200	0.1	
	<i>Indigofera monophylla</i>	50	0.1	
	<i>Senna notabilis</i>		0.01	
	<i>Stylobasium spathulatum</i>	350	1	
	<i>Tephrosia rosea</i> var. <i>glabrior</i>	50	0.05	





<b>Plot:</b>	B051	<b>Corner</b>	nw	se
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2295	2296
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Lisa Bannister	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	lb0580	lb0581
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	727357	<b>Soil comments:</b>		
<b>NW Northing:</b>	7503715	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	727407	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7503665	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	8000	1
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	160	4
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Abutilon otocarpum</i>			
	<i>Acacia ?synchronicia</i>	150	0.1	
	<i>Acacia aneura</i>	600	1	
	<i>Acacia dictyophleba</i>	160	0.2	
	<i>Aristida contorta</i>		0.01	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.02	
	<i>Aristida inaequiglumis</i>		0.1	
	<i>Asteraceae</i> sp.		0.02	
	<i>Boerhavia coccinea</i>		0.15	
	* <i>Cenchrus ciliaris</i>	50	17	
	<i>Chrysopogon fallax</i>		0.05	
	<i>Cleome viscosa</i>	20	0.01	
	<i>Corymbia hamersleyana</i>	800	1	
	<i>Dactyloctenium radulans</i>	15	0.01	
	<i>Dysphania kalpari</i>	20	0.01	
	<i>Eragrostis eriopoda</i>		0.01	
	<i>Euphorbia boophthona</i>	30	0.03	
	<i>Gossypium australe</i>	60	0.4	
	<i>Haloragis gossei</i> var. <i>gossei</i>		0.01	
	<i>Mollugo molluginea</i>	25	0.02	
	<i>Perotis rara</i>	10	0.01	
	<i>Polycarpaea holtzei</i>		0.01	
	<i>Polycarpaea longiflora</i>	12	0.01	
	* <i>Portulaca oleracea</i>		0.05	
	* <i>Portulaca oleracea</i>	3	0.02	
	<i>Pterocaulon serrulatum</i>		0.02	
	<i>Ptilotus obovatus</i>		0.03	
	<i>Salsola australis</i>	30	0.02	
	<i>Senna ?sp.</i> Meekatharra (E. Bailey 1-26)	40	0.15	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03	
	<i>Senna notabilis</i>	40	0.2	
	<i>Solanum lasiophyllum</i>	60	0.1	
	<i>Stylobasium spathulatum</i>	160	1	
	<i>Trianthema pilosa</i>	3	0.03	
	<i>Tribulus suberosus</i>		0.1	
	<i>Trichodesma zeylanicum</i>		0.01	
	<i>Triodia longiceps</i>	100	0.1	



<b>Plot:</b>	B052	<b>Corner</b>	nw	se
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2297	2298
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Lisa Bannister	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	lb0583	lb0584
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	726892	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7504112	<b>Outcrop:</b>		
<b>SE Easting:</b>	726942	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504062	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.2	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	100	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	80	0.05	
	<i>Acacia ancistrocarpa</i>	300	1	
	<i>Acacia inaequilatera</i>		2	
	<i>Acacia inaequilatera</i>	250	2	
	<i>Acacia pruinocarpa</i>	250	0.6	
	<i>Aristida contorta</i>		0.01	
	<i>Aristida holathera</i> var. <i>holathera</i>	50	0.2	
	<i>Aristida inaequiglumis</i>		0.03	
	<i>Aristida inaequiglumis</i>	100	1	
	<i>Boerhavia coccinea</i>		0.03	
	<i>Bonamia rosea</i>	30	4	
*	<i>Cenchrus ciliaris</i>		0.03	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Corchorus siddoides</i> subsp. <i>siddoides</i>	40	0.3	
	<i>Dicrasyllis cordifolia</i>	40	0.05	
	<i>Dysphania kalpari</i>	30	0.02	
	<i>Enneapogon polyphyllus</i>		0.01	
	<i>Eragrostis eriopoda</i>	40	0.225	
	<i>Eremophila forrestii</i>		0.04	
	<i>Eriachne aristidea</i>	30	0.01	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	10	0.01	
	<i>Eucalyptus gamophylla</i>	250	0.2	
	<i>Euphorbia ?australis</i>		0.02	
	<i>Goodenia microptera</i>	40	0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	150	0.1	
	<i>Haloragis gossei</i> var. <i>gossei</i>		0.01	
	<i>Indigofera monophylla</i>	40	0.05	
	<i>Keraudrenia nephrosperma</i>	50	0.03	
	<i>Polycarpaea corymbosa</i>		0.01	
*	<i>Portulaca oleracea</i>		0.08	
*	<i>Portulaca oleracea</i>	3	0.02	
	<i>Ptilotus astrolasius</i>	30	0.02	
	<i>Ptilotus calostachyus</i>		0.03	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.14	
	<i>Ptilotus obovatus</i>	30	0.01	
	<i>Senna ?sp.</i> Meekatharra (E. Bailey 1-26)	60	0.05	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	130	0.25	
	<i>Senna notabilis</i>	30	0.02	
	<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	50	0.1	
	<i>Solanum lasiophyllum</i>	60	0.1	
	<i>Tribulus suberosus</i>		0.1	
	<i>Triodia basedowii</i>		7	
	<i>Triodia basedowii</i>	100	7	





<b>Plot:</b>	B053	<b>Corner</b>	nw	se
<b>Date:</b>	5-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2299	2300
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Lisa Bannister	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	lb0596	lb0597
<b>Zone:</b>	50	<b>Soils</b>	sandy clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	725838	<b>Soil comments:</b>		
<b>NW Northing:</b>	7504769	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	725888	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504719	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	3
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	350	5
<b>Disturbance:</b>	low	<b>Lower</b>	100	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adsurgens</i>	300	0.03	
	<i>Acacia ancistrocarpa</i>	250	0.2	
	<i>Acacia inaequilatera</i>		3.5	
	<i>Acacia inaequilatera</i>	300	3.5	
	<i>Acacia pachyacra</i>		0.03	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	350	1	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	1	
*	<i>Cenchrus ciliaris</i>		0.03	
	<i>Cleome viscosa</i>	20	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	30	0.06	
	<i>Cucumis maderaspatanus</i>		0.3	
	<i>Eragrostis eriopoda</i>	60	0.1	
	<i>Eriachne aristidea</i>	30	0.01	
	<i>Euphorbia alsiniflora</i>		0.01	
	<i>Goodenia microptera</i>		0.01	
	<i>Gossypium australe</i>		0.03	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	380	0.6	
	<i>Haloragis gossei</i> var. <i>gossei</i>		0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.04	
	<i>Ptilotus polystachyus</i>	80	0.02	
	<i>Rhagodia eremaea</i>	80	0.2	
	<i>Senna notabilis</i>	30	0.05	
	<i>Trianthema pilosa</i>	3	0.16	
	<i>Trichodesma zeylanicum</i>		0.01	
	<i>Triodia basedowii</i>		30	
	<i>Triodia basedowii</i>	100	30	



<b>Plot:</b>	B054	<b>Corner</b>	nw	se
<b>Date:</b>	6-May	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2303	2304
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	726948	<b>Soil comments:</b>		
<b>NW Northing:</b>	7505992	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	726998	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505942	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	1	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	500	20
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	15
<b>Disturbance:</b>	medium	<b>Lower</b>	50	15
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	85	
<b>Observations</b>	cattle grazing			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	200	8	
	<i>Acacia ?synchronicia</i>	200	1	
	<i>Acacia aneura</i>	500	15	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	180	1	
*	<i>Cenchrus ciliaris</i>	50	12	
	<i>Centipeda minima</i>		0.01	
	<i>Chrysopogon fallax</i>		0.5	
	<i>Cleome viscosa</i>	30	0.02	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01	
	<i>Dactyloctenium radulans</i>		0.02	
	<i>Euphorbia boophthona</i>		0.01	
	<i>Maireana pyramidata</i>		0.04	
	<i>Ptilotus obovatus</i>	120	0.05	
	<i>Swainsona kingii</i>		0.01	





<b>Plot:</b>	B055	<b>Corner</b>	nw	se
<b>Date:</b>	6-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2307	2308
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	clay with pebbles	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	725504	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7507142	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	725554	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7507092	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	60	15
<b>Condition:</b>	excellent			
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	300	5	
	<i>Atriplex amnicola</i>	70	5	
	<i>Atriplex amnicola</i>	60	0.05	
	<i>Boerhavia coccinea</i>			
*	<i>Cenchrus ciliaris</i>	60	2	
	<i>Centipeda minima</i>		0.05	
	<i>Cleome viscosa</i>	25	0.02	
	<i>Dactyloctenium radulans</i>	25	0.02	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		0.02	
	<i>Maireana pyramidata</i>	80	3	
	<i>Marsilea hirsuta</i>		0.01	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.1	
	<i>Sclerolaena cuneata</i>	20	0.02	
	<i>Sclerolaena diacantha</i>	30	0.1	
	<i>Sporobolus australasicus</i>	20	0.01	
	<i>Sporobolus australasicus</i>		0.03	



<b>Plot:</b>	B056	<b>Corner</b>	nw	se
<b>Date:</b>	6-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2309	2310
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3148	
<b>Zone:</b>	50	<b>Soils</b>	clay	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	725912	<b>Soil comments:</b>		
<b>NW Northing:</b>	7507060	<b>Outcrop:</b>		
<b>SE Easting:</b>	725962	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7507010	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.2	1	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	12
<b>Disturbance:</b>	low	<b>Lower</b>	60	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	92	
<b>Observations</b>	cattle. some flowlines			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronica</i>	200	10	
	<i>Acacia aneura</i>		0.1	
	<i>Atriplex amnicola</i>	60	4	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	40	2	
	<i>Dactyloctenium radulans</i>	20	0.01	
	<i>Eragrostis ?setifolia</i>	20	0.02	
	<i>Eremophila longifolia</i>		0.1	
	<i>Eucalyptus ?leucophloia</i>	300	0.2	
	<i>Ipomoea muelleri</i>		0.01	
	<i>Maireana pyramidata</i>	60	1.5	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Rhagodia eremaea</i>	80	0.1	
	<i>Salsola australis</i>	30	0.1	
	<i>Sclerolaena cuneata</i>	30	0.1	
	<i>Sclerolaena diacantha</i>	30	0.05	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.01	
	<i>Sporobolus australasicus</i>		0.02	
	<i>Streptoglossa ?decurrens</i>	50	0.01	





<b>Plot:</b>	B057	<b>Corner</b>	nw	se
<b>Date:</b>	6-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2311	2312
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3149	
<b>Zone:</b>	50	<b>Soils</b>	clay with some pebbles	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	726199	<b>Soil comments:</b>		
<b>NW Northing:</b>	7506581	<b>Outcrop:</b>		
<b>SE Easting:</b>	726249	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506531	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with some flowlines	0	0.1	0.1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	3
<b>Disturbance:</b>	low	<b>Lower</b>	550	4
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	200	2	
	<i>Atriplex amnicola</i>	60	0.3	
*	<i>Cenchrus ciliaris</i>	40	1.5	
	<i>Dactyloctenium radulans</i>	30	0.02	
	<i>Maireana pyramidata</i>		0.1	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.5	
	<i>Rhagodia eremaea</i>	80	0.05	
	<i>Salsola australis</i>	30	0.2	
	<i>Sclerolaena cuneata</i>	30	0.1	
	<i>Sclerolaena diacantha</i>	30	0.02	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.01	
	<i>Sporobolus australasicus</i>		0.02	
	<i>Trianthema triquetra</i>		0.1	



<b>Plot:</b>	B058	<b>Corner</b>	nw	se
<b>Date:</b>	6-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2313	2314
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown black	
<b>NW Easting:</b>	725825	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7505736	<b>Outcrop:</b>		
<b>SE Easting:</b>	725875	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505686	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	3	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0-5	<b>Upper</b>	700	8
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	12
<b>Disturbance:</b>	medium	<b>Lower</b>	60	15
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	80	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	250	7	
	<i>Acacia aneura</i>	700	8	
	<i>Acacia aneura</i>	200	1	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	200	0.2	
	<i>Acacia tetragonophylla</i>	180	0.2	
	<i>Aristida contorta</i>		0.01	
	<i>Boerhavia coccinea</i>		0.1	
*	<i>Cenchrus ciliaris</i>	50	5	
	<i>Chrysopogon fallax</i>	110	0.05	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.03	
	<i>Dactyloctenium radulans</i>	5	0.01	
	<i>Dysphania rhadinostachya</i>		0.01	
	<i>Eragrostis tenellula</i>	30	0.05	
	<i>Eremophila longifolia</i>	150	0.05	
	<i>Gossypium australe</i>	80	0.07	
	<i>Indigofera monophylla</i>	10	0.01	
	<i>Ipomoea muelleri</i>		0.02	
*	<i>Portulaca oleracea</i>		0.05	
	<i>Ptilotus obovatus</i>		0.03	
	<i>Salsola australis</i>		0.01	
	<i>Sclerolaena cornishiana</i>		0.01	
	<i>Senna glutinosa</i> subsp ?	150	0.03	
	<i>Sida platycalyx</i>		0.01	
	<i>Solanum lasiophyllum</i>	60	0.4	
	<i>Sporobolus australasicus</i>		0.01	
	<i>Trianthema triquetra</i>		0.01	
	<i>Triodia basedowii</i>		2	
	<i>Triodia basedowii</i>	80	2	





<b>Plot:</b>	B059	<b>Corner</b>		
<b>Date:</b>	40639	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2315	2316
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3150	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown black	
<b>NW Easting:</b>	727126	<b>Soil comments:</b>		
<b>NW Northing:</b>	7504732	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	727176	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504682	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	4	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	800	15
<b>Time since fire (yrs):</b>	less than 5	<b>Mid</b>		
<b>Disturbance:</b>	medium	<b>Lower</b>	50	15
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	80	
<b>Observations</b>	many dead trees			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Abutilon fraseri</i>	40	0.02	
	<i>Acacia ?synchronicia</i>	150	0.01	
	<i>Acacia paraneura</i>	100	3	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	50	15	
	<i>Centipeda minima</i>		0.01	
	<i>Chrysopogon fallax</i>	120	0.2	
	<i>Cleome viscosa</i>	30	0.02	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.03	
	<i>Corymbia hamersleyana</i>	500	1	
	<i>Dysphania kalpari</i>		0.05	
	<i>Euphorbia ?australis</i>		0.01	
	<i>Euphorbia boophthona</i>		0.01	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.1	
	<i>Gossypium australe</i>	40	0.06	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.5	
	<i>Indigofera monophylla</i>	40	0.04	
	<i>Ipomoea muelleri</i>		0.15	
	<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>		0.01	
	<i>Notoleptopus decaisnei</i>	30	0.02	
*	<i>Portulaca oleracea</i>		0.04	
*	<i>Portulaca oleracea</i>		0.02	
	<i>Pterocaulon sphaeranthoides</i>		0.1	
	<i>Ptilotus obovatus</i>		0.04	
	<i>Rhagodia eremaea</i>	60	0.03	
	<i>Salsola australis</i>	30	0.02	
	<i>Sclerolaena densiflora</i>		0.02	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i> x		0.3	
	<i>Solanum lasiophyllum</i>		0.1	
	<i>Sporobolus australasicus</i>	10	0.01	



<b>Plot:</b>	B060	<b>Corner</b>	nw	se
<b>Date:</b>	13-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2433	2434
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3104	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738669	<b>Soil comments:</b>	some small rockks present	
<b>NW Northing:</b>	7485539	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	738719	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485489	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	5
<b>Disturbance:</b>	low	<b>Lower</b>	100	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>	.			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	100	4	
	<i>Acacia ancistrocarpa</i>	150	3	
	<i>Acacia bivenosa</i>	220	0.1	
	<i>Acacia pachyacra</i>	110	0.05	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	200	1	
	<i>Aristida holathera</i> var. <i>holathera</i>	60	0.1	
	<i>Bonamia rosea</i>	40	0.1	
	<i>Cleome viscosa</i>	50	0.1	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	10	0.01	
	<i>Corymbia hamersleyana</i>	250	0.1	
	<i>Dicrasyllis cordifolia</i>	50	0.1	
	<i>Eragrostis eriopoda</i>	50	0.1	
	<i>Eriachne aristidea</i>	40	0.02	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	5	0.01	
	<i>Euphorbia ?australis</i>		0.01	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	200	0.5	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.05	
	<i>Haloragis gossei</i> var. <i>gossei</i>		0.01	
	<i>Hybanthus aurantiacus</i>	60	0.05	
	<i>Ipomoea muelleri</i>		0.02	
	<i>Mollugo molluginea</i>	20	0.2	
	<i>Paraneurachne muelleri</i>		0.2	
	<i>Polycarpaea holtzei</i>		0.01	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Ptilotus astrolasius</i>	30	0.15	
	<i>Ptilotus calostachyus</i>		0.02	
	<i>Ptilotus obovatus</i>	20	0.02	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	30	0.03	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>		0.1	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	1	
	<i>Senna notabilis</i>	10	0.01	
	<i>Trianthema pilosa</i>		0.02	
	<i>Tribulus suberosus</i>	130	3	
	<i>Tribulus suberosus</i>		0.1	



<i>Triodia basedowii</i>	100	10	
<i>Triodia epactia</i>	120	0.1	
<i>Wahlenbergia tumidifructa</i>		0.02	





<b>Plot:</b>	B061	<b>Corner</b>	n	s
<b>Date:</b>	13-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2441	2442
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3103	
<b>Zone:</b>	50	<b>Soils</b>	sandy clay	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738280	<b>Soil comments:</b>	lined with rocks	
<b>NW Northing:</b>	7485696	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	738263	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485674	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat flowline		0.5	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	250	20
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	very good	<b>Bare ground (%):</b>		
<b>Observations</b>	50m transect along creekline. disturbance adjacent to transect			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	200	2	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	300	20	
	<i>Aristida holathera</i> var. <i>holathera</i>	50	1	
	<i>Boerhavia coccinea</i>		0.5	
*	<i>Cenchrus ciliaris</i>	60	10	
	<i>Cleome viscosa</i>	50	1	
	<i>Gossypium robinsonii</i>	250	0.5	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	300	1	
	<i>Polycarpaea longiflora</i>		0.02	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	30	0.1	
	<i>Santalum lanceolatum</i>		1	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	1	
	<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)		0.04	
	<i>Triodia epactia</i>	100	6	





<b>Plot:</b>	B062	<b>Corner</b>	nw	se
<b>Date:</b>	13-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2444	2443
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit;</b>	3102	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737472	<b>Soil comments:</b>	some small rocks	
<b>NW Northing:</b>	7485933	<b>Outcrop:</b>	nna	
<b>SE Easting:</b>	737522	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485883	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, at the base of the hill		0.5	0.5
<b>Aspect:</b>	west	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0-5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	2
<b>Disturbance:</b>	low	<b>Lower</b>	50	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	mouth of canyon, niche ecotone			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	50	3	
	<i>Acacia bivenosa</i>	200	0.15	
	<i>Acacia inaequilatera</i>	200	1	
	<i>Acacia maitlandii</i>	150	3	
	<i>Acacia pachyacra</i>	200	0.5	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	200	2	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.3	
	<i>Bulbostylis barbata</i>	5	0.01	
	<i>Cleome viscosa</i>	50	0.1	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	1	
	<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	30	0.2	
	<i>Eragrostis eriopoda</i>		0.1	
	<i>Eragrostis tenellula</i>	50	0.02	
	<i>Eriachne aristidea</i>	30	0.02	
	<i>Eriachne mucronata</i>		0.05	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	20	0.1	
	<i>Fimbristylis simulans</i>	15	0.01	
	<i>Gomphrena cunninghamii</i>	20	0.02	
	<i>Goodenia microptera</i>	50	0.02	
	<i>Goodenia microptera</i>	40	0.02	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	110	0.1	
	<i>Hakea chordophylla</i>		0.1	
	<i>Heliotropium ? pachyphyllum</i>	30	2	
	<i>Heliotropium ? pachyphyllum</i>		2	
	<i>Indigofera monophylla</i>	40	0.05	
	<i>Keraudrenia nephrosperma</i>	60	0.2	
	<i>Mollugo molluginea</i>	20	0.03	
	<i>Ptilotus astrolasius</i>	30	0.1	
	<i>Ptilotus auriculifolius</i>	70	3	
	<i>Ptilotus calostachyus</i>	40	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	1.5	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.2	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	80	0.5	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	50	0.1	
	<i>Senna notabilis</i>	40	0.1	
	<i>Sida</i> sp.		0.1	
	<i>Solanum lasiophyllum</i>	50	2	
	<i>Trianthema glossostigma</i>		0.01	
	<i>Trianthema pilosa</i>		0.1	
	<i>Triodia basedowii</i>	80	1	

<i>Triodia epactia</i>	30	3	
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<b>Plot:</b>	B063	<b>Corner</b>	nw	se
<b>Date:</b>	13-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2449	2450
<b>Initials:</b>	jkl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3084	
<b>Zone:</b>	50	<b>Soils</b>	rocky	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	741792	<b>Soil comments:</b>	rock	
<b>NW Northing:</b>	7486277	<b>Outcrop:</b>	heavy bis	
<b>SE Easting:</b>	741842	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486227	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	hillside		0.2	0.4
<b>Aspect:</b>	se	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	5 to 15 degrees	<b>Upper</b>	500	3
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	180	2
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	150	0.1	
	<i>Acacia bivenosa</i>	200	0.2	
	<i>Acacia citrinoviridis</i>	40	0.02	
	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	500	3	
	<i>Fimbristylis simulans</i>	10	0.02	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.5	
	<i>Polycarpaea holtzei</i>	2	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	80	0.1	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.03	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>		0.1	
	<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	110	0.5	
	<i>Tribulus suberosus</i>	50	0.1	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 38)	30	50	



<b>Plot:</b>	B064	<b>Corner</b>	nw	se
<b>Date:</b>	13-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2452	2453
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3082	
<b>Zone:</b>	50	<b>Soils</b>	rocky	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	741307	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485829	<b>Outcrop:</b>	many bis	
<b>SE Easting:</b>	741357	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485779	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	hillside		0.1	0.1
<b>Aspect:</b>	west	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	5 to 15	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	80	2
<b>Disturbance:</b>	low	<b>Lower</b>	30	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>	drainage lines			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	50	0.5	
	<i>Acacia pruinocarpa</i>	110	0.2	
	<i>Fimbristylis simulans</i>	10	0.05	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>		0.15	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	110	0.2	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.1	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	150	2	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	100	0.5	
	<i>Tribulus suberosus</i>	50	0.1	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwe)	30	50	





<b>Plot:</b>	B065	<b>Corner</b>	n	s
<b>Date:</b>	13-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2454	2455
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3083	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam with rocks	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	741154	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485819	<b>Outcrop:</b>	many bis	
<b>SE Easting:</b>	741200	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485799	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	creekline		1	2
<b>Aspect:</b>	west	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0-55	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	15
<b>Disturbance:</b>	low	<b>Lower</b>	80	60
<b>Condition:</b>	excellentt	<b>Bare ground (%):</b>		
<b>Observations</b>	50m transect. creekline coming from hills			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	60	0.5	
	<i>Acacia ancistrocarpa</i>	200	4	
	<i>Acacia citrinoviridis</i>	180	0.6	
	<i>Acacia pruinocarpa</i>	200	2	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.1	
*	<i>Cenchrus ciliaris</i>	40	10	
	<i>Cleome viscosa</i>	30	0.1	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Duperreya commixta</i>		0.02	
	<i>Eriachne mucronata</i>	50	0.1	
	<i>Euphorbia australis</i>		6	
	<i>Euphorbia boophthona</i>		0.02	
	<i>Gomphrena cunninghamii</i>		0.02	
	<i>Gossypium australe</i>	30	0.1	
	<i>Gossypium robinsonii</i>	250	4	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	300	10	
	<i>Hybanthus aurantiacus</i>		0.01	
	<i>Indigofera monophylla</i>	110	2	
	<i>Notoleptopus decaisnei</i>		0.04	
	<i>Paraneurachne muelleri</i>	50	0.1	
	<i>Polycarpaea longiflora</i>	30	0.1	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.1	
	<i>Ptilotus obovatus</i>	80	0.2	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	150	2	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	100	0.1	
	<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	100	0.1	
	<i>Themeda triandra</i>	100	0.5	
	<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	10	0.1	
	<i>Triodia epactia</i>	80	50	



<b>Plot:</b>	B066	<b>Corner</b>	nw	se
<b>Date:</b>	13-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2458	2459
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3081	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742350	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485680	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742400	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485630	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	0.5	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	4
<b>Disturbance:</b>	low	<b>Lower</b>	100	28
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	50	0.05	
	<i>Acacia dictyophleba</i>	350	2	
	<i>Acacia inaequilatera</i>	35	2	
	<i>Aristida hygrometrica</i>		0.05	
	<i>Corymbia hamersleyana</i>	800	1	
	<i>Cucumis maderaspatanus</i>		0.15	
	<i>Dicrastylis cordifolia</i>	50	0.2	
	<i>Eragrostis eriopoda</i>	50	0.1	
	<i>Eriachne mucronata</i>	50	0.02	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	300	1	
	<i>Rhagodia eremaea</i>	80	0.1	
	<i>Scaevola spinescens</i>	80	1	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	70	0.2	
	<i>Trianthema pilosa</i>		0.02	
	<i>Triodia epactia</i>	80	25	
	<i>Triodia schinzii</i>	100	1	





<b>Plot:</b>	B067	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2467	2468
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3079	
<b>Zone:</b>	50	<b>Soils</b>	rocky sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	741892	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485707	<b>Outcrop:</b>	bis	
<b>SE Easting:</b>	741942	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485657	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	hillside		1	4
<b>Aspect:</b>	south	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	15 to 25	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	250	8
<b>Disturbance:</b>	low	<b>Lower</b>	30	50
<b>Condition:</b>	excellnt	<b>Bare ground (%):</b>	30	
<b>Observations</b>	steep hill climb. base of hills = 30m strip of triodia red awn, starts at easting 742100 100m east			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia bivenosa</i>	250	7	
*	<i>Cenchrus setiger</i>	100	0.2	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	100	0.3	
	<i>Eriachne aristidea</i>	30	0.1	
	<i>Eriachne mucronata</i>	40	0.5	
	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	350	1.5	
	<i>Euphorbia boophthona</i>	5	0.01	
	<i>Fimbristylis simulans</i>	20	0.1	
	<i>Gomphrena cunninghamii</i>	25	0.02	
	<i>Goodenia muelleriana</i>	20	0.01	
	<i>Gossypium robinsonii</i>		0.1	
	<i>Hibiscus coatesii</i>	30	0.01	
	<i>Polycarpaea holtzei</i>	2	0.01	
	<i>Ptilotus obovatus</i>		0.2	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	30	0.05	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	80	0.02	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	120	0.5	
	<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	110	0.1	
	<i>Senna notabilis</i>	30	0.04	
	<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	20	0.04	
	<i>Triodia epactia</i>	60	8	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)	40	40	



<b>Plot:</b>	B068	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2469	2470
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3080	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742144	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485650	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742194	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485600	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, base of hills		3	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0 to 1	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	230	6
<b>Disturbance:</b>	low	<b>Lower</b>	130	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia bivenosa</i>	180	1	
	<i>Acacia dictyophleba</i>	120	4	
	<i>Acacia pachyacra</i>	200	1	
	<i>Aristida holathera</i> var. <i>holathera</i>	49	0.01	
*	<i>Cenchrus ciliaris</i>	40	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	40	0.05	
	<i>Dicrastylis cordifolia</i>	50	0.2	
	<i>Eragrostis eriopoda</i>	50	0.2	
	<i>Eriachne aristidea</i>	30	0.1	
	<i>Eucalyptus gamophylla</i>	200	0.5	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	200	1	
	<i>Hybanthus aurantiacus</i>	80	0.01	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.2	
	<i>Senna notabilis</i>	30	0.02	
	<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)		0.1	
	<i>Trianthema pilosa</i>		0.1	
	<i>Triodia schinzii</i>	130	25	



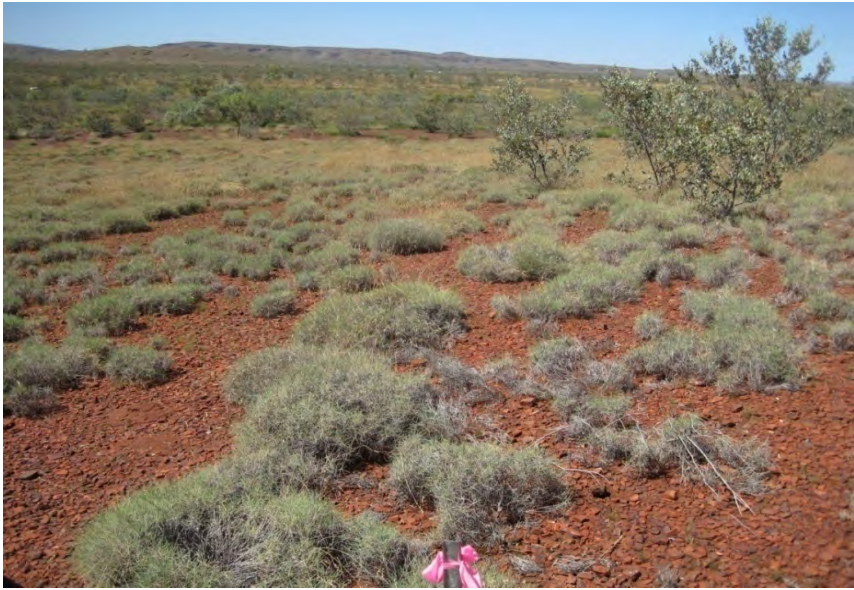


<b>Plot:</b>	B069	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2471	2472
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3105	
<b>Zone:</b>	50	<b>Soils</b>	red brown sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	739571	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485551	<b>Outcrop:</b>	some small bif rocks	
<b>SE Easting:</b>	739622	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485501	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	lower slope		1	0.5
<b>Aspect:</b>	north west	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0 to 5	<b>Upper</b>	500	1
<b>Time since fire:</b>	plus5	<b>Mid</b>	250	4
<b>Disturbance:</b>	low	<b>Lower</b>	100	29
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations:</b>	base of bif hill			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia pachyacra</i>	200	0.2	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	250	0.5	
	<i>Aristida holathera</i>		0.04	
	<i>Cleome viscosa</i>	30	0.02	
	<i>Corymbia hamersleyana</i>	500	1.5	
	<i>Eriachne mucronata</i>		0.04	
	<i>Fimbristylis simulans</i>	20	0.02	
	<i>Goodenia scaevolina</i>		0.03	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	250	3	
	<i>Mollugo molluginea</i>	20	0.03	
	<i>Polycarpaea holtzei</i>	2	0.02	
	<i>Ptilotus calostachyus</i>		0.02	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.04	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	130	0.3	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	40	0.01	
	<i>Tephrosia rosea</i> var. <i>glabrior</i>		0.02	
	<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	50	0.06	
	<i>Tribulus suberosus</i>		0.01	
	<i>Triodia epactia</i>	100	3	
	<i>Triodia epactia</i>	50	2	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)	30	12	
	<i>Wahlenbergia tumidifructa</i>		0.02	



<b>Plot:</b>	B070	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2474	2475
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3097	
<b>Zone:</b>	50	<b>Soils</b>	rocky with loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737621	<b>Soil comments:</b>	bif rocks	
<b>NW Northing:</b>	7486471	<b>Outcrop:</b>		
<b>SE Easting:</b>	737671	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486421	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	lower slope of a bif hill		0.2	0.5
<b>Aspect:</b>	east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0 to 5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	3
<b>Disturbance:</b>	low	<b>Lower</b>	40	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>	drainage lines have triodia sticky with more dense snappy gum and grevilla wickhamii			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Aristida holathera</i> var. <i>holathera</i>		0.1	
	<i>Dysphania kalpari</i>		0.01	
	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	250	0.2	
	<i>Fimbristylis simulans</i>	10	0.2	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	250	1	
	<i>Mollugo molluginea</i>		0.01	
	<i>Polycarpaea longiflora</i>		0.01	
*	<i>Portulaca oleracea</i>		0.02	
	<i>Ptilotus calostachyus</i>	50	0.01	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	1120	0.05	
	<i>Senna notabilis</i>	5	0.01	
	<i>Solanum lasiophyllum</i>		0.1	
	<i>Tribulus suberosus</i>	100	0.1	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)	30	12	





<b>Plot:</b>	B071	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2484	2485
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3098	
<b>Zone:</b>	50	<b>Soils</b>	rocky with loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	737722	<b>Soil comments:</b>	base of bif hills	
<b>NW Northing:</b>	7486506	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	737772	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486456	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with some creeklines from bifhill runoff		0.5	0.5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	6
<b>Disturbance:</b>	low	<b>Lower</b>	80	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	50	1	
	<i>Acacia inaequilatera</i>	250	1	
	<i>Aristida holathera</i> var. <i>holathera</i>	50	0.1	
	<i>Dicrastylis cordifolia</i>	60	0.15	
	<i>Eucalyptus gamophylla</i>		0.06	
	<i>Euphorbia ?australis</i>		0.02	
	<i>Fimbristylis simulans</i>	20	0.06	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	300	8	
	<i>Haloragis gossei</i> var. <i>gossei</i>		0.01	
	<i>Mollugo molluginea</i>	30	0.03	
	<i>Polycarpaea holtzei</i>	2	0.01	
	<i>Polycarpaea longiflora</i>	10	0.01	
*	<i>Portulaca oleracea</i>		0.08	
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Ptilotus calostachyus</i>	80	0.2	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	110	0.2	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	100	0.1	
	<i>Senna notabilis</i>	10	0.01	
	<i>Solanum lasiophyllum</i>	50	0.04	
	<i>Stylobasium spathulatum</i>	200	0.4	
	<i>Trianthema glossostigma</i>		0.04	
	<i>Triodia epactia</i>	100	7	
	<i>Triodia ? basedowii</i>	60	4	
	<i>Wahlenbergia tumidifruca</i>		0.02	



<b>Plot:</b>	B072	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Initials Revisit;</b>	8/07/2011	<b>Photo #</b>	2487	2488
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Date Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3094	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738206	<b>Soil comments:</b>	some small rocks	
<b>NW Northing:</b>	7486730	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	738256	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486680	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	12
<b>Disturbance:</b>	low	<b>Lower</b>	80	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	90	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>	60	2.5	
	<i>Acacia maitlandii</i>	20	0.15	
	<i>Acacia pachyacra</i>	140	0.2	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	200	2	
	<i>Aristida holathera</i> var. <i>holathera</i>	50	0.5	
	<i>Bonamia rosea</i>	30	0.01	
	<i>Cleome viscosa</i>	50	0.14	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	40	0.05	
	<i>Dicrastylis cordifolia</i>		0.05	
	<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	30	0.01	
	<i>Eragrostis eriopoda</i>	50	0.1	
	<i>Eriachne mucronata</i>		0.1	
	<i>Fimbristylis simulans</i>	10	0.05	
	<i>Gomphrena cunninghamii</i>	20	0.01	
	<i>Goodenia microptera</i>		0.02	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	250	3	
	<i>Hakea chordophylla</i>	150	0.2	
	<i>Haloragis gossei</i> var. <i>gossei</i>		0.01	
	<i>Indigofera monophylla</i>		0.02	
	<i>Mollugo molluginea</i>	15	0.2	
	<i>Petalostylis cassioides</i>	200	4	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Ptilotus astrolasius</i>	30	0.05	
	<i>Ptilotus calostachyus</i>	60	0.04	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.02	
	<i>Ptilotus obovatus</i>	20	0.01	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	30	0.15	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.4	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	110	0.1	
	<i>Senna notabilis</i>	40	0.01	
	<i>Solanum lasiophyllum</i>	50	0.1	
	<i>Stylobasium spathulatum</i>	160	1	
	<i>Tephrosia rosea</i> var. <i>glabrior</i>	40	0.1	
	<i>Themeda triandra</i>	80	0.02	



<i>Trianthema pilosa</i>		0.2	
<i>Tribulus suberosus</i>		0.1	
<i>Triodia epactia</i>	100	4	
<i>Triodia ? basedowii</i>	70	5	
<i>Yakirra australiensis</i>	15	0.02	





<b>Plot:</b>	B073	<b>Corner</b>	e	w
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2496	2491
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3093	
<b>Zone:</b>	50	<b>Soils</b>	sandy loams	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738090	<b>Soil comments:</b>	creekline rocks	
<b>NW Northing:</b>	7486912	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	738040	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486901	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	creekline		2	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	50
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	20	
<b>Observations</b>	50m transect east to west varies from 10 to 20m wide			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>		0.1	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	300	5	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	300	25	
	<i>Bonamia rosea</i>	30	6	
*	<i>Cenchrus ciliaris</i>	100	60	
	<i>Cleome viscosa</i>	50	1	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.05	
	<i>Corymbia hamersleyana</i>	400	1	
	<i>Dicrastylis cordifolia</i>		0.1	
	<i>Eragrostis eriopoda</i>	40	0.5	
	<i>Euphorbia biconvexa</i>		0.02	
	<i>Gossypium robinsonii</i>	280	1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	300	8	
	<i>Hybanthus aurantiacus</i>	50	1	
	<i>Mollugo molluginea</i>	20	0.1	
	<i>Paraneurachne muelleri</i>	60	0.1	
	<i>Petalostylis cassioides</i>	200	4	
	<i>Rhynchosia minima</i>		0.03	
	<i>Scaevola spinescens</i>		0.1	
	<i>Senna notabilis</i>	30	0.1	
	<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	40	0.01	
	<i>Stylobasium spathulatum</i>	80	0.5	
	<i>Tephrosia rosea</i> var. <i>glabrior</i>	50	0.1	
	<i>Themeda triandra</i>	110	0.2	
	<i>Triodia epactia</i>	120	10	
	<i>Wahlenbergia tumidifruca</i>		0.01	
	<i>Yakirra australiensis</i>	20	0.02	





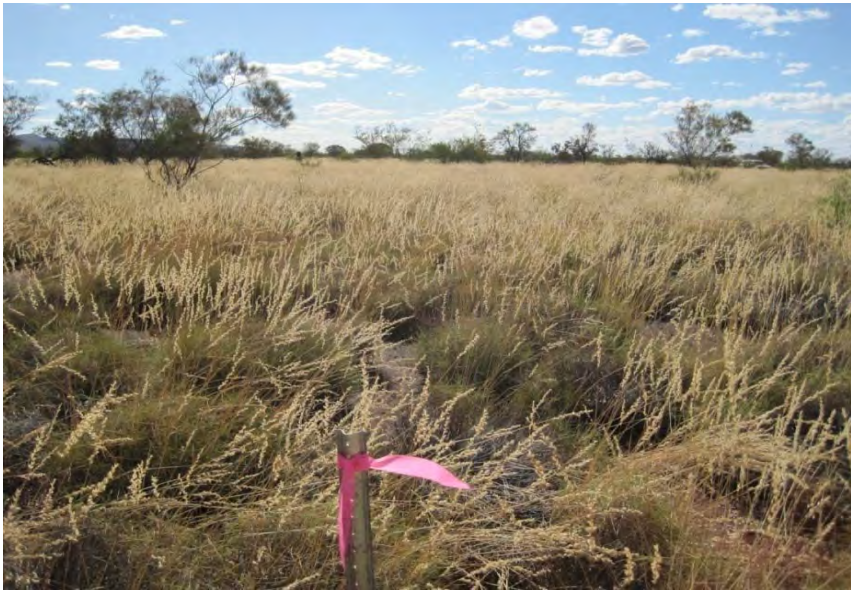
<b>Plot:</b>	B074	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2497	2498
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3096	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	739717	<b>Soil comments:</b>		
<b>NW Northing:</b>	7486761	<b>Outcrop:</b>		
<b>SE Easting:</b>	739767	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486711	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	5
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	6
<b>Disturbance:</b>	low	<b>Lower</b>	100	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	250	5	
	<i>Acacia citrinoviridis</i>	150	0.2	
	<i>Acacia dictyophleba</i>	200	0.2	
	<i>Acacia inaequilatera</i>	300	3	
	<i>Acacia pachyacra</i>	160	1	
	<i>Acacia pruinocarpa</i>	900	1	
	<i>Aristida holathera</i> var. <i>holathera</i>		0.1	
	<i>Atalaya hemiglauca</i>	220	0.6	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	50	3	
	<i>Cleome viscosa</i>	50	0.05	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	0.1	
	<i>Corymbia hamersleyana</i>	900	2	
	<i>Eragrostis eriopoda</i>	40	1	
	<i>Gomphrena cunninghamii</i>	20	0.01	
	<i>Hakea chordophylla</i>		0.04	
	<i>Rhagodia eremaea</i>		0.06	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.1	
	<i>Senna notabilis</i>	20	0.01	
	<i>Solanum lasiophyllum</i>	50	0.02	
	<i>Trianthema pilosa</i>		0.01	
	<i>Triodia epactia</i>	100	15	





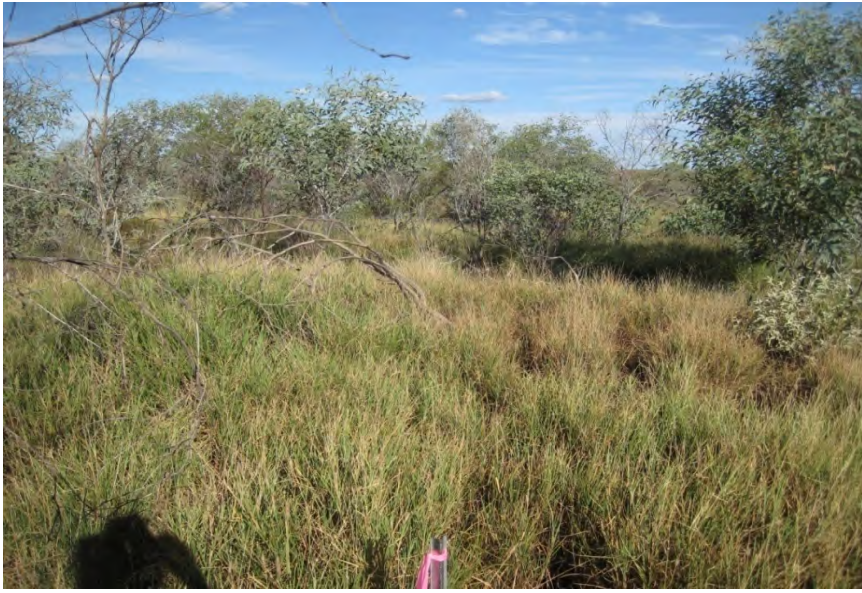
<b>Plot:</b>	B075	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2501	2502
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3095	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738995	<b>Soil comments:</b>		
<b>NW Northing:</b>	7486987	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	739045	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7486837	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	6
<b>Disturbance:</b>	low	<b>Lower</b>	100	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia pachyacra</i>	400	4	
	<i>Aristida holathera</i> var. <i>holathera</i>	30	0.1	
	<i>Cleome viscosa</i>	50	0.04	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.03	
	<i>Dicrastylis cordifolia</i>	50	0.1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	250	0.4	
	<i>Haloragis gossei</i> var. <i>gossei</i>		0.01	
	<i>Petalostylis cassioides</i>	200	3	
	<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	30	0.01	
	<i>Senna notabilis</i>	20	0.1	
	<i>Trianthema pilosa</i>		0.02	
	<i>Triodia epactia</i>	70	65	
	<i>Velleia panduriformis</i>	25	0.02	
	<i>Yakirra australiensis</i>	20	0.1	





<b>Plot:</b>	B076	<b>Corner</b>	nw	se
<b>Date:</b>	14-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2508	2507
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3092	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	738447	<b>Soil comments:</b>		
<b>NW Northing:</b>	7487494	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	738499	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7487446	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, flowlines		3	8
<b>Aspect:</b>	naa	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	400	12
<b>Disturbance:</b>	low	<b>Lower</b>	100	70
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	15	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia arida</i>	150	0.05	
	<i>Acacia maitlandii</i>	200	0.2	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	300	3	
	<i>Acacia spondylophylla</i>	60	2	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	400	8	
	<i>Aristida holathera</i> var. <i>holathera</i>		0.2	
	<i>Boerhavia coccinea</i>		0.03	
*	<i>Cenchrus ciliaris</i>	60	35	
	<i>Cleome viscosa</i>	40	0.1	
	<i>Corchorus lasiocarpus</i> subsp. ? <i>lasiocarpus</i>		0.02	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	0.06	
	<i>Eragrostis eriopoda</i>		0.2	
	<i>Eriachne aristidea</i>	15	0.02	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.05	
	<i>Eucalyptus gamophylla</i>	400	2	
	<i>Euphorbia biconvexa</i>	30	0.02	
	<i>Gossypium australe</i>	150	2	
	<i>Gossypium robinsonii</i>	200	0.5	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	220	1.5	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1	
	<i>Hybanthus aurantiacus</i>	50	0.05	
	<i>Indigofera monophylla</i>		0.1	
	<i>Mollugo molluginea</i>	10	0.01	
	<i>Notoleptopus decaisnei</i>		0.01	
	<i>Petalostylis cassioides</i>	200	0.5	
	<i>Polycarpaea longiflora</i>	20	0.02	
	<i>Ptilotus astrolasius</i>		0.1	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	30	0.03	
	<i>Ptilotus obovatus</i>	80	0.3	
	<i>Rhynchosia minima</i>		0.03	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	3	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>		0.05	
	<i>Solanum lasiophyllum</i>	50	0.02	
	<i>Stylobasium spathulatum</i>	200	2	

<i>Tephrosia rosea</i> var. <i>glabrior</i>		0.02	
<i>Themeda triandra</i>		0.1	
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	20	0.01	
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	50	0.05	
<i>Triodia epactia</i>	100	10	
<i>Triumfetta leptacantha</i>		0.06	
<i>Wahlenbergia tumidifructa</i>		0.3	





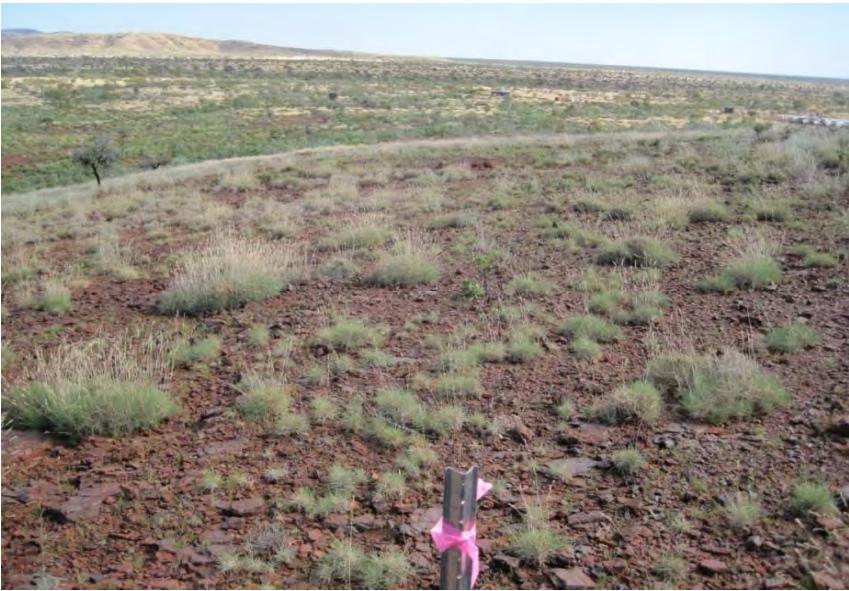
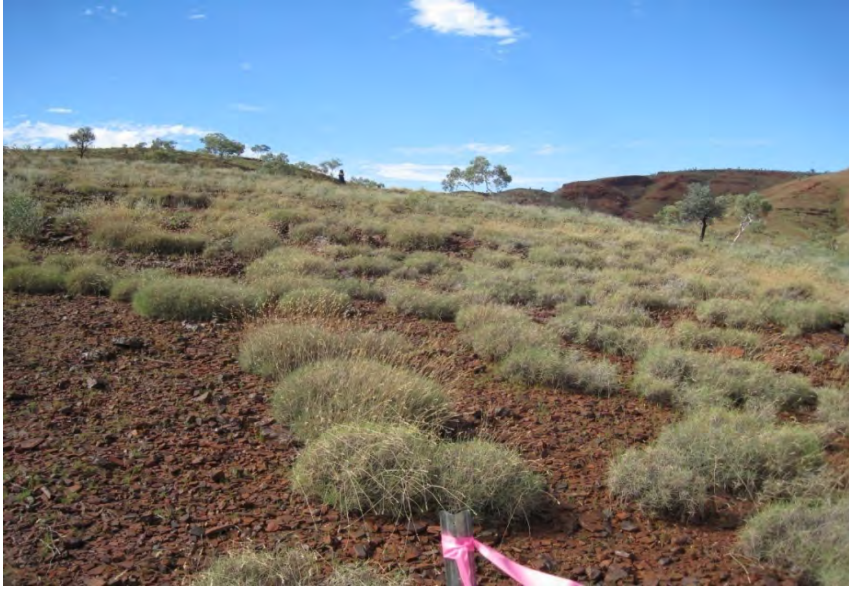


<b>Plot:</b>	B077	<b>Corner</b>	nw	se
<b>Date:</b>	15-Apr	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2512	
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3067	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam with small bif rocks	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744937	<b>Soil comments:</b>		
<b>NW Northing:</b>	7483764	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744987	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7483714	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	lower		0.1	0.2
<b>Aspect:</b>	slope below bifhills	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0 too 5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	200	1
<b>Disturbance:</b>	low	<b>Lower</b>	30	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	90	
<b>Observations</b>	stream zones have more dense triodia basedowii with A pachyacra and emergent corymbia hamersleyana			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia adoxa</i> var. <i>adoxo</i>		0.1	
	<i>Acacia inaequilatera</i>		0.15	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	180	0.1	
	<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	20	0.01	
	<i>Fimbristylis simulans</i>	10	0.04	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	100	1	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	240	0.2	
	<i>Heliotropium ? pachyphyllum</i>	20	0.01	
	<i>Indigofera monophylla</i>	20	0.02	
	<i>Ptilotus astrolasius</i>	30	0.01	
	<i>Ptilotus calostachyus</i>	90	0.5	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	120	0.1	
	<i>Trianthema glossostigma</i>		0.02	
	<i>Triodia epactia</i>	40	0.5	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)	30	15	



<b>Plot:</b>	B078	<b>Corner</b>	nw	se
<b>Date:</b>	15/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2515	2514
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	rocky loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744044	<b>Soil comments:</b>	bif rockks	
<b>NW Northing:</b>	7484085	<b>Outcrop:</b>	bif	
<b>SE Easting:</b>	744094	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484035	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	mid slope bif hill		0.2	0.2
<b>Aspect:</b>	west	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	5 to 15	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	250	0.5
<b>Disturbance:</b>	low	<b>Lower</b>	40	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	100	0.02	
	<i>Acacia adoxa</i> var. <i>adoxo</i>	30	0.2	
	<i>Acacia inaequilatera</i>		0.3	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	250	0.3	
	<i>Calytrix carinata</i>	30	0.01	
	<i>Corchorus lasiocarpus</i> ?subsp. <i>parvus</i>	40	0.1	
	<i>Dampiera candidans</i>		5	
	<i>Dampiera candidans</i>	3	5	
	<i>Eriachne mucronata</i>		0.2	
	<i>Euphorbia ?australis</i>		0.02	
	<i>Fimbristylis simulans</i>	5	0.5	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	80	0.2	
	<i>Keraudrenia nephrosperma</i>	50	0.05	
	<i>Ptilotus astrolasius</i>	30	0.01	
	<i>Ptilotus calostachyus</i>	80	0.4	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.5	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.05	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	110	0.1	
	<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)		0.03	
	<i>Solanum lasiophyllum</i>	40		
	<i>Tribulus suberosus</i>		0.1	
	<i>Triodia epactia</i>	30	0.3	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 38)	30	15	



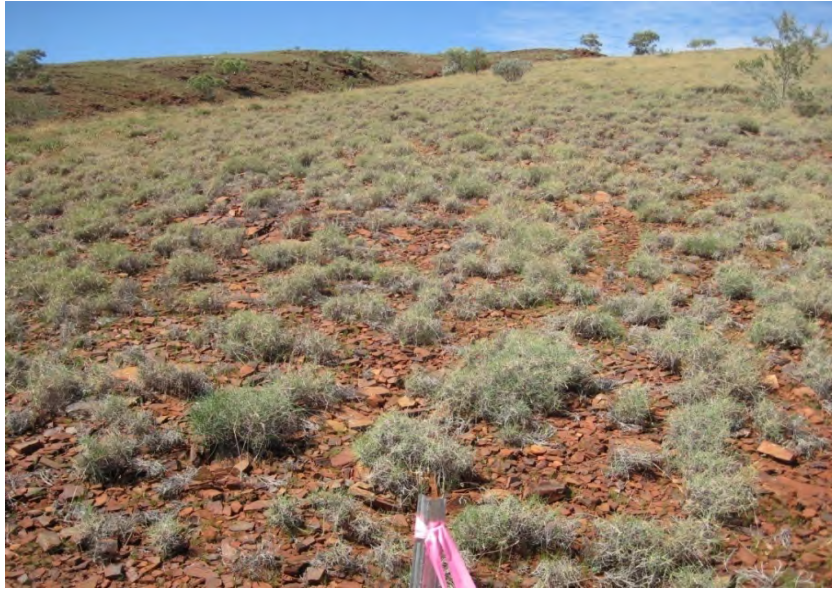


<b>Plot:</b>	B079	<b>Corner</b>	nw	se
<b>Date:</b>	15/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2516	2517
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3073	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744156	<b>Soil comments:</b>	many small bif rocks	
<b>NW Northing:</b>	7483794	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744206	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7483744	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, valley of bifhills		2	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0 to 1	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	2
<b>Disturbance:</b>	low	<b>Lower</b>	50	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia pachyacra</i>		0.06	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	150	0.5	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	180	6	
	<i>Aristida holathera</i> var. <i>holathera</i>	50	0.2	
	<i>Atalaya hemiglauca</i>	180	0.3	
	* <i>Cenchrus ciliaris</i>	50	0.04	
	<i>Cleome viscosa</i>	40	0.02	
	<i>Corchorus lasiocarpus</i> ?subsp. <i>parvus</i>	50	0.04	
	<i>Dicrastylis cordifolia</i>	50	0.02	
	<i>Eriachne mucronata</i>	30	0.1	
	<i>Gomphrena cunninghamii</i>	30	0.1	
	<i>Gossypium robinsonii</i>	120	0.1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	100	3	
	<i>Hakea chordophylla</i>	200	0.1	
	<i>Indigofera monophylla</i>	30	0.5	
	<i>Petalostylis cassioides</i>		0.5	
	<i>Polycarpaea longiflora</i>	20	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.05	
	<i>Ptilotus obovatus</i>	50	0.05	
	<i>Ptilotus obovatus</i>		0.1	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	11	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	60	0.1	
	<i>Solanum lasiophyllum</i>	40		
	<i>Tephrosia rosea</i> var. <i>glabrior</i>	70	3	
	<i>Trianthema pilosa</i>		0.01	
	<i>Triodia epactia</i>	60	10	



<b>Plot:</b>	B080	<b>Corner</b>	nw	se
<b>Date:</b>	15/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	7/07/2011	<b>Photo #</b>	2522	2523
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3075	
<b>Zone:</b>	50	<b>Soils</b>	rocky	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743728	<b>Soil comments:</b>	bif rocks	
<b>NW Northing:</b>	7483838	<b>Outcrop:</b>	small bif outcrops	
<b>SE Easting:</b>	743778	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7483788	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	mid slope bifhills		0.1	2
<b>Aspect:</b>	north	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	5 to 15	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	0.5
<b>Disturbance:</b>	low	<b>Lower</b>	30	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>	snappy gums further up slope			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	220	0.2	
	<i>Fimbristylis simulans</i>	10	1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	200	0.3	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.1	
	<i>Ptilotus calostachyus</i>	80	0.1	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	100	0.2	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	80	0.02	
	<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)	30	25	





<b>Plot:</b>	B081	<b>Corner</b>	nw	se
<b>Date:</b>	14/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	8/07/2011	<b>Photo #</b>	2524	
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3089	
<b>Zone:</b>	50	<b>Soils</b>	loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742651	<b>Soil comments:</b>		
<b>NW Northing:</b>	7485234	<b>Outcrop:</b>		
<b>SE Easting:</b>	742701	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485184	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	4
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	1
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	4
<b>Disturbance:</b>	low	<b>Lower</b>	120	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	130	0.1	
	<i>Acacia ancistrocarpa</i>	150	0.7	
	<i>Acacia citrinoviridis</i>	140	0.1	
	<i>Acacia inaequilatera</i>	200	0.5	
	<i>Acacia pachyacra</i>	250	1	
	<i>Acacia pruinocarpa</i>	300	0.4	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	3	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Corymbia hamersleyana</i>	1000	1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		0.2	
	<i>Indigofera monophylla</i>		0.15	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.15	
	<i>Triodia epactia</i>	120	60	

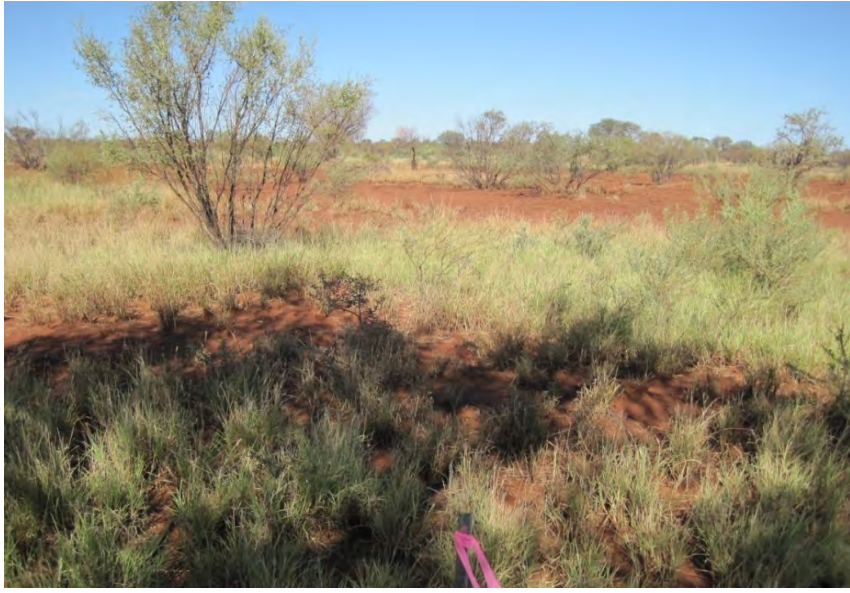


<b>Plot:</b>	B082	<b>Corner</b>	nw	se
<b>Date:</b>	14/04/2011	<b>Camera</b>	flooda's camera	
<b>Date Revisit:</b>	5/07/2011	<b>Photo #</b>	2526	2527
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743170	<b>Soil comments:</b>		
<b>NW Northing:</b>	7494600	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743220	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494550	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	100	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	cattle disturbance			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia dictyophleba</i>	200	3	
	<i>Acacia pachyacra</i>	300	2	
	<i>Acacia pruinocarpa</i>	250	0.3	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>			
	<i>Aristida holathera</i> var. <i>holathera</i>	30	0.02	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	40	0.2	
	<i>Chrysopogon fallax</i>	130	2	
	<i>Convolvulus clementii</i>		0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	0.1	
	<i>Eragrostis eriopoda</i>	50	1.5	
	<i>Euphorbia biconvexa</i>	20	0.01	
	<i>Gossypium australe</i>	80	0.1	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	250	2	
	<i>Perotis rara</i>		0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01	
	<i>Senna notabilis</i>	5	0.01	
	<i>Solanum lasiophyllum</i>	20	0.01	
	<i>Triodia epactia</i>	100	10	





<b>Plot:</b>	B083	<b>Corner</b>	nw	se
<b>Date:</b>	14/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2528	
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3144	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	731658	<b>Soil comments:</b>		
<b>NW Northing:</b>	7500820	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	731708	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500770	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	3
<b>Disturbance:</b>	medium	<b>Lower</b>	50	6
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	90	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	250	0.2	
	<i>Acacia citrinoviridis</i>			0.25
	<i>Acacia inaequilatera</i>	300	0.2	
	<i>Acacia pruinocarpa</i>	200	0.1	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	200	1	
	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	250	0.5	
	<i>Acacia synchronicia</i>	150	3	
*	<i>Cenchrus ciliaris</i>	50	7	
	<i>Chrysopogon fallax</i>			0.06
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>			0.01
	<i>Hakea lorea</i> subsp. <i>lorea</i>	120	0.05	
	<i>Sclerolaena cuneata</i>	400		
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.05	
	<i>Sporobolus australasicus</i>			0.1



<b>Plot:</b>	B084	<b>Corner</b>	nw	se
<b>Date:</b>	15/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2529	2530
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3140	
<b>Zone:</b>	50	<b>Soils</b>	loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	730333	<b>Soil comments:</b>		
<b>NW Northing:</b>	7500693	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	730383	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500643	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	3
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	800	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	3
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	60	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	200	0.5	
	<i>Acacia citrinoviridis</i>	110	0.05	
	<i>Acacia dictyophleba</i>	200	2	
	<i>Acacia pruinocarpa</i>	800	2	
	<i>Acacia spondylophylla</i>	50	0.05	
	<i>Acacia synchronicia</i>		0.1	
	<i>Acacia tumida</i> var. <i>pilbarensis</i>	130	0.1	
*	<i>Cenchrus ciliaris</i>	50	15	
	<i>Chrysopogon fallax</i>	100	0.5	
	<i>Eragrostis tenellula</i>	30	0.01	
	<i>Euphorbia biconvexa</i>	30	0.01	
	<i>Gossypium australe</i>		0.01	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	250	0.1	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.1	
	<i>Ipomoea muelleri</i>		0.02	
	<i>Polycarpaea longiflora</i>	30	0.02	
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Trianthema pilosa</i>		0.01	
	<i>Triodia basedowii</i>	100	15	





<b>Plot:</b>	B085	<b>Corner</b>	nw	se
<b>Date:</b>	16/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2531	2532
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3122	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	736380	<b>Soil comments:</b>		
<b>NW Northing:</b>	7494682	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	736430	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494632	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flowline	1	3	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	1 tto 5	<b>Upper</b>	1400	1
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	700	6
<b>Disturbance:</b>	medium	<b>Lower</b>	40	35
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	50	
<b>Observations</b>	cattle disturbance			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	700	8	
	<i>Acacia pruinocarpa</i>	500	1	
	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	120	0.1	
	<i>Aristida holathera</i>		0.2	
	<i>Aristida holathera</i> var. <i>holathera</i>			
	<i>Atalaya hemiglauca</i>	250	0.5	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	40	5	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	0.02	
	<i>Corymbia hamersleyana</i>	300	0.5	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>		0.1	
	<i>Eucalyptus victrix</i>		2	
	<i>Euphorbia australis</i>		0.01	
	<i>Polycarpaea longiflora</i>		0.03	
	<i>Ptilotus obovatus</i>	100	0.04	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.04	
	<i>Salsola australis</i>		0.05	
	<i>Solanum lasiophyllum</i>	60	0.05	
	<i>Trianthema pilosa</i>		0.3	
	<i>Tribulus ?occidentalis</i>	2	0.01	
	<i>Triodia epactia</i>		0.5	



<b>Plot:</b>	B086	<b>Corner</b>	nw	se
<b>Date:</b>	16/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	9/07/2011	<b>Photo #</b>	2533	2534
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3122	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam with some clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	734969	<b>Soil comments:</b>		
<b>NW Northing:</b>	7495336	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	735019	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495286	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	1	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	5
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	medium	<b>Lower</b>	50	15
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	75	
<b>Observations</b>	cattle disturbance			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>		0.7	
	<i>Acacia pruinocarpa</i>	1000	5	
*	<i>Cenchrus ciliaris</i>	50	3	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.5	





<b>Plot:</b>	B087	<b>Corner</b>	nw	se
<b>Date:</b>	14/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2535	2536
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3132	
<b>Zone:</b>	50	<b>Soils</b>	loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	732574	<b>Soil comments:</b>		
<b>NW Northing:</b>	7497871	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	732624	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497821	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	2	3
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	o	<b>Upper</b>	700	2
<b>Time since fire (yrs):</b>	plus5	<b>Mid</b>	300	2
<b>Disturbance:</b>	low	<b>Lower</b>	80	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	130	0.1	
	<i>Acacia dictyophleba</i>	250	1	
	<i>Acacia inaequilatera</i>	250	1	
	<i>Acacia synchronicia</i>		0.2	
	<i>Aristida holathera</i> var. <i>holathera</i>	30	0.02	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	60	5	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.01	
	<i>Corymbia hamersleyana</i>	700	1	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Eragrostis eriopoda</i>	30	1	
	<i>Eriachne mucronata</i>		0.02	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.01	
	<i>Gossypium robinsonii</i>		0.1	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	40	0.01	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	30	0.05	
	<i>Rhagodia eremaea</i>	110	0.2	
	<i>Senna notabilis</i>		0.1	
	<i>Solanum lasiophyllum</i>	40	0.04	
	<i>Trianthema pilosa</i>		0.02	
	<i>Triodia basedowii</i>	100	25	
	<i>Wahlenbergia tumidifructa</i>		0.04	



<b>Plot:</b>	B088	<b>Corner</b>	nw	se
<b>Date:</b>	16/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2537	2538
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3131	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	733250	<b>Soil comments:</b>		
<b>NW Northing:</b>	7497941	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	733300	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497891	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	1	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	250	4
<b>Disturbance:</b>	low	<b>Lower</b>	50	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aneura</i>	200	0.2	
	<i>Acacia citrinoviridis</i>	800	2	
	<i>Acacia dictyophleba</i>	250	3	
	<i>Acacia pruinocarpa</i>	500	2	
	<i>Acacia synchronicia</i>	250	0.2	
	<i>Atalaya hemiglauca</i>	150	0.04	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	50	20	
	<i>Corymbia hamersleyana</i>	1200	1	
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	90	0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	250	0.06	
	<i>Ipomoea muelleri</i>		0.01	
	<i>Poaceae</i> sp.	30	0.01	
	<i>Polycarpaea longiflora</i>		0.02	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		0.04	
	<i>Solanum lasiophyllum</i>	50	0.02	





<b>Plot:</b>	B089	<b>Corner</b>		
<b>Date:</b>	16/04/2011	<b>Camera</b>		
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2539	2540
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3139	
<b>Zone:</b>	50	<b>Soils</b>	dry sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	731511	<b>Soil comments:</b>		
<b>NW Northing:</b>	7499023	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	731561	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498973	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	3
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	3
<b>Disturbance:</b>	low to medium	<b>Lower</b>	80	30
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>		1	
	<i>Acacia dictyophleba</i>	200	2	
	<i>Acacia inaequilatera</i>	250	0.2	
	<i>Boerhavia coccinea</i>			
*	<i>Cenchrus ciliaris</i>	60	18	
	<i>Cucumis maderaspatanus</i>		0.01	
	<i>Eragrostis eriopoda</i>	50	1	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	120	0.1	
	<i>Solanum lasiophyllum</i>		0.01	
	<i>Triodia basedowii</i>		12	
	<i>Triodia epactia</i>		2	



<b>Plot:</b>	B090	<b>Corner</b>	nw	se
<b>Date:</b>		<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2541	2542
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3138	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	731661	<b>Soil comments:</b>		
<b>NW Northing:</b>	7499544	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	731711	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499494	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.2	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1400	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	250	3
<b>Disturbance:</b>	medium	<b>Lower</b>	50	14
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	80	
<b>Observations</b>	patchy open areas with sparse shrubs; mosaic			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia citrinoviridis</i>	250	0.8	
	<i>Acacia dictyophleba</i>	200	0.1	
	<i>Acacia inaequilatera</i>	200	0.5	
	<i>Acacia synchronicia</i>	230	2	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	50	14	
*	<i>Cenchrus setiger</i>		2	
	<i>Cleome viscosa</i>	30	0.01	
	<i>Corymbia hamersleyana</i>	1400	3	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	160	0.1	
	<i>Salsola australis</i>	30	0.01	
	<i>Sclerolaena cornishiana</i>	20	0.01	
	<i>Solanum lasiophyllum</i>	40	0.01	





<b>Plot:</b>	B091	<b>Corner</b>	nw	se
<b>Date:</b>	16/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	10/07/2011	<b>Photo #</b>	2543	2544
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3143	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	727274	<b>Soil comments:</b>		
<b>NW Northing:</b>	7502833	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	727323	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502783	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.1	5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	400	0.5
<b>Disturbance:</b>	low to medium	<b>Lower</b>	50	30
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	60	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia inaequilatera</i>	130	0.11	
	<i>Acacia pachyacra</i>	200	0.2	
	<i>Acacia pruinocarpa</i>	40	0.2	
	<i>Acacia sericophylla</i>	250	0.1	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.5	
	<i>Aristida inaequiglumis</i>	120	0.4	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	50	27	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	0.05	
	<i>Corymbia hamersleyana</i>	400	0.2	
	<i>Eragrostis eriopoda</i>	50	0.5	
	<i>Eremophila longifolia</i>	60	0.05	
	<i>Gossypium australe</i>		0.05	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	120	0.2	
	<i>Senna notabilis</i>	30	0.02	
	<i>Solanum lasiophyllum</i>	60	0.1	
	<i>Sporobolus australasicus</i>		0.02	
	<i>Trianthema pilosa</i>		0.01	



<b>Plot:</b>	B092	<b>Corner</b>	nw	se
<b>Date:</b>	16/05/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2545	2546
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3156	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	735319	<b>Soil comments:</b>		
<b>NW Northing:</b>	7498573	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	735369	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498523	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, adjacent to creeklin	0.2	1	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	10
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	medium	<b>Lower</b>	50	10
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	85	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	50	0.05	
	<i>Acacia citrinoviridis</i>	200	0.1	
	<i>Acacia inaequilatera</i>	250	0.5	
	<i>Acacia pruinocarpa</i>	700	7	
	<i>Acacia synchronicia</i>	200	1	
*	<i>Aerva javanica</i>		0.2	
*	<i>Cenchrus ciliaris</i>	50	8	
	<i>Corymbia hamersleyana</i>	700	2	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.2	





<b>Plot:</b>	B093	<b>Corner</b>	nw	se
<b>Date:</b>	16/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	11/07/2011	<b>Photo #</b>	2547	2548
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3147	
<b>Zone:</b>	50	<b>Soils</b>	clay pans with some loose loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	724451	<b>Soil comments:</b>		
<b>NW Northing:</b>	7507433	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	724501	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7507383	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.2	2	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	1
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	15
<b>Disturbance:</b>	medium	<b>Lower</b>	50	20
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	80	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aneura</i>	400	1	
	<i>Acacia synchronicia</i>	250	10	
	<i>Acacia tetragonophylla</i>	200	0.2	
	<i>Atriplex amnicola</i>	50	1.5	
	<i>Boerhavia coccinea</i>		0.04	
*	<i>Cenchrus ciliaris</i>	50	8	
	<i>Centipeda minima</i>	20	0.3	
	<i>Chrysopogon fallax</i>	120	0.03	
	<i>Cleome viscosa</i>	40	0.05	
	<i>Dactyloctenium radulans</i>	10	0.01	
	<i>Enteropogon ramosus</i>	50	0.05	
	<i>Eragrostis leptocarpa</i>		0.04	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	130	0.1	
	<i>Eriachne mucronata</i>		0.2	
	<i>Eucalyptus leucophloia</i>		1	
	<i>Eucalyptus leucophloia</i>	600	1	
	<i>Maireana pyramidata</i>	80	3	
*	<i>Malvastrum americanum</i>	50	0.01	
	<i>Melaleuca glomerata</i>	200	1	
	<i>Pterocaulon sphaeranthoides</i>		0.1	
	<i>Ptilotus obovatus</i>	50	0.05	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	0.1	
	<i>Rhagodia eremaea</i>	60	1	
	<i>Salsola australis</i>		0.03	
	<i>Scaevola spinescens</i>	60	0.1	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>		0.05	
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i> x		0.2	
	<i>Solanum lasiophyllum</i>	60	0.06	



<b>Plot:</b>	B094	<b>Corner</b>	nw	se
<b>Date:</b>	17/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2549	2550
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743086	<b>Soil comments:</b>		
<b>NW Northing:</b>	7508360	<b>Outcrop:</b>		
<b>SE Easting:</b>	743136	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7508310	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with erosion holes		3	5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	400	5
<b>Disturbance:</b>	medium	<b>Lower</b>	50	2
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	1000	12	
	<i>Acacia synchronicia</i>	200	2	
	<i>Acacia tetragonophylla</i>	400	3	
	<i>Aristida inaequiglumis</i>	110	0.1	
	<i>Boerhavia coccinea</i>		0.3	
*	<i>Cenchrus ciliaris</i>	60	0.05	
	<i>Cleome viscosa</i>	50	0.2	
	<i>Convolvulus clementii</i>		0.01	
	<i>Eragrostis tenellula</i>	20	0.1	
	<i>Eremophila longifolia</i>	200	0.2	
	<i>Eriachne flaccida</i>	50	0.2	
	<i>Eriachne flaccida</i>	30	0.03	
	<i>Euphorbia ?australis</i>		0.15	
	<i>Ipomoea muelleri</i>		0.3	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Ptilotus gomphrenoides</i>	10	0.01	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	30	0.02	
	<i>Sida fibulifera</i>		0.04	
	<i>Solanum lasiophyllum</i>	50	0.1	
	<i>Streptoglossa ?decurrens</i>	8	0.01	
*	<i>Vachellia farnesiana</i>	300	3	





<b>Plot:</b>	B095	<b>Corner</b>	n	s
<b>Date:</b>	17/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2551	2552
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan loams	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743950	<b>Soil comments:</b>		
<b>NW Northing:</b>	7508751	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743920	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7508705	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	1
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	800	30
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low to medium	<b>Lower</b>	100	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	90	
<b>Observations</b>	cattle; pigs. 50m transect SSW direction; 10-15m wide			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	1000	60	
	<i>Acacia synchronicia</i>	250	2	
	<i>Acacia tetragonophylla</i>	300	3	
	<i>Acacia xiphophylla</i>	300	5	
	<i>Blumea tenella</i>	10	0.01	
	<i>Boerhavia coccinea</i>		1	
*	<i>Cenchrus ciliaris</i>	60	2	
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	10	0.01	
	<i>Enteropogon ramosus</i>	80	0.1	
	<i>Eragrostis tenellula</i>	15	0.1	
	<i>Eremophila ?latrobei</i>	30	0.02	
	<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	30	0.01	
	<i>Psyrax latifolia</i>	400	5	
	<i>Ptilotus macrocephalus</i>	40	0.02	
	<i>Ptilotus obovatus</i>	70	3	





<b>Plot:</b>	B096	<b>Corner</b>	nw	se
<b>Date:</b>	17/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2553	2554
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan with loams	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744048	<b>Soil comments:</b>		
<b>NW Northing:</b>	7508384	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744098	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7508334	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	6	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low to medium	<b>Lower</b>	60	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>	cattle; erosion; small drainage channel			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	800	6	
	<i>Acacia synchronicia</i>	250	1	
	<i>Acacia tetragonophylla</i>	500	10	
	<i>Aristida holathera</i> var. <i>holathera</i>	30	0.15	
	<i>Aristida inaequiglumis</i>	100	0.5	
	<i>Atalaya hemiglauca</i>	400	0.4	
	<i>Blumea tenella</i>	10	0.1	
	<i>Blumea tenella</i>	30	0.02	50 to 100 plants
	<i>Boerhavia coccinea</i>		0.5	
*	<i>Cenchrus ciliaris</i>	50	8	
	<i>Cleome viscosa</i>	40	0.1	
	<i>Convolvulus clementii</i>		0.05	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Duperreya commixta</i>		0.04	
	<i>Enchylaena tomentosa</i>	100	0.6	
	<i>Eragrostis tenellula</i>	20	0.2	
	<i>Eremophila lanceolata</i>	30	0.01	
	<i>Eriachne flaccida</i>	50	8	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	20	0.01	11 to 25
	<i>Gossypium australe</i>	20	0.02	
	<i>Ipomoea muelleri</i>		0.1	
	<i>Marsilea hirsuta</i>	20	0.01	
	<i>Mimulus gracilis</i>	10	0.04	
	<i>Ptilotus obovatus</i>	100	1	
	<i>Rhagodia eremaea</i>	70	0.2	
	<i>Scaevola spinescens</i>	150	0.4	
	<i>Senna notabilis</i>	30	0.05	
	<i>Solanum lasiophyllum</i>	50	0.02	6 to 10 plants
*	<i>Vachellia farnesiana</i>	300	3	photo 2555



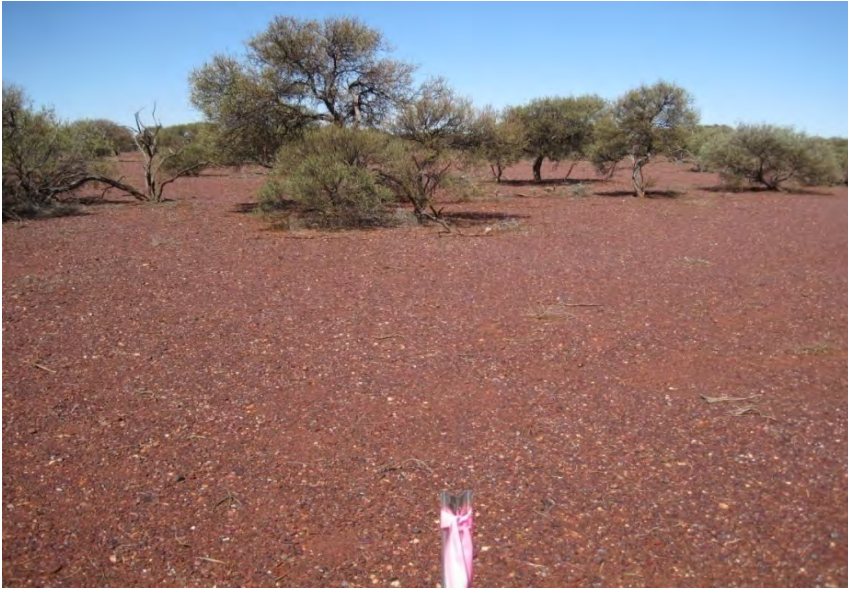


<b>Plot:</b>	B097	<b>Corner</b>	nw	se
<b>Date:</b>	17/04/2011	<b>Camera</b>	flooras camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2558	2559
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744493	<b>Soil comments:</b>		
<b>NW Northing:</b>	7508926	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744543	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7508876	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	350	7
<b>Disturbance:</b>	low	<b>Lower</b>	70	4
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia synchronicia</i>	350	6	
	<i>Acacia tetragonophylla</i>	160	0.2	
	<i>Acacia xiphophylla</i>	300	2	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	60	2	
	<i>Enchylaena tomentosa</i>	40	0.1	
	<i>Eragrostis tenellula</i>	10	0.02	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	120	0.1	
	<i>Eremophila lanceolata</i>	20	0.01	
	<i>Goodenia prostrata</i>		0.01	
	<i>Heliotropium heteranthum</i>		0.01	
	<i>Maireana planifolia</i>	30	0.01	
	<i>Maireana pyramidata</i>	60	0.05	
*	<i>Portulaca oleracea</i>		0.03	
	<i>Ptilotus obovatus</i>	60	1.5	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	0.5	
	<i>Rhagodia eremaea</i>	100	1	
	<i>Salsola australis</i>	30	0.02	
	<i>Scaevola spinescens</i>	110	0.2	
	<i>Sclerolaena cuneata</i>	20	0.2	
	<i>Sclerolaena densiflora</i>	10	0.01	
	<i>Solanum lasiophyllum</i>	40	0.2	
	<i>Trianthema triquetra</i>		0.1	



<b>Plot:</b>	B098	<b>Corner</b>	nw	se
<b>Date:</b>	17/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2560	2561
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	many rocks	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744242	<b>Soil comments:</b>		
<b>NW Northing:</b>	7507596	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744292	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7507546	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.3	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	8
<b>Disturbance:</b>	low	<b>Lower</b>	30	1
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	98	
<b>Observations</b>	cattle. numerous dead small shrubs			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia synchronicia</i>	200	0.1	
	<i>Acacia xiphophylla</i>	300	8	
	<i>Enchylaena tomentosa</i>	25	1	
	<i>Eragrostis tenellula</i>	10	0.01	
	<i>Heliotropium heteranthum</i>		0.02	
	<i>Rhagodia eremaea</i>	80	0.02	
	<i>Sclerolaena cuneata</i>	20	0.02	
	<i>Trianthema triquetra</i>		0.02	





<b>Plot:</b>	B099	<b>Corner</b>	nw	se
<b>Date:</b>	17/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2562	2563
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan depression	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743397	<b>Soil comments:</b>		
<b>NW Northing:</b>	7506785	<b>Outcrop:</b>		
<b>SE Easting:</b>	743447	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506735	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with eroded holes		2	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	5
<b>Disturbance:</b>	medium	<b>Lower</b>	30	5
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	92	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ?synchronicia</i>	50	0.03	
	<i>Acacia aptaneura</i>	1000	2	
	<i>Acacia synchronicia</i>	60	0.5	
	<i>Acacia tetragonophylla</i>	350	6	
	<i>Aristida inaequiglumis</i>	100	4	
	<i>Boerhavia coccinea</i>		2.5	
	* <i>Cenchrus ciliaris</i>	40	1	
	<i>Chrysopogon fallax</i>	100	2	
	<i>Cleome viscosa</i>	30	0.06	
	<i>Convolvulus clementii</i>		0.05	
	<i>Cucumis maderaspatanus</i>		0.5	
	<i>Eremophila lanceolata</i>	40	0.25	
	<i>Eucalyptus victrix</i>	1000	1	
	<i>Euphorbia ?australis</i>		0.2	
	<i>Goodenia prostrata</i>		0.01	
	<i>Gossypium australe</i>	20	0.05	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	130	0.1	
	<i>Ipomoea muelleri</i>		0.6	
	* <i>Malvastrum americanum</i>	20	0.2	
	* <i>Portulaca oleracea</i>		0.02	
	<i>Ptilotus gomphrenoides</i>	20	0.01	
	<i>Ptilotus gomphrenoides</i>	4	0.01	
	<i>Rhagodia eremaea</i>	100	0.05	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.3	
	<i>Solanum lasiophyllum</i>	30	0.02	
	<i>Streptoglossa ?decurrens</i>	30	0.1	
	* <i>Vachellia farnesiana</i>	250	1	



<b>Plot:</b>	B100	<b>Corner</b>	nw	se
<b>Date:</b>	17/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2566	2567
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	dry clay	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742824	<b>Soil comments:</b>		
<b>NW Northing:</b>	7507179	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742874	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7507129	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, floodplain			1
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	1
<b>Disturbance:</b>	medium	<b>Lower</b>	10	30
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia synchronicia</i>	100	0.1	
	<i>Aristida holathera</i> var. <i>holathera</i>	25	1	
	<i>Aristida latifolia</i>	80	0.1	
	<i>Boerhavia coccinea</i>		8	
*	<i>Citrullus lanatus</i>		1	
	<i>Cleome viscosa</i>	30	2	
	<i>Cullen cinereum</i>	8	0.05	
	<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	20	0.1	
	<i>Enteropogon ramosus</i>	25	1	
	<i>Eragrostis setifolia</i>	30	10	
	<i>Eragrostis tenellula</i>	10	3	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	20	0.01	
	<i>Heliotropium heteranthum</i>	3	0.01	
	<i>Ipomoea muelleri</i>		0.1	
*	<i>Malvastrum americanum</i>	30	2	
*	<i>Malvastrum americanum</i>	20	0.2	
	<i>Marsilea hirsuta</i>	100	0.02	
*	<i>Portulaca oleracea</i>		0.2	
	<i>Ptilotus gomphrenoides</i>	5	3	
	<i>Salsola australis</i>	30	0.02	
	<i>Sida fibulifera</i>		5	
	<i>Solanum lasiophyllum</i>	50	0.15	
	<i>Streptoglossa ?decurrens</i>	10	0.04	
	<i>Streptoglossa tenuiflora</i>	10	0.02	
*	<i>Vachellia farnesiana</i>	200	1.5	
*	<i>Vachellia farnesiana</i>		0.02	





<b>Plot:</b>	B101	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2571	2572
<b>Initials:</b>	jl fw bn	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	rocks	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744497	<b>Soil comments:</b>		
<b>NW Northing:</b>	7511706	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744547	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7511656	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	2
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	100	3
<b>Disturbance:</b>	low	<b>Lower</b>	50	3
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	500	14	
	<i>Acacia synchronicia</i>	200	1	
	<i>Acacia tetragonophylla</i>	230	1.5	
	<i>Acacia xiphophylla</i>	350	2	
	<i>Aristida holathera</i> var. <i>holathera</i>	30	0.1	
	<i>Aristida inaequiglumis</i>	100	0.02	
	<i>Blumea tenella</i>	15	0.01	
	<i>Boerhavia coccinea</i>		0.04	
*	<i>Cenchrus ciliaris</i>	30	3	
	<i>Cleome viscosa</i>	40	0.06	
	<i>Dactyloctenium radulans</i>	15	0.04	
	<i>Duperreya commixta</i>		0.06	
	<i>Enchylaena tomentosa</i>	80	0.3	
	<i>Eragrostis tenellula</i>	10	0.1	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	130	3	
	<i>Eriachne flaccida</i>	30	0.01	
	<i>Goodenia prostrata</i>		0.01	
	<i>Gossypium australe</i>	110	0.05	
	<i>Iseilema eremaeum</i>	30	0.02	
	<i>Maireana planifolia</i>	30	0.1	
	<i>Psyrax latifolia</i>	250	0.3	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	70	0.2	
	<i>Rhagodia eremaea</i>	200	0.5	
	<i>Salsola australis</i>	30	0.02	
	<i>Sclerolaena cuneata</i>	20	0.1	
	<i>Solanum lasiophyllum</i>	50	0.02	
	<i>Streptoglossa</i> ? <i>decurrans</i>	10	0.01	
	<i>Trianthema triquetra</i>		0.04	

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<b>Plot:</b>	B102	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2573	2574
<b>Initials:</b>	jl fw se	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	small rocks	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743872	<b>Soil comments:</b>		
<b>NW Northing:</b>	7512166	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743922	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7512116	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with eroded holes	0.5	3	5
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1200	10
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	100	6
<b>Disturbance:</b>	lo	<b>Lower</b>	50	6
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	1200	15	
	<i>Acacia synchronicia</i>	130	0.5	
	<i>Acacia tetragonophylla</i>	250	3	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.1	
*	<i>Bidens bipinnata</i>	25	0.03	
	<i>Blumea tenella</i>	5	0.01	
	<i>Boerhavia coccinea</i>		1.2	
*	<i>Cenchrus ciliaris</i>	60	5	
	<i>Chrysopogon fallax</i>	110	1	
	<i>Cleome viscosa</i>	50	0.5	
	<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	30	0.1	
	<i>Duperreya commixta</i>		0.4	
	<i>Eragrostis setifolia</i>	30	0.05	
	<i>Eragrostis tenellula</i>	10	0.1	
	<i>Eremophila longifolia</i>	230	0.1	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	25	0.02	
	<i>Gossypium australe</i>	40	0.1	
	<i>Hybanthus aurantiacus</i>	40	0.02	
	<i>Ipomoea muelleri</i>		0.2	
	<i>Iseilema eremaeum</i>	30	0.1	
	<i>Lotus cruentus</i>	5	0.02	
*	<i>Malvastrum americanum</i>	30	0.05	
	<i>Rhynchosia minima</i>		0.04	
	<i>Scaevola spinescens</i>	160	1	
	<i>Senna</i> ?sp. Meekatharra (E. Bailey 1-26)	200	0.2	





<b>Plot:</b>	B103	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2577	2578
<b>Initials:</b>	jl fw bn	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743880	<b>Soil comments:</b>		
<b>NW Northing:</b>	7511599	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743930	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7511551	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with eroded holes	0.2	2	3
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	900	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	50	15
<b>Disturbance:</b>	low	<b>Lower</b>	5	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>		
<b>Observations</b>	drainage channel in middle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	1000	20	
	<i>Acacia synchronicia</i>	170	0.6	
	<i>Acacia tetragonophylla</i>	250	2	
	<i>Austrobryonia pilbarensis</i>		0.02	
*	<i>Bidens bipinnata</i>	30	0.2	
	<i>Blumea tenella</i>	6	1	
	<i>Boerhavia coccinea</i>		1	
*	<i>Cenchrus ciliaris</i>	50	15	
	<i>Chrysopogon fallax</i>	100	1	
	<i>Cleome viscosa</i>	50	0.5	
	<i>Convolvulus clementii</i>		0.01	
*	<i>Echinochloa colona</i>	40	0.1	
	<i>Eragrostis tenellula</i>	10	0.5	
	<i>Eriachne flaccida</i>	50	1	
	<i>Euphorbia ?australis</i>		0.02	
	<i>Evolvulus alsinoides var. villosicalyx</i>	200	0.01	
	<i>Gossypium australe</i>	60	0.3	
	<i>Ipomoea muelleri</i>		1.5	
	<i>Lotus cruentus</i>	5	0.02	
*	<i>Malvastrum americanum</i>	20	0.1	
	<i>Mimulus gracilis</i>	5	0.1	
	<i>Psyrdrax latifolia</i>	200	0.2	
	<i>Rhynchosia minima</i>		0.05	
	<i>Scaevola spinescens</i>	80	0.02	
	<i>Streptoglossa ?decurrens</i>	20	0.4	





<b>Plot:</b>	B104	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2579	2582
<b>Initials:</b>	jl fw bn	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan depression	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742998	<b>Soil comments:</b>		
<b>NW Northing:</b>	7511789	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743048	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7511739	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with eroded holes	0.5	4	5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0'	<b>Upper</b>	1400	4
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	25
<b>Disturbance:</b>	medium	<b>Lower</b>	60	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	1400	6	
	<i>Acacia synchronicia</i>	200	0.03	
	<i>Acacia tetragonophylla</i>	400	12	
	<i>Atalaya hemiglauca</i>	300	2	
*	<i>Bidens bipinnata</i>	30	0.01	
	<i>Blumea tenella</i>	20	0.5	
	<i>Boerhavia coccinea</i>		2	
*	<i>Cenchrus ciliaris</i>	60	25	
	<i>Centipeda minima</i>	5	0.5	
	<i>Cleome viscosa</i>	50	0.1	
	<i>Convolvulus clementii</i>		0.2	
	<i>Dactyloctenium radulans</i>	30	0.02	
	<i>Enchylaena tomentosa</i>	130	0.3	
	<i>Eragrostis tenellula</i>	10	0.05	
	<i>Eremophila lanceolata</i>	40	0.04	
	<i>Eremophila longifolia</i>	300	4	
	<i>Gossypium australe</i>	40	0.02	
*	<i>Malvastrum americanum</i>	40	0.2	
	<i>Mimulus gracilis</i>	5	0.1	
	<i>Psydrax latifolia</i>	400	1	
	<i>Santalum lanceolatum</i>	250	0.1	
	<i>Scaevola spinescens</i>	200	0.6	
	<i>Streptoglossa ?decurrens</i>	20	0.1	





<b>Plot:</b>	B105	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2583	2584
<b>Initials:</b>	jl fw bn	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	744367	<b>Soil comments:</b>		
<b>NW Northing:</b>	7510208	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	744417	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7510158	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	4	5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1200	20
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	250	8
<b>Disturbance:</b>	low	<b>Lower</b>	50	6
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	1200	30	
	<i>Acacia synchronicia</i>	200	0.3	
	<i>Acacia tetragonophylla</i>	250	5	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.02	
	<i>Aristida inaequiglumis</i>	100	0.6	
*	<i>Bidens bipinnata</i>	25	0.02	
	<i>Blumea tenella</i>	10	0.3	
	<i>Boerhavia coccinea</i>		2	
*	<i>Cenchrus ciliaris</i>	60	4	
	<i>Cleome viscosa</i>	40	0.05	
	<i>Convolvulus clementii</i>		0.02	
	<i>Eragrostis tenellula</i>	20	0.05	
	<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	200	0.15	
	<i>Eremophila longifolia</i>	200	0.1	
	<i>Eriachne flaccida</i>	30	0.2	
	<i>Euphorbia boophthona</i>	20	0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	230	0.1	
	<i>Ipomoea muelleri</i>		2	
*	<i>Malvastrum americanum</i>	40	0.2	
	<i>Rhynchosia minima</i>		0.01	
	<i>Rostellularia adscendens</i> var. <i>clementii</i>	5	0.01	
	<i>Scaevola spinescens</i>	180	0.2	
	<i>Solanum lasiophyllum</i>	60	0.1	
	<i>Spermacoce brachystema</i>	5	0.01	





<b>Plot:</b>	B106	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2585	2586
<b>Initials:</b>	jl fw bn	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743767	<b>Soil comments:</b>		
<b>NW Northing:</b>	7510178	<b>Outcrop:</b>	small bif rocks	
<b>SE Easting:</b>	743817	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7510128	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.2	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	6
<b>Disturbance:</b>	low	<b>Lower</b>	30	1
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	96	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia synchronicia</i>	300	1.5	
	<i>Acacia tetragonophylla</i>	130	0.2	
	<i>Acacia xiphophylla</i>	300	4	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	40	0.1	
	<i>Dactyloctenium radulans</i>	20	0.03	
	<i>Enchylaena tomentosa</i>	40	0.1	
	<i>Enteropogon ramosus</i>	50	0.01	
	<i>Eragrostis tenellula</i>	20	0.01	
	<i>Iseilema eremaeum</i>	5	0.01	
	<i>Maireana pyramidata</i>	100	0.1	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Salsola australis</i>	30	0.03	
	<i>Sclerolaena cuneata</i>	30	0.5	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	160	0.2	
	<i>Solanum lasiophyllum</i>	30	0.01	
	<i>Trianthema triquetra</i>		0.2	





<b>Plot:</b>	B107	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	flooda's	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2588	2589
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan depression	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	742892	<b>Soil comments:</b>		
<b>NW Northing:</b>	7510252	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	742942	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7510202	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	4
<b>Disturbance:</b>	low	<b>Lower</b>	60	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aneura</i>	250	0.2	
	<i>Acacia aptaneura</i>	1000	3	
	<i>Acacia citrinoviridis</i>	500	2	
	<i>Acacia synchronicia</i>	300	4	
	<i>Acacia tetragonophylla</i>	300	2	
	<i>Boerhavia coccinea</i>		0.2	
*	<i>Cenchrus ciliaris</i>	50	30	
	<i>Cleome viscosa</i>	50	0.2	
	<i>Enchylaena tomentosa</i>	60	0.5	
	<i>Eragrostis tenellula</i>	15	0.1	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	150	0.05	
	<i>Maireana pyramidata</i>	80	0.03	
*	<i>Portulaca oleracea</i>		0.03	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	70	1	
	<i>Rhagodia eremaea</i>	160	0.3	
	<i>Rhynchosia minima</i>	20	0.01	
	<i>Scaevola spinescens</i>	150	1	
	<i>Trianthema triquetra</i>		0.02	



<b>Plot:</b>	B108	<b>Corner</b>	nw	se
<b>Date:</b>	18/04/2011	<b>Camera</b>	flooda's	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2590	2591
<b>Initials:</b>	fw jl bn	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	clay pan depression	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	743287	<b>Soil comments:</b>	na	
<b>NW Northing:</b>	7509413	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	743337	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7509363	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with eroded holes	2	8	5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1600	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	20
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>	drainage channel through middle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	1600	20	
	<i>Acacia tetragonophylla</i>	300	3	
	<i>Alternanthera nodiflora</i>	20	0.01	
*	<i>Bidens bipinnata</i>	30	0.04	
	<i>Blumea tenella</i>	10	3	
	<i>Boerhavia coccinea</i>		3	
*	<i>Cenchrus ciliaris</i>	60	15	
	<i>Centipeda minima</i>	8	0.5	
	<i>Chrysopogon fallax</i>	100	0.1	
	<i>Cleome viscosa</i>	50	0.02	
	<i>Duperreya commixta</i>		0.2	
*	<i>Echinochloa colona</i>	30	0.2	
	<i>Eragrostis tenellula</i>	10	0.1	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	50	0.1	
	<i>Eremophila longifolia</i>	200	0.1	
	<i>Eriachne flaccida</i>	30	1	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.01	
	<i>Gossypium australe</i>	40	0.02	
	<i>Ipomoea coptica</i>		0.1	
	<i>Ipomoea muelleri</i>		0.1	
*	<i>Malvastrum americanum</i>	20	0.06	
	<i>Mimulus gracilis</i>	5	0.02	
	<i>Psyrax latifolia</i>	400	0.5	
	<i>Santalum lanceolatum</i>	160	0.05	
*	<i>Vachellia farnesiana</i>	300	8	





<b>Plot:</b>	B109	<b>Corner</b>	nw	se
<b>Date:</b>	19/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2592	2593
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3055	
<b>Zone:</b>	50	<b>Soils</b>	sandy loam	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	746276	<b>Soil comments:</b>		
<b>NW Northing:</b>	7493956	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	746326	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493906	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	0.5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	500	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	3
<b>Disturbance:</b>	low	<b>Lower</b>	100	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	230	3	
	<i>Acacia aneura</i>	130	0.1	
	<i>Acacia dictyophleba</i>		0.02	
	<i>Acacia inaequilatera</i>	300	1.5	
	<i>Acacia inaequilatera</i>		2	
	<i>Acacia pruinocarpa</i>	500	3	
	<i>Acacia synchronicia</i>	110	0.1	
	<i>Acacia tetragonophylla</i>	250	0.5	
	<i>Anthobolus leptomerioides</i>	200	0.3	
	<i>Aristida holathera</i> var. <i>holathera</i>	50	0.6	
*	<i>Cenchrus ciliaris</i>	40	0.1	
	<i>Chrysopogon fallax</i>	120	0.1	
	<i>Cleome viscosa</i>	50	0.1	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	5	0.02	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Dodonaea petiolaris</i>	100	0.04	
	<i>Duperreya commixta</i>		0.04	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	120	0.05	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	50	0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	120	0.01	
	<i>Indigofera monophylla</i>	20	0.02	
	<i>Maireana pyramidata</i>	30	0.02	
	<i>Perotis rara</i>	20	0.02	
	<i>Polycarpaea longiflora</i>		0.01	
*	<i>Portulaca oleracea</i>		0.03	
	<i>Psyrax latifolia</i>	200	0.2	
	<i>Sclerolaena cornishiana</i>	20	0.02	
	<i>Sclerolaena cuneata</i>	30		
	<i>Solanum lasiophyllum</i>		0.02	
	<i>Sporobolus australasicus</i>	10	0.02	
	<i>Sporobolus australasicus</i>		0.1	
	<i>Triodia epactia</i>	100	20	



<b>Plot:</b>	B110	<b>Corner</b>	nw	se
<b>Date:</b>	19/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2594	2595
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>		
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>		
<b>Zone:</b>	50	<b>Soils</b>	clay pan and loams	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	745204	<b>Soil comments:</b>		
<b>NW Northing:</b>	7494440	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	745254	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494390	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	6
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	500	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	110	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	160	0.2	
	<i>Acacia aptaneura</i>	500	15	
	<i>Acacia synchronicia</i>	250	0.4	
	<i>Acacia tetragonophylla</i>	200	0.3	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.5	
	<i>Blumea tenella</i>	25	0.01	
	<i>Boerhavia coccinea</i>		0.02	
*	<i>Cenchrus ciliaris</i>	40	1	
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	20	0.04	
	<i>Chloris</i> sp.			
	<i>Chrysopogon fallax</i>	130	8	
	<i>Cleome viscosa</i>	50	0.03	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	5	0.01	
	<i>Cucumis maderaspatanus</i>		0.2	
	<i>Dactyloctenium radulans</i>	25	0.1	
	<i>Duperreya commixta</i>		0.1	
	<i>Eremophila lanceolata</i>	40	2	
	<i>Eriachne mucronata</i>			
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	20	0.01	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	50	0.1	
P	<i>Goodenia nuda</i>	30	0.02	
	<i>Gossypium australe</i>	60	0.1	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	300	1.5	
	<i>Iseilema eremaeum</i>	20	0.05	
	<i>Maireana planifolia</i>		0.02	
	<i>Perotis rara</i>	15	0.4	
*	<i>Portulaca oleracea</i>		0.02	
	<i>Psyrax latifolia</i>	150	0.2	
	<i>Pterocaulon sphaeranthoides</i>		0.01	
	<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>	20	0.01	
	<i>Ptilotus macrocephalus</i>	50	0.1	
	<i>Ptilotus obovatus</i>	80	0.3	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	160	0.1	
	<i>Senna notabilis</i>	20	0.02	



<i>Sporobolus australasicus</i>	15	0.05	
<i>Sporobolus australasicus</i>			
<i>Streptoglossa ?decurrens</i>	30	0.06	
<i>Triodia epactia</i>	100	10	





<b>Plot:</b>	B111	<b>Corner</b>	nw	se
<b>Date:</b>	19/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2596	2597
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3056	
<b>Zone:</b>	50	<b>Soils</b>	clay pan with loams	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	746252	<b>Soil comments:</b>		
<b>NW Northing:</b>	7495094	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	746301	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495044	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.2	4	4
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	100	18
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	700	15	
	<i>Acacia pruinocarpa</i>	500	2	
	<i>Acacia tetragonophylla</i>	300	1	
	<i>Boerhavia coccinea</i>		0.02	
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	20	0.02	
	<i>Chrysopogon fallax</i>	130	3	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	5	0.01	
	<i>Cucumis maderaspatanus</i>		0.2	
	<i>Dactyloctenium radulans</i>	30	0.1	
	<i>Duperreya commixta</i>		0.02	
	<i>Eragrostis tenellula</i>	15	0.05	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	80	0.1	
	<i>Eremophila lanceolata</i>	30	0.04	
	<i>Eriachne mucronata</i>		0.2	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	40	0.02	
	<i>Goodenia prostrata</i>	5	0.02	
	<i>Gossypium australe</i>	60	0.04	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.1	
	<i>Polycarpaea longiflora</i>		0.01	
*	<i>Portulaca oleracea</i>		0.05	
	<i>Psyrax latifolia</i>	250	0.3	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	80	0.1	
	<i>Sclerolaena cornishiana</i>	30	0.02	
	<i>Solanum lasiophyllum</i>	60	0.1	
	<i>Sporobolus australasicus</i>		0.2	
	<i>Streptoglossa</i> ? <i>decurrens</i>	20	0.01	
	<i>Triodia epactia</i>	80	7	





<b>Plot:</b>	B112	<b>Corner</b>	nw	se
<b>Date:</b>	19/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2598	2599
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3057	
<b>Zone:</b>	50	<b>Soils</b>	clay pan with sandy over tge top	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown with black grains	
<b>NW Easting:</b>	745256	<b>Soil comments:</b>		
<b>NW Northing:</b>	7495360	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	745305	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495310	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	3
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	100	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	200	1	
	<i>Acacia aptaneura</i>	250	0.4	
	<i>Acacia inaequilatera</i>	200	1	
	<i>Acacia inaequilatera</i>		1	
	<i>Acacia pruinocarpa</i>	1000	3	
	<i>Acacia tetragonophylla</i>	120	0.2	
	<i>Bulbostylis barbata</i>	5	0.01	
*	<i>Cenchrus ciliaris</i>	40	0.05	
	<i>Cleome viscosa</i>	50	0.04	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Cymbopogon obtectus</i>	80	0.02	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	130	2	
	<i>Eremophila longifolia</i>	250	0.1	
	<i>Gomphrena cunninghamii</i>		0.01	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	250	1	
	<i>Polycarpaea longiflora</i>		0.01	
*	<i>Portulaca oleracea</i>		0.02	
	<i>Psydrax latifolia</i>	200	0.15	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	80	0.05	
	<i>Sclerolaena cornishiana</i>	30	0.01	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	160	0.2	
	<i>Solanum lasiophyllum</i>	60	0.15	
	<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.03	
	<i>Triodia epactia</i>	100	36	



<b>Plot:</b>	B113	<b>Corner</b>	nw	se
<b>Date:</b>	19/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2600	2601
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3058	
<b>Zone:</b>	50	<b>Soils</b>	clay pan with loams	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	745414	<b>Soil comments:</b>		
<b>NW Northing:</b>	7496399	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	745464	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496349	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	5
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	100	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>	Cleome oxalidea nearby			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	600	10	
	<i>Acacia pruinocarpa</i>	300	0.5	
	<i>Acacia synchronicia</i>	350	2	
	<i>Acacia tetragonophylla</i>	200	2.5	
	<i>Aristida holathera</i> var. <i>holathera</i>	40	0.05	
	<i>Boerhavia coccinea</i>		0.01	
*	<i>Cenchrus ciliaris</i>	80	0.3	
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	25	0.01	
	<i>Chrysopogon fallax</i>	110	0.4	
	<i>Cleome viscosa</i>	50	0.02	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	30	0.03	
	<i>Cucumis maderaspatanus</i>		0.02	
	<i>Dactyloctenium radulans</i>	20	0.02	
	<i>Eremophila lanceolata</i>		7	
	<i>Eremophila lanceolata</i>	50	7	
	<i>Eremophila lanceolata</i>	220	0.4	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	20	0.01	
P4	<i>Goodenia nuda</i>	30	0.03	
	<i>Goodenia prostrata</i>		0.02	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		2	
	<i>Indigofera georgei</i>		0.1	
*	<i>Portulaca oleracea</i>		0.01	
	<i>Salsola australis</i>		0.02	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	100	0.2	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	110	0.1	
	<i>Senna notabilis</i>		0.02	
	<i>Sida</i> sp.		0.02	
	<i>Solanum lasiophyllum</i>	50	0.05	
	<i>Sporobolus australasicus</i>	15	0.02	
	<i>Sporobolus australasicus</i>		0.02	
	<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.02	
	<i>Triodia epactia</i>	100	2	





<b>Plot:</b>	B114	<b>Corner</b>	nw	se
<b>Date:</b>	19/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2605	2606
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3050	
<b>Zone:</b>	50	<b>Soils</b>	clay pan with loams	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	746401	<b>Soil comments:</b>		
<b>NW Northing:</b>	7496702	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	746451	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496652	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		0.5	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>		
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	500	4
<b>Disturbance:</b>	low	<b>Lower</b>	140	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	97	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	40	4	
	<i>Acacia dictyophleba</i>	200	0.05	
	<i>Acacia pruinocarpa</i>	500	3	
	<i>Acacia synchronicia</i>	150	0.1	
	<i>Acacia tetragonophylla</i>	300	1	
	<i>Boerhavia coccinea</i>		0.04	
*	<i>Cenchrus ciliaris</i>	50	0.02	
	<i>Chrysopogon fallax</i>		0.05	
	<i>Cleome viscosa</i>	50	0.05	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	10	0.2	
	<i>Dactyloctenium radulans</i>	30	0.02	
	<i>Eragrostis tenellula</i>	15	0.02	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	70	0.05	
	<i>Eremophila lanceolata</i>		0.05	
	<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	30	0.03	
	<i>Euphorbia biconvexa</i>	30	0.01	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	10	0.01	
	<i>Goodenia prostrata</i>		0.07	
	<i>Polycarpaea longiflora</i>	20	0.02	
*	<i>Portulaca oleracea</i>		0.1	
	<i>Psydrax latifolia</i>	220	0.1	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	60	0.03	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	0.3	
	<i>Salsola australis</i>	30	0.05	
	<i>Sclerolaena cornishiana</i>	20	0.01	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.2	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	120	0.05	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	130	0.5	
	<i>Senna notabilis</i>	30	0.15	
	<i>Solanum lasiophyllum</i>	50	0.2	
	<i>Sporobolus australasicus</i>		0.02	
	<i>Triodia epactia</i>	80	0.1	





<b>Plot:</b>	B115	<b>Corner</b>	nw	se
<b>Date:</b>	19/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2607	2608
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3049	
<b>Zone:</b>	50	<b>Soils</b>	loam over clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	745078	<b>Soil comments:</b>	some small rocks	
<b>NW Northing:</b>	7497175	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	745128	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497125	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat, drainage channel	0.1	0.5	3
<b>Aspect:</b>	na	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	200	6
<b>Disturbance:</b>	low	<b>Lower</b>	100	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	300	1	
	<i>Acacia dictyophleba</i>	400	1	
	<i>Acacia pruinocarpa</i>	400	4	
	<i>Acacia synchronicia</i>	400	2	
	<i>Acacia tetragonophylla</i>	200	0.2	
*	<i>Cenchrus ciliaris</i>	50	0.02	
	<i>Cleome viscosa</i>	50	0.15	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	50	0.1	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Dactyloctenium radulans</i>	30	0.02	
	<i>Duperreya commixta</i>		0.1	
	<i>Dysphania kalpari</i>		0.01	
	<i>Eragrostis setifolia</i>	30	0.2	
	<i>Eragrostis tenellula</i>	15	0.01	
	<i>Eremophila lanceolata</i>		0.03	
	<i>Euphorbia australis</i>		0.01	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	20	0.01	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	25	0.02	
	<i>Gossypium australe</i>	60	0.15	
*	<i>Malvastrum americanum</i>	30	0.01	
*	<i>Portulaca oleracea</i>		0.02	
	<i>Psyrax latifolia</i>	30	0.01	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	60	0.02	
	<i>Ptilotus polystachyus</i>		0.01	
	<i>Sclerolaena cornishiana</i>	20	0.01	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	200	0.15	
	<i>Senna notabilis</i>	30	0.3	
	<i>Solanum lasiophyllum</i>	50	0.1	
	<i>Trianthema triquetra</i>		0.01	
	<i>Tribulus suberosus</i>		0.02	
	<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	30	0.02	
	<i>Triodia epactia</i>	100	30	





<b>Plot:</b>	B116	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2609	2611
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3048	
<b>Zone:</b>	50	<b>Soils</b>	clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	745702	<b>Soil comments:</b>		
<b>NW Northing:</b>	7497783	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	745752	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497733	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.3	2	1
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	20	4
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	90	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Abutilon macrum</i>	30	0.02	
	<i>Acacia aptaneura</i>	700	20	
	<i>Acacia synchronicia</i>	220	0.4	
	<i>Acacia tetragonophylla</i>	400	1.5	
	<i>Alternanthera nodiflora</i>	15	0.01	
*	<i>Bidens bipinnata</i>	40	0.05	
	<i>Blumea tenella</i>	10	0.05	
	<i>Boerhavia coccinea</i>		0.2	
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	15	0.12	
	<i>Chrysopogon fallax</i>	110	3	
	<i>Cleome viscosa</i>	40	0.15	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.05	
	<i>Cucumis maderaspatanus</i>		0.1	
	<i>Dactyloctenium radulans</i>	30	0.02	
	<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>	40	0.02	
	<i>Enteropogon ramosus</i>		0.02	
	<i>Eragrostis tenellula</i>	20	0.07	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>		0.1	
	<i>Eremophila lanceolata</i>	30	0.2	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	20	0.05	
	<i>Goodenia microptera</i>	20	0.01	
	<i>Goodenia prostrata</i>		0.01	
	<i>Gossypium australe</i>	40	0.02	
	<i>Josephinia eugeniae</i>	30	0.02	
	<i>Maireana planifolia</i>	40	0.03	
	<i>Perotis rara</i>	10	0.1	
	<i>Polycarpaea longiflora</i>	10	0.03	
*	<i>Portulaca oleracea</i>		0.1	
	<i>Psyrax latifolia</i>	300	1.5	
	<i>Pterocaulon</i> sp.	30	0.1	
	<i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i>	30	0.03	
	<i>Ptilotus helipteroides</i>		0.01	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	0.2	
	<i>Rhynchosia minima</i>		0.01	

<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.1	
<i>Senna notabilis</i>	30	0.06	
<i>Sida</i> sp.		0.02	
<i>Stenopetalum pedicellare</i>	30	0.1	
<i>Streptoglossa ?decurrens</i>	5	0.04	
Unidentifiable sp.	5	0.02	
<i>Wahlenbergia tumidifructa</i>		0.01	







<b>Plot:</b>	B117	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2612	2613
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	depressions	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	746277	<b>Soil comments:</b>		
<b>NW Northing:</b>	7498443	<b>Outcrop:</b>		
<b>SE Easting:</b>	746327	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498394	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1.5	0.5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	3
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>	surrounded by open clay pan mulga with less herbs			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	700	3	
	<i>Acacia synchronicia</i>	300	1	
	<i>Acacia tetragonophylla</i>	300	0.6	
	<i>Aristida inaequiglumis</i>	110	1	
	<i>Boerhavia coccinea</i>		0.05	
*	<i>Cenchrus ciliaris</i>	50	0.06	
	<i>Cleome oxalidea</i>	10	0.01	
	<i>Cleome viscosa</i>	50	0.3	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.01	
	<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>	10	0.02	
	<i>Enneapogon robustissimus</i>	30	0.02	
	<i>Eragrostis tenellula</i>	20	0.02	
	<i>Eremophila lanceolata</i>	40	0.3	
	<i>Euphorbia ?australis</i>		0.06	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	30	0.01	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.01	
	<i>Goodenia prostrata</i>		0.03	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	130	0.05	
*	<i>Portulaca oleracea</i>		0.15	
	<i>Pterocaulon</i> sp.	30	0.03	
	<i>Ptilotus aervoides</i>		0.1	
	<i>Ptilotus gomphrenoides</i>	20	0.03	
	<i>Salsola australis</i>	50	8	
	<i>Sclerolaena cornishiana</i>	20	0.01	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	130	0.15	
	<i>Senna notabilis</i>	50	4	
	<i>Sida fibulifera</i>		0.02	
	<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	20	0.02	
	<i>Solanum lasiophyllum</i>	60	2	
	<i>Streptoglossa</i> sp.	30	0.04	



<b>Plot:</b>	B118	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2614	2615
<b>Initials:</b>	jl fdw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	depressions	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	746333	<b>Soil comments:</b>		
<b>NW Northing:</b>	7498919	<b>Outcrop:</b>	nz	
<b>SE Easting:</b>	746383	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498869	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat with erosion	1	2	0.5
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	14
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	50	4
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	96	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	600	14	
	<i>Acacia tetragonophylla</i>	100	0.1	
	<i>Aristida holathera</i> var. <i>holathera</i>	20	0.1	
	<i>Aristida inaequiglumis</i>	100	0.5	
	<i>Blumea tenella</i>	10	0.1	
	<i>Boerhavia coccinea</i>		0.3	
	<i>Centipeda minima</i>	15	0.1	
	<i>Cleome viscosa</i>	50	0.5	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	5	0.01	
	<i>Eragrostis setifolia</i>	30	2	
	<i>Eragrostis tenellula</i>	20	0.1	
	<i>Eremophila lanceolata</i>	30	0.2	
	<i>Euphorbia ?australis</i>		0.02	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	20	0.02	
	<i>Goodenia prostrata</i>		0.01	
	<i>Gossypium australe</i>	40	0.1	
	<i>Ipomoea muelleri</i>		0.02	
	<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	50	0.02	
*	<i>Portulaca oleracea</i>		0.2	
	<i>Psydrax latifolia</i>	200	0.2	
	<i>Pterocaulon</i> sp.	20	0.03	
	<i>Ptilotus gomphrenoides</i>	20	0.15	
	<i>Rhynchosia minima</i>		0.01	
	<i>Salsola australis</i>	20	0.03	
	<i>Sclerolaena cornishiana</i>	20	0.03	
	<i>Senna notabilis</i>	40	0.3	
	<i>Solanum lasiophyllum</i>	50	0.2	
	<i>Streptoglossa</i> sp.	20	0.1	
	Unidentifiable sp.	5	0.01	





<b>Plot:</b>	B119	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	flooda's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2615	2616
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	rocky loams over clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown with black grains	
<b>NW Easting:</b>	745000	<b>Soil comments:</b>		
<b>NW Northing:</b>	7498964	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	745050	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498914	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	2
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	600	8
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	60	3
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	96	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	600	5	
	<i>Acacia pruinocarpa</i>	400	4	
	<i>Acacia tetragonophylla</i>	200	0.5	
	<i>Aristida inaequiglumis</i>	100	0.05	
*	<i>Cenchrus ciliaris</i>	40	0.04	
	<i>Chrysopogon fallax</i>	100	0.04	
	<i>Cleome viscosa</i>	50	0.2	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.02	
	<i>Cucumis maderaspatanus</i>		0.05	
	<i>Eragrostis tenellula</i>	20	0.1	
	<i>Eremophila lanceolata</i>	30	0.1	
	<i>Eriachne mucronata</i>	50	0.2	
	<i>Euphorbia ?australis</i>		0.02	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.01	
	<i>Gossypium australe</i>	30	0.01	
	<i>Heliotropium heteranthum</i>	1	0.01	
	<i>Maireana planifolia</i>	40	0.01	
	<i>Perotis rara</i>	10	0.01	
	<i>Polycarpaea longiflora</i>	20	0.15	
*	<i>Portulaca oleracea</i>		0.2	
	<i>Psyrax latifolia</i>	200	0.5	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	40	0.03	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	1	
	<i>Salsola australis</i>	30	0.3	
	<i>Sclerolaena cornishiana</i>	20	0.03	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	80	0.4	
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	110	0.06	
	<i>Senna notabilis</i>	40	0.1	
	<i>Solanum lasiophyllum</i>	50	0.5	



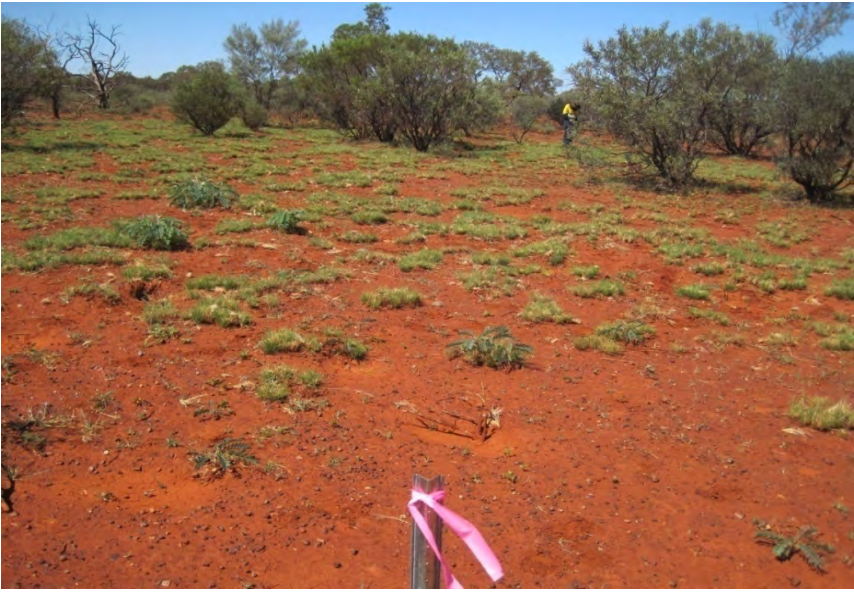


<b>Plot:</b>	B120	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	N/A	<b>Photo #</b>	2617	2618
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	N/A	
<b>Initials Revisit:</b>	N/A	<b>Photo # Revisit:</b>	N/A	
<b>Zone:</b>	50	<b>Soils</b>	rocky loams over clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown with black grains	
<b>NW Easting:</b>	745005	<b>Soil comments:</b>		
<b>NW Northing:</b>	7499429	<b>Outcrop:</b>		
<b>SE Easting:</b>	745054	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499379	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	1	1
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	800	6
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	50	2
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	97	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	700	5	
	<i>Acacia pruinocarpa</i>	500	2	
	<i>Acacia synchronicia</i>	130	0.1	
	<i>Acacia tetragonophylla</i>	100	0.1	
	<i>Aristida contorta</i>	10	0.01	
	<i>Boerhavia coccinea</i>		0.3	
*	<i>Cenchrus ciliaris</i>	30	0.05	
	<i>Chrysopogon fallax</i>	100	0.02	
	<i>Cleome viscosa</i>	40	0.05	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.06	
	<i>Eragrostis tenellula</i>	15	0.03	
	<i>Eriachne mucronata</i>	30	0.1	
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>	20	0.01	
	<i>Euphorbia ?australis</i>		0.05	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.02	
	<i>Goodenia prostrata</i>		0.03	
	<i>Hakea lorea</i> subsp. <i>lorea</i>	400	0.6	
	<i>Heliotropium heteranthum</i>	1	0.01	
	<i>Perotis rara</i>	10	0.04	
	<i>Polycarpaea longiflora</i>	10	0.3	
*	<i>Portulaca oleracea</i>		0.2	
	<i>Psydrax latifolia</i>	300	1	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	30	0.03	
	<i>Salsola australis</i>	30	0.03	
	<i>Sclerolaena cornishiana</i>	20	0.01	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.3	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	130	0.2	
	<i>Senna notabilis</i>	30	0.1	
	<i>Solanum lasiophyllum</i>	50	0.4	
	<i>Triodia longiceps</i>	60	0.2	





<b>Plot:</b>	B121	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2620	2619
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3051	
<b>Zone:</b>	50	<b>Soils</b>	rocky loams over clay pans	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	747149	<b>Soil comments:</b>		
<b>NW Northing:</b>	7496217	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	747199	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7496167	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	3	3
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	1000	2
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>	300	6
<b>Disturbance:</b>	low	<b>Lower</b>	20	4
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	200	1	
	<i>Acacia synchronicia</i>	300	3	
	<i>Acacia tetragonophylla</i>	200	0.5	
	<i>Acacia xiphophylla</i>	300	6	
	<i>Boerhavia coccinea</i>		0.2	
*	<i>Cenchrus ciliaris</i>	30	0.05	
	<i>Cleome viscosa</i>	30	0.04	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.03	
	<i>Dactyloctenium radulans</i>	20	0.02	
	<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	10	0.01	
	<i>Eragrostis setifolia</i>	30	6	
	<i>Eremophila lanceolata</i>		0.03	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	5	0.01	
	<i>Gossypium australe</i>		0.01	
*	<i>Portulaca oleracea</i>		0.04	
	<i>Pterocaulon</i> sp.	10	0.02	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	30	0.01	
	<i>Salsola australis</i>	30	0.04	
	<i>Sclerolaena cornishiana</i>		0.01	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	0.1	
	<i>Senna notabilis</i>	30	0.3	
	<i>Solanum lasiophyllum</i>	50	0.3	
	<i>Sporobolus australasicus</i>	10	0.2	
	<i>Sporobolus australasicus</i>		1	
	<i>Streptoglossa</i> sp.	10	0.02	



<b>Plot:</b>	B122	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2622	2621
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3052	
<b>Zone:</b>	50	<b>Soils</b>	rocky loams over clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	747983	<b>Soil comments:</b>		
<b>NW Northing:</b>	7495913	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	748030	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495863	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	4	3
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	5
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	70	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Abutilon macrum</i>	30	0.01	
	<i>Acacia aptaneura</i>	700	5	
	<i>Acacia inaequilatera</i>	300	0.3	
	<i>Acacia inaequilatera</i>		0.2	
	<i>Acacia pruinocarpa</i>	400	1	
	<i>Acacia tetragonophylla</i>	80	0.1	
	* <i>Bidens bipinnata</i>	30	0.05	
	<i>Boerhavia coccinea</i>		0.2	
	* <i>Cenchrus ciliaris</i>	60	2	
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	10	0.02	
	<i>Cleome viscosa</i>	50	0.1	
	<i>Cucumis maderaspatanus</i>		0.3	
	<i>Cymbopogon obtectus</i>		0.1	
	<i>Duperreya commixta</i>		0.3	
	<i>Eragrostis tenellula</i>	10	0.1	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	1	0.5	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.02	
	<i>Goodenia prostrata</i>		0.02	
	<i>Hakea lorea</i> subsp. <i>lorea</i>		0.2	
	<i>Maireana planifolia</i>	50	0.1	
	* <i>Malvastrum americanum</i>	30	0.02	
	<i>Perotis rara</i>	10	0.05	
	* <i>Portulaca oleracea</i>		0.2	
	<i>Psydrax latifolia</i>	200	0.1	
	<i>Pterocaulon</i> sp.	40	0.03	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.2	
	<i>Salsola australis</i>	30	0.15	
	<i>Sclerolaena cornishiana</i>	20	0.01	
	<i>Senna artemisioides</i> subsp. ?		0.01	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	30	0.03	
	<i>Senna notabilis</i>	30	0.05	
	<i>Sida fibulifera</i>		0.03	
	<i>Solanum lasiophyllum</i>	50	1	
	<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.01	



<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	40	0.04	
<i>Triodia epactia</i>	60	10	





<b>Plot:</b>	B123	<b>Corner</b>	nw	see
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2623	2626
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3053	
<b>Zone:</b>	50	<b>Soils</b>	clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	748701	<b>Soil comments:</b>		
<b>NW Northing:</b>	7495313	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	748751	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495263	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.1	1	3
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	5
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	50	1.5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	98	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia aptaneura</i>	700	6	
	<i>Acacia synchronicia</i>	300	1.5	
	<i>Aristida contorta</i>	20	0.01	
	<i>Aristida inaequiglumis</i>	100	0.02	
	<i>Boerhavia coccinea</i>		0.2	
	<i>Chrysopogon fallax</i>		0.03	
	<i>Cleome viscosa</i>	40	0.2	
	<i>Corchorus soides</i> subsp. <i>soides</i>	10	0.02	
	<i>Dactyloctenium radulans</i>	30	0.01	
	<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	25	0.1	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	60	0.1	
	<i>Eremophila lanceolata</i>	30	0.1	
	<i>Eriachne mucronata</i>	40	0.5	
	<i>Euphorbia ?australis</i>		0.02	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.01	
*	<i>Malvastrum americanum</i>	20	0.02	
*	<i>Portulaca oleracea</i>		0.1	
	<i>Salsola australis</i>	30	0.15	
	<i>Sclerolaena cornishiana</i>	10	0.01	
	<i>Senna artemisioides</i> subsp. <i>helmsii</i>	100	0.1	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	110	0.1	
	<i>Senna notabilis</i>	30	0.2	
	<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/9	20	0.04	
	<i>Solanum lasiophyllum</i>	60	0.3	
	<i>Sporobolus australasicus</i>	10	0.1	
	<i>Sporobolus australasicus</i>		0.1	





<b>Plot:</b>	B124	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2627	2628
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3054	
<b>Zone:</b>	50	<b>Soils</b>	sandy loams over clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown with black grains	
<b>NW Easting:</b>	749671	<b>Soil comments:</b>		
<b>NW Northing:</b>	7495429	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	749721	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495379	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flar	0.1	1	1
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	15
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	100	6
<b>Condition:</b>	excellent	<b>Bare ground (%)</b>	85	
<b>Observations</b>				
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>		0.15	
	<i>Acacia aptaneura</i>	700	14	
	<i>Acacia inaequilatera</i>	200	0.1	
	<i>Acacia inaequilatera</i>		0.1	
	<i>Acacia pruinocarpa</i>	600	3	
	<i>Acacia synchronicia</i>	300	0.2	
	<i>Acacia tetragonophylla</i>	200	0.1	
	<i>Anthobolus leptomerioides</i>	250	0.3	
*	<i>Bidens bipinnata</i>	30	0.02	
*	<i>Cenchrus ciliaris</i>	50	0.5	
	<i>Chrysopogon fallax</i>		0.02	
	<i>Cleome viscosa</i>	50	0.06	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>		0.12	
	<i>Cucumis maderaspatanus</i>		0.5	
	<i>Dodonaea petiolaris</i>	100	0.2	
	<i>Duperreya commixta</i>		0.05	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	80	0.1	
	<i>Eremophila longifolia</i>	30	0.01	
	<i>Gossypium australe</i>	40	0.02	
	<i>Indigofera monophylla</i>	50	0.06	
	<i>Ipomoea muelleri</i>		0.2	
	<i>Maireana planifolia</i>	40	0.1	
*	<i>Portulaca oleracea</i>		0.15	
	<i>Psyrax latifolia</i>	250	0.1	
	<i>Pterocaulon sphaeranthoides</i>		0.05	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	40	0.02	
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>	80	0.1	
	<i>Rhagodia eremaea</i>	120	0.15	
	<i>Sclerolaena cornishiana</i>	30	0.01	
	<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	0.05	
	<i>Senna notabilis</i>	30	0.02	
	<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	30	0.02	
	<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	30	0.02	
	<i>Sporobolus australasicus</i>	10	0.2	
	<i>Sporobolus australasicus</i>		0.1	

<i>Triodia epactia</i>	100	6	
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<b>Plot:</b>	B125	<b>Corner</b>	nw	se
<b>Date:</b>	20/04/2011	<b>Camera</b>	floora's camera	
<b>Date Revisit:</b>	6/07/2011	<b>Photo #</b>	2629	2630
<b>Initials:</b>	jl fw	<b>Camera Revisit:</b>	Floora's camera	
<b>Initials Revisit:</b>	FW / PM	<b>Photo # Revisit:</b>	3064	
<b>Zone:</b>	50	<b>Soils</b>	loams over clay pan	
<b>Datum:</b>	GDA94	<b>Soil colour:</b>	red brown	
<b>NW Easting:</b>	747213	<b>Soil comments:</b>		
<b>NW Northing:</b>	7495548	<b>Outcrop:</b>	na	
<b>SE Easting:</b>	747263	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495498	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.4	2	4
<b>Aspect:</b>	0	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	0	<b>Upper</b>	700	6
<b>Time since fire (yrs):</b>	plus 5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	100	15
<b>Condition:</b>	excellent	<b>Bare ground (%)</b>	75	
<b>Observations</b>	cattle			
	<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
	<i>Acacia ancistrocarpa</i>	200	1	
	<i>Acacia aptaneura</i>	800	3	
	<i>Acacia inaequilatera</i>	200	1.5	
	<i>Acacia inaequilatera</i>		1.5	
	<i>Acacia pruinocarpa</i>	500	3	
	<i>Acacia tetragonophylla</i>	200	0.2	
	<i>Aristida inaequiglumis</i>	100	0.1	
	<i>Boerhavia coccinea</i>		0.06	
	<i>Bulbostylis barbata</i>	4	0.02	
*	<i>Cenchrus ciliaris</i>		0.02	
	<i>Cleome viscosa</i>		0.03	
	<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.05	
	<i>Cucumis maderaspatanus</i>			
	<i>Dactyloctenium radulans</i>	30	0.03	
	<i>Duperreya commixta</i>		0.2	
	<i>Dysphania kalpari</i>		0.02	
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	100	0.6	
	<i>Eremophila lanceolata</i>	30	0.04	
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.02	
	<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.01	
	<i>Goodenia prostrata</i>		0.01	
	<i>Gossypium australe</i>	50	0.05	
	<i>Maireana planifolia</i>	60	0.04	
	<i>Perotis rara</i>	10	0.02	
*	<i>Portulaca oleracea</i>		0.1	
	<i>Psyrdrax latifolia</i>	200	0.1	
	<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	40	0.01	
	<i>Rhynchosia minima</i>	10	0.01	
	<i>Salsola australis</i>	30	0.04	
	<i>Sclerolaena cornishiana</i>	20	0.01	
	<i>Senna notabilis</i>	30	0.3	
	<i>Solanum lasiophyllum</i>	50	0.1	
	<i>Sporobolus australasicus</i>	10	0.1	
	<i>Sporobolus australasicus</i>		0.3	
	<i>Triodia epactia</i>	100	12	



<b>Plot</b>	C001	<b>Camera</b>	Chris		
<b>Date:</b>	15-Apr	<b>Photo #</b>	641-642		
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn		
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>			
<b>Initials revisit:</b>	CH / BN	<b>Soils</b>	sandy loam		
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown		
<b>Datum:</b>	GDA	<b>Soil comments:</b>	sandplain		
<b>NW Easting:</b>	747782	<b>Outcrop:</b>			
<b>NW Northing:</b>	7482500	<b>Outcrop Type:</b>			
<b>SE Easting:</b>	747832	<b>Litter cover (%)</b>			
<b>SE Northing:</b>	7482450	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>	
<b>Topography:</b>	flat		5	5	
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>	
<b>Slope:</b>		<b>Upper</b>			
<b>Time since fire (yrs):</b>	3	<b>Mid</b>	200	15	
<b>Disturbance:</b>	low	<b>Lower</b>	130	40	
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50		
<b>Observations</b>					

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ancistrocarpa</i>	30	0.5	
<i>Acacia dictyophleba</i>	30	0.05	
<i>Acacia inaequilatera</i>		0.01	
<i>Acacia pachyacra</i>	130	0.05	
<i>Acacia tumida</i> var. <i>pilbarensis</i>	170	12	
<i>Aristida holathera</i> var. <i>holathera</i>	50	5	
<i>Bonamia rosea</i>	40	0.1	
<i>Cleome viscosa</i>	30	0.01	
<i>Corchorus elachocarpus</i>	50	0.2	
<i>Corchorus elachocarpus</i>	50	0.2	
<i>Corymbia hamersleyana</i>	700	0.1	
<i>Dicrastylis cordifolia</i>	40	0.02	
<i>Eragrostis eriopoda</i>	40	2	
<i>Eremophila longifolia</i>	130	0.01	
<i>Eriachne aristidea</i>	30	0.1	
<i>Euphorbia australis</i>	20	0.01	
<i>Fimbristylis simulans</i>	10	0.01	
<i>Goodenia microptera</i>	20	0.01	
<i>Goodenia stobbsiana</i>	20	0.01	
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	200	2	
<i>Hybanthus aurantiacus</i>	30	0.05	
<i>Indigofera monophylla</i>	15	0.01	
<i>Mollugo molluginea</i>	10	0.02	
<i>Paraneurachne muelleri</i>	30	0.2	
<i>Petalostylis labicheoides</i>	120	0.05	
<i>Polymeria ambigua</i>		0.01	
<i>Polymeria ambigua</i>	10	0.05	
<i>Ptilotus astrolasius</i>	20	0.01	
<i>Ptilotus polystachyus</i>	50	0.05	
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	20	2	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	40	0.02	
<i>Sida cardiophylla</i>	100	1	
<i>Tephrosia rosea</i> var. <i>glabrior</i>	40	0.02	
<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)	15	0.01	
<i>Trianthema pilosa</i>	5	0.01	
<i>Trianthema pilosa</i>		0.01	
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	15	0.01	
<i>Triodia epactia</i>	70	10	
<i>Triodia schinzii</i>	130	15	





<b>Plot:</b>	C002	<b>Camera</b>	Chris	
<b>Date:</b>	15-Apr	<b>Photo #</b>	646-647	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH / BN	<b>Soils</b>	sandy loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	sandplain	
<b>NW Easting:</b>	747502	<b>Outcrop:</b>		
<b>NW Northing:</b>	7483773	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	747552	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7483723	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	1
<b>Time since fire (yrs):</b>	3	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	150	45
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	45	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>	50	0.05		
<i>Acacia dictyophleba</i>	160	0.5		
<i>Acacia inaequilatera</i>	300	1		
<i>Acacia pachyacra</i>	300	1		
<i>Acacia sericophylla</i>		0.5		
<i>Acacia sericophylla</i>	300	0.5		
<i>Aristida holathera</i> var. <i>holathera</i>	40	2		
<i>Bonamia rosea</i>	20	1		
<i>Cenchrus ciliaris</i>	60	0.05		
<i>Cleome viscosa</i>	70	0.01		
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	250	0.05		
<i>Corchorus elachocarpus</i>	30	5		
<i>Corchorus elachocarpus</i>		0.01		
<i>Corymbia hamersleyana</i>	700	1		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Cullen leucanthum</i>	250	2		
<i>Cymbopogon obtectus</i>	130	0.01		
<i>Dicrastylis cordifolia</i>	40	0.05		
<i>Dicrastylis cordifolia</i>	30	0.01		
<i>Eragrostis eriopoda</i>	40	5		
<i>Eriachne aristidea</i>	30	0.01		
<i>Euphorbia australis</i>	15	0.01		
<i>Goodenia microptera</i>				
<i>Goodenia microptera</i>	20	0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	300	0.5		
<i>Hibiscus sturtii</i> var. <i>platychlamys</i>	70	0.1		
<i>Hybanthus aurantiacus</i>	30	0.01		
<i>Indigofera colutea</i>	20	0.01		
<i>Indigofera monophylla</i>	40	0.01		
<i>Paraneurachne muelleri</i>	30	0.5		
<i>Petalostylis labicheoides</i>	180	0.05		
<i>Ptilotus astrolasius</i>	20	0.05		
<i>Ptilotus polystachyus</i>	30	0.1		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	15	0.1		
<i>Senna notabilis</i>	15	0.01		

<i>Sida cardiophylla</i>	30	0.05	
<i>Solanum centrale</i>	20	0.5	
<i>Solanum lasiophyllum</i>	20	0.01	
<i>Trianthema pilosa</i>	5	0.01	
<i>Tribulus macrocarpus</i>	5	0.01	
<i>Triodia basedowii</i>	100	2	
<i>Triodia epactia</i>	70	15	
<i>Triodia schinzii</i>	150	10	







<b>Plot:</b>	C003	<b>Camera</b>	Chris	
<b>Date:</b>	15-Apr	<b>Photo #</b>	649 650	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH / BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some surface rock	
<b>NW Easting:</b>	741680	<b>Outcrop:</b>		
<b>NW Northing:</b>	7492603	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741730	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492553	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>			4	1
<b>Aspect:</b>	flat	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	3	<b>Mid</b>	250	2
<b>Disturbance:</b>	low	<b>Lower</b>	130	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ancistrocarpa</i>	150	1	
<i>Acacia inaequilatera</i>	250	1.5	
<i>Acacia pruinocarpa</i>	160	0.05	
<i>Aristida contorta</i>	30	0.05	
<i>Aristida holathera</i> var. <i>holathera</i>	20	0.05	
<i>Boerhavia coccinea</i>	10	0.01	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Chrysopogon fallax</i>	130	0.2	
<i>Cleome viscosa</i>	30	0.01	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.05	
<i>Cucumis maderaspatanus</i>		0.05	
<i>Duperreya commixta</i>		0.01	
<i>Dysphania rhadinostachya</i>	20	0.01	
<i>Eragrostis tenellula</i>	30	0.01	
<i>Eriachne aristidea</i>	30	0.05	
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	30	0.01	
<i>Euphorbia australis</i>	15	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.01	
<i>Goodenia microptera</i>	15	0.01	
<i>Goodenia muelleriana</i>	5	0.01	
<i>Gossypium australe</i>	30	0.02	
<i>Hakea lorea</i> subsp. <i>lorea</i>	250	0.5	
<i>Heliotropium inexplicitum</i>	10	0.01	
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	30	0.5	
<i>Phyllanthus erwinii</i>	5	0.01	
<i>Portulaca oleracea</i>	5	0.02	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	15	0.05	
<i>Ptilotus gomphrenoides</i>	5	0.01	
<i>Ptilotus obovatus</i>	25	0.02	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.1	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.5	
<i>Senna notabilis</i>	20	0.1	
<i>Sida cardiophylla</i>	15	0.01	
<i>Sida echinocarpa</i>	30	0.01	
<i>Sida platycalyx</i>	5	0.01	
<i>Solanum lasiophyllum</i>	30	0.5	
<i>Sporobolus australasicus</i>	10	0.05	
<i>Tephrosia supina</i>	20	0.05	
<i>Trianthema pilosa</i>	5	0.01	
<i>Tribulus macrocarpus</i>	5	0.01	
<i>Triodia epactia</i>	70	30	



<b>Plot:</b>	C004	<b>Camera</b>	Chris	
<b>Date:</b>	15-Apr	<b>Photo #</b>	652-653	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH / BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	741743	<b>Outcrop:</b>		
<b>NW Northing:</b>	7493340	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741793	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493290	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>			2	8
<b>Aspect:</b>	flat	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	15
<b>Disturbance:</b>	low	<b>Lower</b>	130	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	30	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	30	0.01	
<i>Acacia ancistrocarpa</i>	250	7	
<i>Acacia inaequilatera</i>	400	3	
<i>Acacia pruinocarpa</i>	300	3	
<i>Acacia synchronicia</i>	300	0.5	
<i>Anthobolus leptomerioides</i>	15	0.05	
<i>Aristida contorta</i>	20	0.01	
<i>Aristida holathera</i>	30	0.02	
<i>Boerhavia coccinea</i>	5	0.01	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Cenchrus ciliaris</i>	40	0.1	
<i>Chrysopogon fallax</i>	130	0.5	
<i>Cleome viscosa</i>	40	0.01	
<i>Corchorus sidioides</i> subsp. <i>sidioides</i>	20	0.05	
<i>Cucumis maderaspatanus</i>		0.05	
<i>Duperreya commixta</i>		0.01	
<i>Enneapogon polyphyllus</i>	30	0.01	
<i>Eriachne aristidea</i>	20	0.05	
<i>Euphorbia alsiniflora</i>	20	0.01	
<i>Euphorbia australis</i>	15	0.05	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.01	
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	300	0.05	
<i>Hakea lorea</i> subsp. <i>lorea</i>	300	1	
<i>Hibiscus sturtii</i> var. <i>platychlamys</i>	30	0.01	
<i>Indigofera colutea</i>	20	0.01	
<i>Paraneurachne muelleri</i>	20	0.05	
<i>Paspalidium basicladum</i>	20	0.01	
<i>Perotis rara</i>	10	0.01	
<i>Polygala isingii</i>	15	0.01	
<i>Pterocaulon sphaeranthoides</i>	15	0.01	
<i>Rhynchosia minima</i>	20	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	60	0.01	
<i>Senna notabilis</i>	20	1	
<i>Sida platycalyx</i>	10	0.02	
<i>Solanum lasiophyllum</i>	20	0.1	
<i>Streptoglossa</i> sp.	10	0.01	
<i>Triodia epactia</i>	120	55	





<b>Plot:</b>	C005	<b>Camera</b>	Chris	
<b>Date:</b>	16-Apr	<b>Photo #</b>	655-656	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH / BN	<b>Soils</b>	sandy loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	747998	<b>Outcrop:</b>		
<b>NW Northing:</b>	7481988	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	748048	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7481938	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	7
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	4	<b>Mid</b>	350	5
<b>Disturbance:</b>	low	<b>Lower</b>	120	45
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	45	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>	40	0.01		
<i>Acacia dictyophleba</i>	15	0.01		
<i>Acacia inaequilatera</i>	350	3		
<i>Acacia pachyacra</i>	300	1		
<i>Aristida holathera</i> var. <i>holathera</i>	30	0.1		
<i>Bonamia rosea</i>	40	0.5		
<i>Cleome viscosa</i>	30	0.01		
<i>Corchorus elachocarpus</i>	40	1		
<i>Corchorus elachocarpus</i>		1		
<i>Dicrastylis cordifolia</i>	50	0.1		
<i>Dysphania rhadinostachya</i> subsp. <i>inflata</i>	10	0.01		
<i>Eragrostis eriopoda</i>	40	0.1		
<i>Eriachne aristidea</i>	30	0.01		
<i>Goodenia microptera</i>	15	0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	80	0.1		
<i>Hakea lorea</i> subsp. <i>lorea</i>	250	0.55		
<i>Indigofera monophylla</i>	30	0.05		
<i>Ptilotus astrolasius</i>	30	0.5		
<i>Ptilotus polystachyus</i>	40	0.02		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	40	0.05		
<i>Senna notabilis</i>	15	0.01		
<i>Sida cardiophylla</i>	50	1		
<i>Solanum centrale</i>	15	0.05		
<i>Solanum lasiophyllum</i>	20	0.01		
<i>Trianthema pilosa</i>	10	0.05		
<i>Tribulus macrocarpus</i>	5	0.01		
<i>Triodia basedowii</i>	80	40		
<i>Triodia epactia</i>	50	0.01		
<i>Triodia schinzii</i>	130	0.5		





<b>Plot:</b>	C006	<b>Camera</b>	Chris	
<b>Date:</b>	16-Apr	<b>Camera revisit</b>	658-659	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	sandy loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	748512	<b>Outcrop:</b>		
<b>NW Northing:</b>	7481815	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	748562	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7481765	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	7
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	4	<b>Mid</b>	4	3
<b>Disturbance:</b>	low	<b>Lower</b>	160	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>	120	0.1		
<i>Acacia dictyophleba</i>	15	0.01		
<i>Acacia pachyacra</i>	200	0.5		
<i>Acacia sericophylla</i>	400	1		
<i>Bonamia rosea</i>	30	0.5		
<i>Corchorus elachocarpus</i>	30	0.05		
<i>Corchorus elachocarpus</i>	15	0.01		
<i>Dicrastylis cordifolia</i>	40	1		
<i>Eragrostis eriopoda</i>	30	0.05		
<i>Eriachne aristidea</i>	20	0.01		
<i>Hakea chordophylla</i>	400	2		
<i>Hakea lorea</i> subsp. <i>lorea</i>	400	0.1		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	130	0.01		
<i>Petalostylis labicheoides</i>	120	0.5		
<i>Ptilotus polystachyus</i>	25	0.01		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	20	0.1		
<i>Senna notabilis</i>	15	0.01		
<i>Sida cardiophylla</i>	30	0.05		
<i>Trianthera pilosa</i>	15	0.1		
<i>Tribulus hirsutus</i>	5	0.01		
<i>Tribulus macrocarpus</i>	5	0.01		
<i>Triodia basedowii</i>	80	5		
<i>Triodia schinzii</i>	150	40		





<b>Plot:</b>	C007	<b>Camera</b>	Chris	
<b>Date:</b>	16-Apr	<b>Photo #</b>	661-662	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743816	<b>Outcrop:</b>		
<b>NW Northing:</b>	7491532	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743866	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7491482	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	5
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	150	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	30	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon otocarpum</i>	30	0.01		
<i>Acacia ancistrocarpa</i>	250	1.00		
<i>Acacia citrinoviridis</i>	500	1.00		
<i>Acacia dictyophleba</i>	250	0.50		
<i>Acacia inaequilatera</i>	400	3.00		
<i>Acacia pruinocarpa</i>	500	1.00		
<i>Acacia synchronicia</i>	250	1.00		
<i>Acacia synchronicia</i>	15	0.01		
<i>Aristida contorta</i>	20	0.05		
<i>Aristida holathera</i> var. <i>holathera</i>	30	0.05		
<i>Boerhavia coccinea</i>	15	0.10		
<i>Bulbostylis barbata</i>	5	5.00		
<i>Cenchrus ciliaris</i>	40	0.50		
<i>Chrysopogon fallax</i>	130	5.00		
<i>Cleome viscosa</i>	30	0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	30	0.05		
<i>Corymbia hamersleyana</i>	600	0.10		
<i>Cucumis maderaspatanus</i>		0.05		
<i>Dysphania rhadinostachya</i>	20	0.01		
<i>Enneapogon polyphyllus</i>	20	0.05		
<i>Eragrostis cumingii</i>	15	0.01		
<i>Eragrostis eriopoda</i>	30	1.00		
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	140	0.10		
<i>Eremophila lanceolata</i>	10	0.01		
<i>Eremophila longifolia</i>	150	0.05		
<i>Eriachne aristidea</i>	20	0.05		
<i>Euphorbia australis</i>	5	0.01		
<i>Euphorbia australis</i>	10	0.01		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	10	0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.01		
<i>Goodenia muelleriana</i>	5	0.01		
<i>Gossypium australe</i>	130	0.05		
<i>Hakea lorea</i> subsp. <i>lorea</i>	350	2.00		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	70	0.01		
<i>Indigofera monophylla</i>	30	0.05		

Species	Height (cm)	% AC	% DC
<i>Ipomoea muelleri</i>	5	0.01	
<i>Paraneurachne muelleri</i>	30	0.20	
<i>Perotis rara</i>	5	0.05	
<i>Poaceae</i> sp.	40	0.01	
<i>Polycarpaea corymbosa</i>	10	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Ptilotus helipteroides</i>	20	0.01	
<i>Rhynchosia minima</i>		0.01	
<i>Sclerolaena cornishiana</i>	20	0.05	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.10	
<i>Senna notabilis</i>	15	0.05	
<i>Sida platycalyx</i>	5	0.01	
<i>Sida platycalyx</i>	30	0.01	
<i>Solanum lasiophyllum</i>	40	0.05	
<i>Sporobolus australasicus</i>	15	0.01	
<i>Streptoglossa ? odora</i>	20	0.02	
<i>Streptoglossa odora</i>	5	0.01	
<i>Tephrosia supina</i>	10	0.01	
<i>Tragus australianus</i>	20	0.01	
<i>Trianthera pilosa</i>	5	0.01	
<i>Tribulus macrocarpus</i>	5	0.01	
<i>Trichodesma zeylanicum</i>	15	0.01	
<i>Triodia epactia</i>	80	40.00	







<b>Plot:</b>	C008	<b>Camera</b>	Chris	
<b>Date:</b>	16-Apr	<b>Photo #</b>	668-669	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	739069	<b>Outcrop:</b>		
<b>NW Northing:</b>	7492515	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739119	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492465	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	3	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	10
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	2
<b>Disturbance:</b>	medium	<b>Lower</b>	120	10
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	85	
<b>Observations</b>	heavy grazing by cattle			
<b>Community Description</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon otocarpum</i>	15	0.01		
<i>Acacia ?aneura</i>	600	8		
<i>Acacia dictyophleba</i>	200	0.1		
<i>Acacia pruinocarpa</i>	200	1		
<i>Acacia synchronicia</i>	300	1		
<i>Aristida contorta</i>	20	0.01		
<i>Aristida inaequiglumis</i>	15	0.01		
<i>Boerhavia burbridgeana</i>	10	0.01		
<i>Boerhavia coccinea</i>	5	0.01		
* <i>Cenchrus ciliaris</i>	80	1		
* <i>Cenchrus setiger</i>	80	1		
<i>Chrysopogon fallax</i>	120	0.2		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	30	0.1		
<i>Corchorus tridens</i>	10	0.01		
<i>Corymbia hamersleyana</i>	700	2		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Enchylaena tomentosa</i>	15	0.05		
<i>Enneapogon polyphyllus</i>	15	0.1		
<i>Eragrostis setifolia</i>	20	0.01		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	50	0.1		
<i>Eremophila lanceolata</i>	20	0.5		
<i>Eremophila longifolia</i>	150	0.05		
<i>Euphorbia australis</i>	10	0.01		
<i>Euphorbia boophthona</i>	15	0.05		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.01		
<i>Goodenia muelleriana</i>	5	0.1		
<i>Goodenia muelleriana</i>	15	0.01		
<i>Gossypium australe</i>	60	0.2		
<i>Hakea lorea</i> subsp. <i>lorea</i>	400	1		
<i>Perotis rara</i>	15	0.01		
<i>Polycarpaea corymbosa</i>	10	0.01		
* <i>Portulaca oleracea</i>	5	0.2		
<i>Ptilotus aervoides</i>	10	0.01		
<i>Sclerolaena comishiana</i>	20	0.2		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.1		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.05		
<i>Senna notabilis</i>	20	1		
<i>Sida platycalyx</i>	10	0.5		
<i>Sida platycalyx</i>	20	0.01		
<i>Solanum lasiophyllum</i>	400	0.5		
<i>Sporobolus australasicus</i>	15	0.05		
<i>Tribulus macrocarpus</i>	5	0.01		
<i>Triodia epactia</i>	80	1		



<b>Plot:</b>	C009	<b>Camera</b>	Chris	
<b>Date:</b>	16-Apr	<b>Photo #</b>	671-672	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	730248	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501774	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	730298	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501724	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	30
<b>Disturbance:</b>	medium	<b>Lower</b>	100	40
<b>Condition:</b>	Good	<b>Bare ground (%):</b>	55	
<b>Observations</b>	heavy grazing by cattle			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	300	0.2	
<i>Acacia ?synchronicia</i>	250	30	
<i>Asteraceae</i> sp.	40	0.01	
<i>Boerhavia burbridgeana</i>	5	1	
<i>Calotis multicaulis</i>	15	0.01	
<i>Cenchrus ciliaris</i>	70	15	
<i>Cenchrus setiger</i>	70	15	
<i>Cleome viscosa</i>	30	0.05	
<i>Corchorus sidioides</i> subsp. <i>sidioides</i>	15	0.01	
<i>Corchorus tridens</i>	10	0.01	
<i>Eremophila longifolia</i>	70	0.1	
<i>Euphorbia drummondii</i> subsp. <i>drummondii</i>	5	0.05	
<i>Indigofera monophylla</i>	20	0.01	
<i>Ipomoea muelleri</i>	10	2	
<i>Portulaca oleracea</i>	5	0.01	
<i>Pterocaulon</i> sp.	15	0.01	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	30	0.01	
<i>Ptilotus macrocephalus</i>	40	0.5	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.05	
<i>Rhagodia eremaea</i>	100	0.02	
<i>Salsola australis</i>	30	3	
<i>Sclerolaena cornishiana</i>	20	0.05	
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	250	0.1	
<i>Senna notabilis</i>	5	0.05	
<i>Sporobolus australasicus</i>	10	0.01	
<i>Streptoglossa odora</i>	5	0.01	
<i>Tribulus astrocarpus</i>	5	0.01	
<i>Vachellia farnesiana</i>	150	0.05	





<b>Plot:</b>	C010	<b>Camera</b>	Chris	
<b>Date:</b>	16-Apr	<b>Photo #</b>	674-675	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soil:</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	730231	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501343	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	730281	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501293	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	500	1
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	350	35
<b>Disturbance:</b>	medium	<b>Lower</b>	80	60
<b>Condition:</b>	Good	<b>Bare ground (%):</b>	35	
<b>Observations</b>	heavy grazing by cattle			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	500	0.5	
<i>Acacia ?synchronicia</i>	350	40	
<i>Acacia citrinoviridis</i>	250	0.1	
<i>Acacia pruinocarpa</i>	500	0.5	
<i>Aristida contorta</i>	30	0.01	
<i>Aristida inaequiglumis</i>	40	0.01	
<i>Boerhavia burbridgeana</i>	10	0.5	
<i>Calotis multicaulis</i>	10	0.01	
<i>Cenchrus ciliaris</i>	80	45	
<i>Cenchrus setiger</i>	80	10	
<i>Chrysopogon fallax</i>	120	0.01	
<i>Cleome viscosa</i>	40	0.01	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.05	
<i>Corchorus tridens</i>	5	0.01	
<i>Cullen</i> sp.	10	0.01	
<i>Dysphania kalpari</i>	5	0.01	
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	5	0.01	
<i>Enneapogon polyphyllus</i>	30	0.01	
<i>Eremophila lanceolata</i>			
<i>Eremophila longifolia</i>	150	0.1	
<i>Euphorbia drummondii</i> subsp. <i>drummondii</i>	10	0.01	
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	5	0.02	
<i>Ipomoea muelleri</i>	15	1	
<i>Portulaca oleracea</i>	5	0.05	
<i>Ptilotus macrocephalus</i>	40	0.05	
<i>Salsola australis</i>	30	0.5	
<i>Sclerolaena cornishiana</i>	15	0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.05	



<b>Plot:</b>	C011	<b>Camera</b>	Chris	
<b>Date:</b>	17-Apr	<b>Photo #</b>	677-678	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	silty loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	736757	<b>Outcrop:</b>		
<b>NW Northing:</b>	7495163	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	736807	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495113	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	2	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	10	25
<b>Time since fire (yrs):</b>	5	<b>Mid</b>		
<b>Disturbance:</b>	medium	<b>Lower</b>	130	50
<b>Condition:</b>	good	<b>Bare ground (%):</b>	45	
<b>Observations</b>	heavy grazing by cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?aneura</i>	700	23		
<i>Acacia ?synchronicia</i>	50	0.01		
<i>Acacia citrinoviridis</i>	250	0.05		
<i>Acacia inaequilatera</i>	350	0.1		
<i>Acacia pruinocarpa</i>	1000	1		
<i>Boerhavia coccinea</i>	10	0.01		
<i>Cenchrus ciliaris</i>	80	25		
<i>Cenchrus setiger</i>	80	25		
<i>Chrysopogon fallax</i>	120	0.05		
<i>Corchorus tridens</i>	5	0.01		
<i>Corymbia hamersleyana</i>	800	1		
<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.1		
<i>Rhagodia eremaea</i>	70	0.01		
<i>Senna notabilis</i>	115	0.01		
<i>Solanum lasiophyllum</i>	30	0.02		
<i>Triodia epactia</i>	120	0.1		
Unidentifiable sp.	5	0.01		





<b>Plot:</b>	C012	<b>Camera</b>	Chris	
<b>Date:</b>	17-Apr	<b>Photo #</b>	681-682	
<b>Date revisit:</b>	Jul-11	<b>camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	732636	<b>Outcrop:</b>		
<b>NW Northing:</b>	7500171	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	732686	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500121	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flet		1	2
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	10
<b>Disturbance:</b>	medium	<b>Lower</b>	120	5
<b>Condition:</b>	good	<b>Bare ground (%):</b>	92	
<b>Observations</b>	heavy grazing from cattle			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	350	0.2	
<i>Acacia ?synchronicia</i>	300	9	
<i>Acacia citrinoviridis</i>	400	0.1	
<i>Acacia inaequilatera</i>	300	0.2	
<i>Acacia pruinocarpa</i>	350	0.1	
<i>Cenchrus ciliaris</i>	70	2	
<i>Cenchrus setiger</i>	70	2	
<i>Chrysopogon fallax</i>	120	0.01	
<i>Cleome viscosa</i>	20	0.01	
<i>Corchorus tridens</i>	5	0.01	
<i>Eremophila lanceolata</i>	30	0.01	
<i>Euphorbia boophthona</i>	5	0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.5	
<i>Ipomoea muelleri</i>	5	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Ptilotus aevoides</i>	3	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	20	0.05	
<i>Rhagodia eremaea</i>	60	0.02	
<i>Sclerolaena cornishiana</i>	20	0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	30	0.05	
<i>Solanum lasiophyllum</i>	300	0.05	



<b>Plot:</b>	C013	<b>Camera</b>	Chris	
<b>Date:</b>	17-Apr	<b>Photo #</b>	684-685	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	733450	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499499	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	733500	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499449	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	3	7
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	20
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	250	3
<b>Disturbance:</b>	medium	<b>Lower</b>	130	80
<b>Condition:</b>	good	<b>Bare ground (%):</b>	10	
<b>Observations</b>	heavy grazing from cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	30	0.01		
<i>Acacia ?aneura</i>	1000	15		
<i>Acacia ?synchronicia</i>	250	3		
<i>Acacia citrinoviridis</i>	800	5		
<i>Acacia pruinocarpa</i>	150	0.05		
<i>Alysicarpus muelleri</i>	30	0.01		
<i>Amyema fitzgeraldii</i>		0.5		
<i>Cenchrus ciliaris</i>	80	28		
<i>Cenchrus setiger</i>	80	50		
<i>Chrysopogon fallax</i>	120	0.5		
<i>Corchorus tridens</i>	5	0.01		
<i>Cucumis maderaspatanus</i>		0.2		
<i>Ipomoea muelleri</i>		1		
<i>Senna notabilis</i>	15	0.05		





<b>Plot:</b>	C014	<b>Camera</b>	Chris	
<b>Date:</b>	17-Apr	<b>Photo #</b>	688-689	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	sand dune	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	sand dune	
<b>NW Easting:</b>	726793	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505838	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726843	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505783	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	dune ridge		10	5
<b>Aspect:</b>	dune running nw to se	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	ridge	<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	250	10
<b>Disturbance:</b>	low	<b>Lower</b>	140	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	55	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia dictyophleba</i>	250	5		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	250	0.2		
<i>Aristida holathera</i> var. <i>holathera</i>	20	0.2		
<i>Bonamia rosea</i>	30	0.2		
<i>Cenchrus ciliaris</i>	70	3		
<i>Corchorus ?elachocarpus</i>	20	0.1		
<i>Corchorus ?elachocarpus</i>	20	0.1		
<i>Crotalaria cunninghamii</i>	30	0.05		
<i>Eragrostis eriopoda</i>	30	0.5		
<i>Hakea lorea</i> subsp. <i>lorea</i>	250	0.3		
<i>Hibiscus leptocladus</i>	120	0.05		
<i>Indigofera monophylla</i>	20	0.05		
<i>Ptilotus polystachyus</i>	30	0.1		
<i>Rhyncharrhena linearis</i>		0.1		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.02		
<i>Senna notabilis</i>	15	0.01		
<i>Sida cardiophylla</i>	30	0.05		
<i>Sida cardiophylla</i>	30	0.05		
<i>Stylobasium spathulatum</i>	200	5		
<i>Trianthema pilosa</i>	5	3		
<i>Triodia basedowii</i>	120	5		
<i>Triodia schinzii</i>	140	15		



<b>Plot:</b>	C015	<b>Camera</b>	Chris	
<b>Date:</b>	17-Apr	<b>Photo #</b>	691-692	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	sandy loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	dune swale	
<b>NW Easting:</b>	726643	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505754	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726693	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505704	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	dune swale		1	4
<b>Aspect:</b>	dune swale running n	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	swale	<b>Upper</b>	600	2
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	5
<b>Disturbance:</b>	low	<b>Lower</b>	140	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	55	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	130	0.2		
<i>Acacia dictyophleba</i>	180	0.1		
<i>Acacia inaequilatera</i>	300	0.2		
<i>Acacia pachyacra</i>	40	0.02		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	400	4		
<i>Acacia tetragonophylla</i>	170	0.1		
<i>Atalaya hemiglauca</i>	700	1		
<i>Boerhavia burbridgeana</i>	5	0.01		
<i>Cenchrus ciliaris</i>	80	18		
<i>Cleome viscosa</i>	30	0.01		
<i>Corymbia hamersleyana</i>	700	1		
<i>Dysphania rhadinostachya</i>	20	0.02		
<i>Eragrostis eriopoda</i>	30	0.05		
<i>Euphorbia alsiniflora</i>	15	0.01		
<i>Euphorbia boophthona</i>	10	0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.2		
<i>Portulaca oleracea</i>	5	0.05		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.5		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	40	0.01		
<i>Solanum lasiophyllum</i>	30	0.05		
<i>Sporobolus australasicus</i>	40	0.01		
<i>Stylobasium spathulatum</i>	50	0.5		
<i>Trianthema triquetra</i>	5	0.05		
<i>Triodia basedowii</i>	130	20		





<b>Plot:</b>	C016	<b>Camera</b>	Chris	
<b>Date:</b>	17-Apr	<b>Photo #</b>	694-695	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	727331	<b>Outcrop:</b>		
<b>NW Northing:</b>	7504430	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	727381	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504380	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	25
<b>Disturbance:</b>	medium	<b>Lower</b>	100	15
<b>Condition:</b>	good	<b>Bare ground (%):</b>	85	
<b>Observations</b>	heavy grazing from cattle			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?synchronicia</i>	300	20	
<i>Acacia aneura</i>	100	0.2	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	1	
<i>Boerhavia coccinea</i>	5	0.01	
<i>Cenchrus ciliaris</i>	80	10	
<i>Cenchrus setiger</i>	80	1	
<i>Cleome viscosa</i>	40	0.01	
<i>Enneapogon polyphyllus</i>	300	0.01	
<i>Enneapogon polyphyllus</i>	30	0.01	
<i>Eulalia aurea</i>	550	0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>	400	4	
<i>Portulaca oleracea</i>	5	0.01	
<i>Pterocaulon sphaeranthoides</i>	30	0.05	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	20	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	30	0.1	
<i>Salsola australis</i>	40	2	
<i>Senna notabilis</i>	20	0.01	
<i>Solanum lasiophyllum</i>	30	0.1	
<i>Sporobolus australasicus</i>	10	0.01	
<i>Trianthema triquetra</i>	10	0.01	



<b>Plot:</b>	C017	<b>Camera</b>	Chris	
<b>Date:</b>	18-Apr	<b>Photo #</b>	697-698	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	725016	<b>Outcrop:</b>		
<b>NW Northing:</b>	7507093	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	725066	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7507043	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	10
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	120	20
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	75	
<b>Observations</b>	some grazing from cattle			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	600	8	
<i>Acacia ?synchronicia</i>	250	44	
<i>Acacia tetragonophylla</i>	300	1	
<i>Atriplex amnicola</i>	80	5	
<i>Boerhavia burbridgeana</i>	5	0.01	
<i>Cenchrus ciliaris</i>	80	5	
<i>Cenchrus setiger</i>	80	0.1	
<i>Chloris pectinata</i>	15	0.01	
<i>Chrysopogon fallax</i>	120	0.05	
<i>Cleome viscosa</i>	30	0.01	
<i>Dactyloctenium radulans</i>	10	0.01	
<i>Enchylaena tomentosa</i>	60	0.05	
<i>Eragrostis setifolia</i>	30	0.1	
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	50	0.05	
<i>Eucalyptus victrix</i>	600	2	
<i>Maireana pyramidata</i>	100	8	
<i>Panicum laevinode</i>	15	0.05	
<i>Portulaca oleracea</i>	5	0.01	
<i>Ptilotus macrocephalus</i>	20	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.05	
<i>Rhagodia eremaea</i>	80	0.05	
<i>Salsola australis</i>	20	0.01	
<i>Sclerolaena cuneata</i>	10	0.01	
<i>Sclerolaena diacantha</i>	20	0.05	
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	20	0.05	
<i>Sporobolus australasicus</i>	15	0.01	





<b>Plot:</b>	C018	<b>Camera</b>	Chris	
<b>Date:</b>	18-Apr	<b>Photo #</b>	700-701	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	725064	<b>Outcrop:</b>		
<b>NW Northing:</b>	7506361	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	725114	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506311	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		5	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	3	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	150	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>	some grazing from cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon otocarpum</i>	30	0.01		
<i>Abutilon trudgenii</i>	40	0.05		
<i>Acacia ?synchronicia</i>	150	5		
<i>Aristida holathera</i> var. <i>holathera</i>	30	1		
<i>Aristida inaequiglumis</i>	30	0.5		
<i>Boerhavia coccinea</i>	5	0.01		
<i>Bonamia rosea</i>	20	0.05		
<i>Bulbostylis barbata</i>	5	0.01		
<i>Cenchrus ciliaris</i>	70	2		
<i>Chrysopogon fallax</i>	130	0.05		
<i>Cleome viscosa</i>	30	0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	30	5		
<i>Corchorus</i> sp.	30	0.5		
<i>Corchorus walcottii</i>	30	0.5		
<i>Dysphania rhadinostachya</i> subsp. <i>inflata</i>	15	0.01		
<i>Eragrostis dielsii</i>	5	0.02		
<i>Eragrostis eriopoda</i>	50	2		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	60	0.01		
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	75	0.02		
<i>Eremophila longifolia</i>	50	0.02		
<i>Eriachne aristidea</i>	30	0.05		
<i>Euphorbia australis</i>	5	0.05		
<i>Goodenia microptera</i>	15	0.01		
<i>Gossypium australe</i>	50	0.05		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	40	0.5		
<i>Iseilema eremaeum</i>	15	0.01		
<i>Maireana planifolia</i>	20	0.05		
<i>Maireana planifolia</i>	60	0.05		
<i>Maireana</i> sp.	20	0.01		
<i>Perotis rara</i>	15	0.01		
<i>Pluchea ferdinandi-muelleri</i>	30	2		
<i>Pluchea ferdinandi-muelleri</i>	45	0.5		
<i>Pluchea rubelliflora</i>	20	0.01		
<i>Portulaca oleracea</i>	5	0.01		
<i>Pterocaulon sphaeranthoides</i>	20	0.01		

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Ptilotus astrolasius</i>	30	3	
<i>Ptilotus calostachyus</i>	60	0.01	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	70	0.1	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	30	0.5	
<i>Ptilotus polystachyus</i>	40	0.01	
<i>Rhagodia eremaea</i>	70	0.05	
<i>Salsola australis</i>	20	0.01	
<i>Sclerolaena ?deserticola</i>	20	0.05	
<i>Sclerolaena costata</i>	15	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	15	0.01	
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	40	0.01	
<i>Senna notabilis</i>	20	0.01	
<i>Sida echinocarpa</i>	30	0.1	
<i>Solanum lasiophyllum</i>	60	1	
<i>Sporobolus australasicus</i>	15	0.5	
<i>Stylobasium spathulatum</i>	60	1	
<i>Trianthema triquetra</i>	5	0.01	
<i>Tribulus hirsutus</i>	5	0.01	
<i>Tribulus macrocarpus</i>	5	0.1	
<i>Triodia basedowii</i>	80	30	







<b>Plot:</b>	C019	<b>Camera</b>	Chris	
<b>Date:</b>	18-Apr	<b>Photo #</b>	703-704	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	sandy loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	727995	<b>Outcrop:</b>		
<b>NW Northing:</b>	7500221	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	728045	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500171	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	500	5
<b>Disturbance:</b>	low	<b>Lower</b>	150	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>	Note: GPS recording was inaccurate, Northing was guessed. Original Northing was 750221 and 750171 for NW and SE corners respectively			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ancistrocarpa</i>	200	0.2	
<i>Acacia dictyophleba</i>	500	2	
<i>Acacia pachyacra</i>	200	1	
<i>Acacia tumida</i> var. <i>pilbarensis</i>	500	1	
<i>Aristida holathera</i> var. <i>holathera</i>	30	0.1	
<i>Bonamia rosea</i>	30	2	
<i>Bonamia rosea</i>	40	2	
<i>Corchorus ?elachocarpus</i>	30	2	
<i>Corchorus elachocarpus</i>	30	2	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Cullen leucanthum</i>	40	0.05	
<i>Cymbopogon obtectus</i>	130	0.01	
<i>Dicrastylis cordifolia</i>	30	0.01	
<i>Dodonaea coriacea</i>	40	0.05	
<i>Enneapogon polyphyllus</i>	30	0.01	
<i>Eragrostis eriopoda</i>	30	1	
<i>Eriachne aristidea</i>	20	0.05	
<i>Euphorbia australis</i>	10	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.01	
<i>Hakea chordophylla</i>	250	1	
<i>Indigofera monophylla</i>	40	1	
<i>Iseilema eremaeum</i>	10	0.01	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	30	0.01	
<i>Ptilotus polystachyus</i>	60	0.01	
<i>Senna notabilis</i>	20	0.05	
<i>Sida cardiophylla</i>	40	1	
<i>Sida cardiophylla</i>	50	1	
<i>Streptoglossa</i> sp.	5	0.01	
<i>Trianthema pilosa</i>	5	0.05	
<i>Tribulus macrocarpus</i>	10	0.05	
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	30	0.01	
<i>Triodia basedowii</i>	80	40	



<b>Plot:</b>	C020	<b>Camera</b>	Chris	
<b>Date:</b>	18-Apr	<b>Photo #</b>	706-707	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	735964	<b>Outcrop:</b>		
<b>NW Northing:</b>	7495655	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	736014	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495605	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	5
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	350	5
<b>Disturbance:</b>	medium	<b>Lower</b>	80	40
<b>Condition:</b>	good	<b>Bare ground (%):</b>	50	
<b>Observations</b>	Some grazing from cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	250	0.5		
<i>Acacia citrinoviridis</i>	250	0.5		
<i>Acacia dictyophleba</i>	250	0.05		
<i>Acacia inaequilatera</i>	350	4		
<i>Acacia pruinocarpa</i>	600	2		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	200	0.1		
<i>Acacia sericophylla</i>	170	0.1		
<i>Atalaya hemiglauca</i>	600	0.1		
<i>Capparis spinosa</i>	30	0.01		
<i>Cenchrus ciliaris</i>	80	1		
<i>Cenchrus setiger</i>	80	38		
<i>Corymbia hamersleyana</i>	700	1		
<i>Hakea lorea</i> subsp. <i>lorea</i>	600	2		
<i>Rhagodia eremaea</i>	60	0.5		
<i>Vachellia farnesiana</i>	200	0.1		





<b>Plot:</b>	C021	<b>Camera</b>	Chris	
<b>Date:</b>	18-Apr	<b>Photo #</b>	709-710	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	738081	<b>Outcrop:</b>		
<b>NW Northing:</b>	7495140	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	738131	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495090	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	2	18
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	5
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	500	5
<b>Disturbance:</b>	medium	<b>Lower</b>	100	30
<b>Condition:</b>	good	<b>Bare ground (%):</b>	50	
<b>Observations</b>	Some grazing from cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?aneura</i>	150	0.1		
<i>Acacia citrinoviridis</i>	1000	4		
<i>Acacia inaequilatera</i>	400	2		
<i>Acacia synchronicia</i>	500	3		
<i>Atalaya hemiglauca</i>	500	0.5		
<i>Cenchrus ciliaris</i>	80	20		
<i>Cenchrus setiger</i>	80	10		
<i>Corymbia hamersleyana</i>	700	0.5		
<i>Hakea lorea</i> subsp. <i>lorea</i>	500	0.5		
<i>Rhagodia eremaea</i>	70	0.05		
<i>Salsola australis</i>	30	0.01		



<b>Plot:</b>	C022	<b>Camera</b>	Chris	
<b>Date:</b>	18-Apr	<b>Photo #</b>	712-713	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	740994	<b>Outcrop:</b>		
<b>NW Northing:</b>	7495233	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741044	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7495183	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	3	5	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	30
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	500	5
<b>Disturbance:</b>	low	<b>Lower</b>	140	15
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	30	0.05	
<i>Acacia ?aneura</i>	1000	30	
<i>Acacia ?synchronicia</i>	250	2	
<i>Acacia pruinocarpa</i>	300	0.1	
<i>Aristida inaequiglumis</i>	70	0.01	
<i>Bidens bipinnata</i>	10	0.05	
<i>Blumea tenella</i>	5	0.01	
<i>Cenchrus ciliaris</i>	80	1	
<i>Chloris pectinata</i>	30	1	
<i>Chloris pumilio</i>	70	0.01	
<i>Chrysopogon fallax</i>	130	0.5	
<i>Corchorus tridens</i>	5	0.05	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Dactyloctenium radulans</i>	15	0.01	
<i>Digitaria ctenantha</i>	20	0.01	
<i>Enneapogon polyphyllus</i>	20	0.01	
<i>Eragrostis setifolia</i>	40	5	
<i>Eragrostis tenellula</i>	30	0.01	
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	60	0.1	
<i>Eremophila glabra</i>	30	0.1	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	5	0.01	
<i>Ipomoea muelleri</i>		0.01	
<i>Iseilema membranaceum</i>	5	0.01	
<i>Maireana planifolia</i>	20	0.1	
<i>Perotis rara</i>	10	0.05	
<i>Poaceae</i> sp.	40	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Psyrdrax latifolia</i>	500	3	
<i>Pterocaulon</i> sp.	5	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	30	0.5	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	180	0.5	
<i>Senna notabilis</i>	15	0.01	
<i>Sida platycalyx</i>	5	0.01	
<i>Solanum lasiophyllum</i>	40	0.05	
<i>Spermacoce brachystema</i>	20	0.01	
<i>Sporobolus australasicus</i>	15	0.05	



<i>Stenopetalum nutans</i>	10	0.01	
<i>Triodia epactia</i>	80	5	





<b>Plot:</b>	C023	<b>Camera</b>	Chris	
<b>Date:</b>	19-Apr	<b>Photo #</b>	715-716	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	744382	<b>Outcrop:</b>		
<b>NW Northing:</b>	7504439	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744432	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504389	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	5	15	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	50
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	350	5
<b>Disturbance:</b>	low	<b>Lower</b>	130	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	20	0.02		
<i>Acacia ?aneura</i>	1000	45		
<i>Acacia ?aneura</i>	700	1		
<i>Acacia ?synchronicia</i>	350	1		
<i>Acacia ancistrocarpa</i>	300	0.1		
<i>Acacia tetragonophylla</i>	800	0.5		
<i>Acacia xiphophylla</i>	1000	2		
<i>Bidens bipinnata</i>	10	0.01		
<i>Blumea tenella</i>	5	0.01		
<i>Cenchrus ciliaris</i>	50	1		
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	10	0.1		
<i>Chrysopogon fallax</i>	130	1		
<i>Corchorus tridens</i>	15	0.05		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Dactyloctenium radulans</i>	10	0.01		
<i>Enteropogon ramosus</i>	20	0.01		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	60	0.1		
<i>Eremophila glabra</i>	20	0.05		
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	180	1		
<i>Eriachne mucronata</i>	40	1		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.05		
<i>Ipomoea muelleri</i>		0.5		
<i>Maireana planifolia</i>	40	0.1		
<i>Perotis rara</i>	10	0.01		
<i>Polycarpaea corymbosa</i>	5	0.01		
<i>Psyrax latifolia</i>	800	2		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	0.2		
<i>Rhagodia eremaea</i>	130	0.1		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	15	0.01		
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	170	0.01		
<i>Sida</i> sp. verrucose glands (F.H. Mollemans 2423)	10	0.01		
<i>Spermacoce brachystema</i>	10	0.01		
<i>Sporobolus australasicus</i>	15	0.2		
<i>Stenopetalum nutans</i>	10	0.01		





<b>Plot:</b>	C024	<b>Camera</b>	Chris	
<b>Date:</b>	19-Apr	<b>Photo #</b>	722-723	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	Pothole clays present	
<b>NW Easting:</b>	743034	<b>Outcrop:</b>		
<b>NW Northing:</b>	7504737	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743084	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7504687	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	10	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	35
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	500	5
<b>Disturbance:</b>	low	<b>Lower</b>	130	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	30	0.01		
<i>Acacia ?aneura</i>	1000	35		
<i>Acacia ?synchronicia</i>	400	3		
<i>Acacia tetragonophylla</i>	350	0.5		
<i>Aristida latifolia</i>	130	0.2		
<i>Cenchrus ciliaris</i>	60	0.1		
<i>Chrysopogon fallax</i>	120	1		
<i>Cleome viscosa</i>	30	0.05		
<i>Eragrostis setifolia</i>	30	1		
<i>Eremophila glabra</i>	20	0.05		
<i>Eriachne flaccida</i>	30	2		
<i>Ipomoea muelleri</i>		0.05		
<i>Maireana planifolia</i>	50	0.05		
<i>Malvastrum americanum</i>	20	0.01		
<i>Psyrdrax latifolia</i>	400	1		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.2		
<i>Rhagodia eremaea</i>	50	0.1		
<i>Salsola australis</i>	40	0.05		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	160	0.5		
<i>Sida fibulifera</i>	15	0.01		
<i>Sporobolus australasicus</i>	10	0.05		





<b>Plot:</b>	C025	<b>Camera</b>	Chris	
<b>Date:</b>	19-Apr	<b>Photo #</b>	725-726	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	Pothole clays present	
<b>NW Easting:</b>	743530	<b>Outcrop:</b>		
<b>NW Northing:</b>	7506347	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743580	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506297	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	40
<b>Time since fire (yrs):</b>	5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	150	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	15	0.01		
<i>Abutilon macrum</i>	40	0.1		
<i>Acacia ?aneura</i>	800	18		
<i>Acacia tetragonophylla</i>	500	2		
<i>Alternanthera nodiflora</i>	15	0.01		
<i>Bidens bipinnata</i>	20	0.05		
<i>Blumea tenella</i>	15	5		
<i>Boerhavia coccinea</i>	5	0.01		
<i>Cenchrus ciliaris</i>	70	5		
<i>Centipeda minima</i> subsp. <i>macrocephala</i>	10	0.05		
<i>Chrysopogon fallax</i>	130	5		
<i>Cleome viscosa</i>	40	0.5		
<i>Cleome viscosa</i>	5	0.01		
<i>Convolvulus clementii</i>		0.01		
<i>Corchorus tridens</i>	10	10		
<i>Corymbia</i> sp.	700	20		
<i>Cucumis maderaspatanus</i>		0.5		
<i>Cyperus iria</i>	5	0.05		
<i>Dactyloctenium radulans</i>	10	0.05		
<i>Dysphania rhadinostachya</i>	5	0.01		
<i>Enneapogon polyphyllus</i>	30	0.1		
<i>Enteropogon ramosus</i>	15	0.05		
<i>Eragrostis setifolia</i>	30	2		
<i>Eragrostis tenellula</i>	20	0.1		
<i>Eremophila glabra</i>	20	0.5		
<i>Eriachne benthamii</i>	20	8		
<i>Eulalia aurea</i>	10	0.01		
<i>Euphorbia ?alsiniflora</i>	5	0.01		
<i>Euphorbia boophthona</i>	5	0.01		
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	15	0.02		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.05		
<i>Fimbristylis microcarya</i>	10	5		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.1		
<i>Goodenia muelleriana</i>	5	0.01		
<i>Goodenia nuda</i>	20	0.05		



Species	Height (cm)	% AC	% DC
<i>Ipomoea muelleri</i>		2	
<i>Ipomoea polymorpha</i>	10	0.01	
<i>Iseilema eremaeum</i>	15	0.01	
<i>Josephinia eugeniae</i>	15	0.1	
<i>Malvastrum americanum</i>	30	10	
<i>Marsilea hirsuta</i>	10	0.01	
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	40	0.5	
<i>Peplidium</i> sp.C Evol. Fl. Fauna Arid Aust (N.T. Burbic)	5	0.01	
<i>Perotis rara</i>	10	0.05	
<i>Poaceae</i> sp.	15	0.01	
<i>Polycarpaea corymbosa</i>	10	0.01	
<i>Psyrax latifolia</i>	500	1	
<i>Pterocaulon</i> sp.	15	0.01	
<i>Ptilotus gomphrenoides</i>	15	0.01	
<i>Ptilotus macrocephalus</i>	20	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.5	
<i>Rhagodia eremaea</i>	80	0.1	
<i>Rhynchosia minima</i>	20	0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	30	0.05	
<i>Sida fibulifera</i>	20	0.01	
<i>Spermacoce brachystema</i>	10	0.01	
<i>Sporobolus australasicus</i>	15	5	
<i>Streptoglossa</i> sp.	15	0.5	
<i>Tragus australianus</i>	20	0.01	
<i>Wahlenbergia tumidifructa</i>	10	0.01	





<b>Plot:</b>	C026	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	738-739	
<b>Date revisit:</b>	Jul-11	<b>camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	Loam on banks with clay	
<b>NW Easting:</b>	740661	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499619	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740711	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499569	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	drainage line	2	2	8
<b>Aspect:</b>	north south	<b>STRATA</b>		
<b>Slope:</b>	5 degree banks	<b>Upper</b>	1000	10
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>	400	5
<b>Disturbance:</b>	medium	<b>Lower</b>	150	40
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	50	
<b>Observations</b>	some grazing from cattle			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	800	2	
<i>Acacia ?synchronicia</i>	200	0.5	
<i>Acacia dictyophleba</i>	400	1	
<i>Acacia pruinocarpa</i>	700	0.5	
<i>Acacia tetragonophylla</i>	400	1	
<i>Amyema fitzgeraldii</i>		0.1	
<i>Atalaya hemiglauca</i>	80	0.1	
<i>Boerhavia burbridgeana</i>	5	0.01	
<i>Boerhavia coccinea</i>	5	0.02	
<i>Cenchrus ciliaris</i>	80	35	
<i>Chloris pectinata</i>	30	0.1	
<i>Cleome viscosa</i>	40	0.05	
<i>Corchorus tridens</i>	5	1	
<i>Corymbia hamersleyana</i>	1000	5	
<i>Ehretia saligna</i> var. <i>saligna</i>	700	0.5	
<i>Malvastrum americanum</i>	40	1	
<i>Portulaca oleracea</i>		0.01	
<i>Salsola australis</i>	30	0.1	
<i>Sclerolaena cornishiana</i>	15	0.01	
<i>Senna notabilis</i>	20	0.1	
<i>Sporobolus australasicus</i>	15	0.05	
<i>Tephrosia rosea</i> ? var. <i>clementii</i>	5	0.01	
<i>Themeda triandra</i>	150	1	
<i>Tribulus hirsutus</i>	5	0.01	
<i>Triodia epactia</i>	80	3	
<i>Triodia longiceps</i>	60	0.1	
<i>Vachellia farnesiana</i>	400	3	





<b>Plot:</b>	C027	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	745-746	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	Loam on banks with clay	
<b>NW Easting:</b>	740084	<b>Outcrop:</b>		
<b>NW Northing:</b>	7498038	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	740134	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7497988	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	wide drainage line	2	2	8
<b>Aspect:</b>	northwest southeast	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	>5 degree banks	<b>Upper</b>	1200	5
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>		
<b>Disturbance:</b>	medium	<b>Lower</b>	180	35
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	55	
<b>Observations</b>	some grazing from cattle			
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>		800	0.5	
<i>Acacia ?synchronicia</i>		200	0.5	
<i>Acacia citrinoviridis</i>		1200	3	
<i>Acacia dictyophleba</i>		160	0.5	
<i>Acacia inaequilatera</i>		30	0.05	
<i>Acacia pruinocarpa</i>		800	1	
<i>Acacia tetragonophylla</i>		50	0.1	
<i>Atalaya hemiglauc</i>		250	0.1	
<i>Boerhavia burbridgeana</i>		5	0.1	
<i>Boerhavia coccinea</i>			0.01	
<i>Cenchrus ciliaris</i>		80	20	
<i>Cenchrus setiger</i>		80	1	
<i>Chrysopogon fallax</i>		150	0.2	
<i>Cleome viscosa</i>		30	0.01	
<i>Corchorus tridens</i>		5	0.05	
<i>Eragrostis eriopoda</i>		30	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>		10	0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>		800	0.5	
<i>Polycarpaea corymbosa</i>		10	0.01	
<i>Salsola australis</i>			0.01	
<i>Sporobolus australasicus</i>			0.01	
<i>Triodia epactia</i>		80	15	



<b>Plot:</b>	C028	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	748-749	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	741633	<b>Outcrop:</b>		
<b>NW Northing:</b>	7498367	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741683	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7498317	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	7
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	10
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>	500	5
<b>Disturbance:</b>	low	<b>Lower</b>	150	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	800	8	
<i>Acacia ?synchronicia</i>	400	2	
<i>Acacia pruinocarpa</i>	700	2	
<i>Acacia tetragonophylla</i>	500	1	
<i>Boerhavia burbidgeana</i>	5	0.01	
<i>Cenchrus ciliaris</i>	80	1	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	5	0.01	
<i>Chrysopogon fallax</i>	150	0.5	
<i>Cleome viscosa</i>	40	0.01	
<i>Corymbia hamersleyana</i>	200	0.1	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Dactyloctenium radulans</i>	10	0.01	
<i>Enneapogon polyphyllus</i>	30	0.05	
<i>Eragrostis setifolia</i>	20	0.05	
<i>Eremophila glabra</i>	30	2	
<i>Eulalia aurea</i>	20	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	30	0.1	
<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.1	
<i>Heliotropium heteranthum</i>	5	0.01	
<i>Indigofera georgei</i>	20	0.01	
<i>Perotis rara</i>	10	0.01	
<i>Polycarpaea corymbosa</i>	5	0.01	
<i>Portulaca pilosa</i>	5	0.01	
<i>Psyrax ?rigidula</i>	150	0.05	
<i>Psyrax latifolia</i>	600	2	
<i>Ptilotus helipteroides</i>		0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	0.5	
<i>Rhagodia eremaea</i>		0.01	
<i>Sclerolaena cornishiana</i>		0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	140	0.5	
<i>Sida platycalyx</i>	5	0.01	
<i>Sporobolus australasicus</i>	15	0.01	
<i>Vachellia farnesiana</i>	50	0.05	





<b>Plot:</b>	C029	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	751-752	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	739413	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499967	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	739463	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499917	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	5	15
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	15
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>	230	15
<b>Disturbance:</b>	medium	<b>Lower</b>	150	5
<b>Condition:</b>	good	<b>Bare ground (%):</b>	80	
<b>Observations</b>	Heavy grazing from cattle. water bore about 400m to east.			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?aneura</i>	230	15		
<i>Acacia ?aneura</i>	800	15		
<i>Acacia ?synchronicia</i>	350	0.5		
<i>Acacia tetragonophylla</i>	300	0.1		
<i>Boerhavia coccinea</i>	5	0.05		
<i>Cenchrus ciliaris</i>	80	0.5		
<i>Chrysopogon fallax</i>	150	0.01		
<i>Cleome viscosa</i>	30	0.01		
<i>Corchorus tridens</i>	5	0.05		
<i>Eragrostis setifolia</i>	30	0.01		
<i>Eremophila glabra</i>	30	0.05		
<i>Eremophila lanceolata</i>		0.01		
<i>Ipomoea muelleri</i>		4		
<i>Maireana villosa</i>	20	0.01		
<i>Portulaca oleracea</i>	5	0.01		
<i>Salsola australis</i>		0.01		
<i>Sclerolaena cornishiana</i>		0.01		
<i>Senna notabilis</i>	20	0.5		
<i>Sida platycalyx</i>	5	0.01		
<i>Solanum lasiophyllum</i>	30	0.1		
<i>Sporobolus australasicus</i>	20	0.01		
<i>Tribulus hirsutus</i>		0.01		



<b>Plot:</b>	C030	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	754-755	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	741608	<b>Outcrop:</b>		
<b>NW Northing:</b>	7499365	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741658	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7499317	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	5	10	15
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	40
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>	500	5
<b>Disturbance:</b>	low	<b>Lower</b>	160	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	30	0.01	
<i>Acacia ?aneura</i>	800	40	
<i>Acacia ?synchronicia</i>	500	2	
<i>Acacia tetragonophylla</i>	400	0.5	
<i>Asteraceae</i> sp.	10	0.01	
<i>Bidens bipinnata</i>	15	0.01	
<i>Blumea tenella</i>	5	0.01	
<i>Boerhavia coccinea</i>		0.01	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Cenchrus ciliaris</i>	80	0.05	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	5	0.01	
<i>Chrysopogon fallax</i>	150	10	
<i>Cleome viscosa</i>	30	0.01	
<i>Corchorus tridens</i>	10	5	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Dactyloctenium radulans</i>	10	0.01	
<i>Enneapogon polyphyllus</i>	20	0.01	
<i>Eragrostis crateriformis</i>	20	0.01	
<i>Eragrostis cumingii</i>	30	0.05	
<i>Eragrostis setifolia</i>	20	0.01	
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	30	0.01	
<i>Eremophila glabra</i>	20	0.05	
<i>Eriachne mucronata</i>	20	0.01	
<i>Eulalia aurea</i>	30	0.01	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>	600	0.5	
<i>Maireana planifolia</i>		0.01	
<i>Maireana villosa</i>	20	0.01	
<i>Polycarpaea corymbosa</i>	5	0.01	
<i>Psyrax latifolia</i>	600	3	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	140	0.1	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	180	0.5	
<i>Senna notabilis</i>	15	0.01	
<i>Sporobolus australasicus</i>	15	0.01	
<i>Stenopetalum nutans</i>	20	0.01	





<b>Plot:</b>	C031	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	759-760	
<b>date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some areas of surface	
<b>NW Easting:</b>	724003	<b>Outcrop:</b>		
<b>NW Northing:</b>	7500377	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	724053	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500327	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		3	7
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>	600	10
<b>Disturbance:</b>	low	<b>Lower</b>	150	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	600	8	
<i>Acacia ?synchronicia</i>	500	1	
<i>Acacia pruinocarpa</i>	600	0.5	
<i>Cenchrus ciliaris</i>	80	0.5	
<i>Cenchrus setiger</i>	80	0.01	
<i>Chrysopogon fallax</i>	150	0.05	
<i>Cleome viscosa</i>	40	0.01	
<i>Eragrostis setifolia</i>	20	0.01	
<i>Eremophila glabra</i>	20	2	
<i>Eulalia aurea</i>	30	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.05	
<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.1	
<i>Maireana villosa</i>	20	0.5	
<i>Perotis rara</i>	10	0.01	
<i>Portulaca oleracea</i>	10	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	80	0.5	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	180	1	
<i>Sida platycalyx</i>	5	0.1	
<i>Sporobolus australasicus</i>	20	0.01	
<i>Triodia epactia</i>	120	0.5	



<b>Plot:</b>	C032	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	762-763	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some areas of surface	
<b>NW Easting:</b>	742383	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501007	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742433	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500957	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	13
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	5
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>	180	2
<b>Disturbance:</b>	medium	<b>Lower</b>	100	30
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	55	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	150	1		
<i>Acacia pruinocarpa</i>	600	1		
<i>Cenchrus ciliaris</i>	60	25		
<i>Chrysopogon fallax</i>	150	0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>	500	4		
<i>Salsola australis</i>	30	0.05		
<i>Senna notabilis</i>	20	0.01		
<i>Triodia epactia</i>	80	5		
<i>Vachellia farnesiana</i>	180	2		





<b>Plot:</b>	C033	<b>Camera</b>	Chris	
<b>Date:</b>	20-Apr	<b>Photo #</b>	765-766	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some areas of surface	
<b>NW Easting:</b>	741565	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501252	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741615	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501202	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	10	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	50
<b>Time since fire (yrs):</b>	<5	<b>Mid</b>		
<b>Disturbance:</b>	medium	<b>Lower</b>	150	35
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	45	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	60	0.05	
<i>Acacia ?aneura</i>	800	48	
<i>Acacia ?aneura</i>	180	0.1	
<i>Acacia tetragonophylla</i>	300	0.1	
<i>Bidens bipinnata</i>	5	0.01	
<i>Blumea tenella</i>	5	0.2	
<i>Cenchrus ciliaris</i>	60	5	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	5	0.01	
<i>Chloris pectinata</i>	20	0.05	
<i>Chrysopogon fallax</i>	150	5	
<i>Cleome viscosa</i>	30	0.01	
<i>Corchorus tridens</i>	10	5	
<i>Cucumis maderaspatanus</i>		0.1	
<i>Dactyloctenium radulans</i>	10	0.01	
<i>Enneapogon polyphyllus</i>	20	0.05	
<i>Eragrostis cumingii</i>	15	0.01	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	5	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.05	
<i>Ipomoea muelleri</i>	5	5	
<i>Malvastrum americanum</i>	20	0.01	
<i>Marsilea hirsuta</i>	5	0.05	
<i>Perotis rara</i>	10	0.01	
<i>Poaceae</i> sp.	15	0.01	
<i>Polycarpaea corymbosa</i>	15	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Portulaca pilosa</i>	10	0.01	
<i>Psydrax latifolia</i>	600	2	
<i>Pterocaulon</i> sp.	10	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.1	
<i>Senna notabilis</i>	20	0.05	
<i>Solanum lasiophyllum</i>	20	0.05	
<i>Spermacoce brachystema</i>	20	0.05	
<i>Sporobolus australasicus</i>	10	0.1	
<i>Streptoglossa</i> sp.	5	0.01	



<b>Plot:</b>	C034	<b>Camera</b>	Chris	
<b>Date:</b>	14-Apr	<b>Photo #</b>	638-639	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	744618	<b>Outcrop:</b>		
<b>NW Northing:</b>	7492141	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744668	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492091	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		5	20
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	700	40
<b>Time since fire (yrs):</b>	5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	130	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	65	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	30	0.5		
<i>Acacia ?aneura</i>	700	30		
<i>Acacia ?synchronicia</i>	300	1		
<i>Acacia ancistrocarpa</i>	200	0.05		
<i>Acacia pruinocarpa</i>	700	5		
<i>Bidens bipinnata</i>	15	0.05		
<i>Blumea tenella</i>	10	0.01		
<i>Boerhavia burbidgeana</i>	5	0.01		
<i>Boerhavia coccinea</i>	5	0.01		
<i>Bulbostylis barbata</i>	5	0.01		
<i>Cenchrus ciliaris</i>	60	0.05		
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	5	0.02		
<i>Chloris pectinata</i>	20	0.01		
<i>Chrysopogon fallax</i>	130	0.01		
<i>Cleome viscosa</i>	30	0.05		
<i>Corchorus tridens</i>	10	0.02		
<i>Corymbia hamersleyana</i>	700	1		
<i>Cucumis maderaspatanus</i>		0.02		
<i>Dactyloctenium radulans</i>	15	0.01		
<i>Digitaria ctenantha</i>	15	0.05		
<i>Duperreya commixta</i>		0.01		
<i>Enneapogon polyphyllus</i>	15	0.01		
<i>Eragrostis cumingii</i>	15	0.1		
<i>Eragrostis setifolia</i>	20	1		
<i>Eremophila forrestii</i>	50	0.05		
<i>Eremophila lanceolata</i>	30	0.05		
<i>Eulalia aurea</i>	50	0.02		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	10	0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.01		
<i>Goodenia nuda</i>	20	0.01		
<i>Ipomoea muelleri</i>	5	0.01		
<i>Iseilema membranaceum</i>	10	0.01		
<i>Maireana planifolia</i>	20	0.01		
<i>Malvastrum americanum</i>	15	0.01		
<i>Marsdenia australis</i>		0.01		



<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Perotis rara</i>	15	0.1	
<i>Polycarpaea corymbosa</i>	10	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Psydrax latifolia</i>	300	0.05	
<i>Pterocaulon sphaeranthoides</i>	5	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.01	
<i>Sclerolaena cornishiana</i>	20	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.05	
<i>Senna notabilis</i>	15	0.05	
<i>Sida platycalyx</i>	5	0.01	
<i>Sida</i> sp. verrucose glands (F.H. Mollemans 2423)	15	0.01	
<i>Solanum lasiophyllum</i>	30	0.01	
<i>Spermacoce brachystema</i>	15	0.01	
<i>Sporobolus australasicus</i>	10	0.1	
<i>Triodia epactia</i>	120	5	





<b>Plot:</b>	C035	<b>Camera</b>	Chris	
<b>Date:</b>	14-Apr	<b>Photo #</b>	633-634	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	744055	<b>Outcrop:</b>		
<b>NW Northing:</b>	7492161	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744105	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492111	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	1
<b>Disturbance:</b>	low	<b>Lower</b>	130	3
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>	Clay pan			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?aneura</i>	200	0.1	
<i>Acacia ?synchronicia</i>	400	1	
<i>Aristida contorta</i>	30	0.1	
<i>Boerhavia coccinea</i>	5	0.1	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Chrysopogon fallax</i>	130	0.05	
<i>Cleome oxalidea</i>	5	0.01	
<i>Cleome viscosa</i>	30	0.02	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.01	
<i>Dactyloctenium radulans</i>	15	0.01	
<i>Dysphania kalpari</i>	10	0.01	
<i>Dysphania rhadinostachya</i>	10	0.01	
<i>Enneapogon polyphyllus</i>	20	0.01	
<i>Eremophila glabra</i>	15	0.01	
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	20	0.02	
<i>Euphorbia australis</i>	1	0.01	
<i>Euphorbia biconvexa</i>	10	0.01	
<i>Goodenia muelleriana</i>	5	0.2	
<i>Heliotropium heteranthum</i>	5	0.01	
<i>Heliotropium inexplicitum</i>	10	0.01	
<i>Indigofera colutea</i>	5	0.01	
<i>Ipomoea muelleri</i>	5	0.01	
<i>Perotis rara</i>	10	0.01	
<i>Portulaca oleracea</i>	5	0.05	
<i>Pterocaulon sphaeranthoides</i>	15	0.01	
<i>Ptilotus aervoides</i>	3	0.01	
<i>Rhynchosia minima</i>		0.01	
<i>Salsola australis</i>	15	0.01	
<i>Sclerolaena cornishiana</i>	15	0.02	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	40	0.05	
<i>Senna notabilis</i>	15	0.01	
<i>Sida platycalyx</i>	5	0.5	
<i>Solanum lasiophyllum</i>	50	0.1	
<i>Sporobolus australasicus</i>	10	0.1	
<i>Streptoglossa</i> sp.	5	0.01	
<i>Tragus australianus</i>	10	0.01	
<i>Tribulus astrocarpus</i>	5	0.01	
<i>Triodia epactia</i>	130	1	





<b>Plot:</b>	C036	<b>Camera</b>	Chris	
<b>Date:</b>	14-Apr	<b>Photo #</b>	630-631	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743466	<b>Outcrop:</b>		
<b>NW Northing:</b>	7492449	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743516	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7492399	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	350	5
<b>Disturbance:</b>	low	<b>Lower</b>	130	60
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	30	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	40	0.01	
<i>Acacia ?aneura</i>	70	0.05	
<i>Acacia ?synchronicia</i>	250	0.01	
<i>Acacia ancistrocarpa</i>	200	0.05	
<i>Acacia citrinoviridis</i>	250	0.05	
<i>Acacia dictyophleba</i>	350	3	
<i>Acacia pachyacra</i>	250	0.5	
<i>Acacia pruinocarpa</i>	300	0.1	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	1	
<i>Aristida contorta</i>	30	0.01	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Cenchrus ciliaris</i>	50	0.05	
<i>Chrysopogon fallax</i>	130	0.05	
<i>Cleome viscosa</i>	30	0.01	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.01	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Dactyloctenium radulans</i>	15	0.01	
<i>Enneapogon polyphyllus</i>	10	0.01	
<i>Eriachne aristidea</i>	20	0.02	
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	15	0.01	
<i>Euphorbia biconvexa</i>	15	0.01	
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	15	0.01	
<i>Gossypium australe</i>	40	0.1	
<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.5	
<i>Indigofera monophylla</i>	20	0.01	
<i>Perotis rara</i>	10	0.01	
<i>Phyllanthus erwinii</i>	15	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Ptilotus helipteroides</i>	15	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	30	0.05	
<i>Ptilotus polystachyus</i>	30	0.01	
<i>Sclerolaena cornishiana</i>	15	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.5	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	120	0.1	
<i>Senna notabilis</i>	15	0.05	
<i>Setaria verticillata</i>	30	0.01	
<i>Sida platycalyx</i>	15	0.05	
<i>Sida platycalyx</i>	15	0.01	
<i>Solanum lasiophyllum</i>	30	0.1	
<i>Sporobolus australasicus</i>	10	0.01	

<i>Streptoglossa</i> sp.	5	0.01	
<i>Triodia epactia</i>	120	58	







<b>Plot:</b>	C037	<b>Camera</b>	Chris	
<b>Date:</b>	14-Apr	<b>Photo #</b>	621-622	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743051	<b>Outcrop:</b>		
<b>NW Northing:</b>	7489754	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743107	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7489704	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		1	4
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	2
<b>Disturbance:</b>	low	<b>Lower</b>	120	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	45	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?synchronicia</i>	300	0.5	
<i>Acacia dictyophleba</i>	300	0.5	
<i>Acacia pruinocarpa</i>	250	0.2	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	1	
<i>Aristida contorta</i>	15	0.01	
<i>Boerhavia coccinea</i>	15	0.05	
<i>Bulbostylis barbata</i>	5	0.05	
<i>Cenchrus ciliaris</i>	30	0.05	
<i>Cleome viscosa</i>	20	0.01	
<i>Corchorus sideoides</i> subsp. <i>sideoides</i>	5	0.1	
<i>Corchorus sideoides</i> subsp. <i>sideoides</i>	15	0.01	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Cullen leucanthum</i>	130	0.01	
<i>Dysphania rhadinostachya</i>		0.01	
<i>Eragrostis eriopoda</i>	30	0.01	
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	30	0.01	
<i>Goodenia microptera</i>	15	0.01	
<i>Gossypium australe</i>		0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.1	
<i>Hibiscus sturtii</i> var. <i>platychlams</i>	30	0.5	
<i>Indigofera linifolia</i>	20	0.01	
<i>Indigofera monophylla</i>		0.01	
<i>Iseilema eremaeum</i>	10	0.01	
<i>Polycarpaea corymbosa</i>	10	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	15	0.01	
<i>Sclerolaena cornishiana</i>	10	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	70	0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	80	0.05	
<i>Senna notabilis</i>	20	0.05	
<i>Sida platycalyx</i>		0.01	
<i>Solanum lasiophyllum</i>	50	0.5	
<i>Stemodia ? grossa</i>		0.01	
<i>Trianthema pilosa</i>	5	0.05	
<i>Tribulus macrocarpus</i>	5	0.01	
<i>Trichodesma zeylanicum</i>		0.01	

<i>Triodia epactia</i>	100	45	
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<b>Plot:</b>	C038	<b>Camera</b>	Chris	
<b>Date:</b>	14-Apr	<b>Photo #</b>	618-619	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	744120	<b>Outcrop:</b>		
<b>NW Northing:</b>	7488277	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744170	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488227	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	1
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	250	10
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	20	0.05		
<i>Abutilon trudgenii</i>	10	0.01		
<i>Acacia ?aneura</i>	600	1		
<i>Acacia ?synchronicia</i>	200	4		
<i>Acacia citrinoviridis</i>	200	0.01		
<i>Acacia inaequilatera</i>	200	0.05		
<i>Acacia pachyacra</i>	200	0.5		
<i>Acacia pruinocarpa</i>	300	4		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	180	0.05		
<i>Aristida contorta</i>	20	0.01		
<i>Bulbostylis barbata</i>	5	0.01		
<i>Cenchrus ciliaris</i>	50	0.2		
<i>Chrysopogon fallax</i>	130	0.1		
<i>Cleome viscosa</i>	40	0.02		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.01		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.01		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Cymbopogon obtectus</i>	130	0.01		
<i>Dactyloctenium radulans</i>	15	0.01		
<i>Dysphania rhadinostachya</i>		0.01		
<i>Enneapogon polyphyllus</i>	20	0.01		
<i>Eremophila longifolia</i>	150	0.5		
<i>Eriachne aristidea</i>		0.01		
<i>Euphorbia australis</i>	10	0.01		
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	10	0.01		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.01		
<i>Goodenia muelleriana</i>	5	0.05		
<i>Gossypium australe</i>	50	0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>	250	0.2		
<i>Iseilema eremaeum</i>	15	0.01		
<i>Portulaca oleracea</i>	5	0.01		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	40	0.01		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.1		
<i>Rhagodia eremaea</i>		0.01		
<i>Rhynchosia minima</i>		0.01		
<i>Sclerolaena cornishiana</i>	15	0.01		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.1		
<i>Senna notabilis</i>	20	0.1		
<i>Sida platycalyx</i>	5	0.05		

<i>Solanum lasiophyllum</i>	40	0.1	
<i>Sporobolus australasicus</i>	15	0.01	
<i>Tephrosia supina</i>	15	0.01	
<i>Tribulus hirsutus</i>	15	0.01	
<i>Triodia epactia</i>	120	47	







<b>Plot:</b>	C039	<b>Camera</b>	Chris	
<b>Date:</b>	14-Apr	<b>Photo #</b>	615-616	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	745214	<b>Outcrop:</b>		
<b>NW Northing:</b>	7485495	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	745264	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485445	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	350	15
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ancistrocarpa</i>	300	4	
<i>Acacia bivenosa</i>	200	0.2	
<i>Acacia inaequilatera</i>	350	10	
<i>Aristida holathera</i>	20	0.01	
<i>Boerhavia coccinea</i>	5	0.01	
<i>Bulbostylis barbata</i>	5	0.2	
<i>Cassyltha capillaris</i>		0.01	
<i>Cleome viscosa</i>	40	0.05	
<i>Corchorus aff walcottii</i>	15	0.01	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.01	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Cymbopogon obtectus</i>	130	0.01	
<i>Dysphania rhadinostachya</i> subsp. <i>inflata</i>	10	0.01	
<i>Eragrostis eriopoda</i>	30	0.5	
<i>Eriachne aristidea</i>	40	0.1	
<i>Euphorbia australis</i>	20	0.01	
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	30	0.01	
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	400	1	
<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.2	
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	30	0.01	
<i>Indigofera monophylla</i>		0.01	
<i>Indigofera monophylla</i>		0.01	
<i>Paraneurachne muelleri</i>	30	2	
<i>Perotis rara</i>	5	0.01	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	100	0.05	
<i>Senna notabilis</i>	15	0.05	
<i>Solanum lasiophyllum</i>	50	0.01	
<i>Solanum sturtianum</i>	40	0.05	
<i>Tephrosia supina</i>	20	0.01	
<i>Trianthema pilosa</i>	5	0.1	
<i>Triodia basedowii</i>	100	20	
<i>Triodia epactia</i>	100	20	
<i>Yakirra australiensis</i>	15	0.01	



<b>Plot:</b>	C040	<b>Camera</b>	Chris	
<b>Date:</b>	14-Apr	<b>Photo #</b>	612-613	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some surface rock	
<b>NW Easting:</b>	746076	<b>Outcrop:</b>		
<b>NW Northing:</b>	7485690	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	746126	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485640	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		5	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	10
<b>Disturbance:</b>	low	<b>Lower</b>	100	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ancistrocarpa</i>	40	0.01		
<i>Acacia bivenosa</i>	200	0.05		
<i>Acacia inaequilatera</i>	200	1		
<i>Acacia pachyacra</i>	200	0.5		
<i>Acacia pruinocarpa</i>	200	0.05		
<i>Aristida holathera</i> var. <i>holathera</i>	20	0.5		
<i>Boerhavia coccinea</i>	5	0.01		
<i>Cleome viscosa</i>	40	0.1		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.01		
<i>Dysphania rhadinostachya</i> subsp. <i>inflata</i>	10	0.05		
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	10	0.01		
<i>Eragrostis eriopoda</i>	30	0.1		
<i>Eremophila longifolia</i>	120	0.2		
<i>Eriachne aristidea</i>		0.01		
<i>Eucalyptus gamophylla</i>	400	8		
<i>Euphorbia australis</i>	10	0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	180	0.5		
<i>Hibiscus sturtii</i> var. <i>platychlams</i>	30	0.2		
<i>Indigofera monophylla</i>	20	0.05		
<i>Paraneurachne muelleri</i>	30	2		
<i>Phyllanthus erwinii</i>	5	0.01		
<i>Portulaca oleracea</i>	5	0.01		
<i>Ptilotus astrolasius</i>	20	0.1		
<i>Ptilotus calostachyus</i>	20	0.05		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.01		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.01		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.01		
<i>Senna notabilis</i>	15	0.05		
<i>Solanum lasiophyllum</i>	40	0.05		
<i>Solanum sturtianum</i>	40	0.01		
<i>Trianthema pilosa</i>	10	0.01		
<i>Tribulus hirsutus</i>	5	0.01		
<i>Tribulus macrocarpus</i>	15	0.001		
<i>Triodia basedowii</i>	100	35		





<b>Plot:</b>	C041	<b>Camera</b>	Chris	
<b>Date:</b>	13-Apr	<b>Photo #</b>	609-610	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	742921	<b>Outcrop:</b>		
<b>NW Northing:</b>	7484818	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742971	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484768	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		5	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	2
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	5
<b>Disturbance:</b>	low	<b>Lower</b>	130	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	30	0.01	
<i>Acacia ?aneura</i>	200	0.05	
<i>Acacia ?dictyophleba</i>	150	0.02	
<i>Acacia ancistrocarpa</i>	140	0.1	
<i>Acacia citrinoviridis</i>	160	0.05	
<i>Acacia dictyophleba</i>	50	0.05	
<i>Acacia inaequilatera</i>	400	4	
<i>Acacia pachyacra</i>	350	1	
<i>Acacia pruinocarpa</i>	140	0.05	
<i>Aristida contorta</i>	20	0.1	
<i>Aristida holathera</i> var. <i>holathera</i>	40	1	
<i>Boerhavia coccinea</i>	5	0.01	
<i>Cenchrus ciliaris</i>	40	0.1	
<i>Cleome viscosa</i>	40	0.1	
<i>Corchorus elachocarpus</i>	20	0.05	
<i>Corchorus elachocarpus</i>	20	0.01	
<i>Corymbia hamersleyana</i>	600	2	
<i>Cucumis maderaspatanus</i>	5	0.01	
<i>Cymbopogon obtectus</i>	120	0.01	
<i>Dysphania rhadinostachya</i>	10	0.01	
<i>Eragrostis eriopoda</i>	30	0.05	
<i>Eriachne aristidea</i>	20	0.05	
<i>Euphorbia biconvexa</i>	15	0.01	
<i>Gossypium robinsonii</i>	160	0.05	
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	180	0.02	
<i>Hakea lorea</i> subsp. <i>lorea</i>	400	0.1	
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	30	0.01	
<i>Paraneurachne muelleri</i>	30	0.5	
<i>Ptilotus helipteroides</i>	40	0.01	
<i>Salsola australis</i>	40	0.01	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.01	
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	40	0.01	
<i>Senna notabilis</i>	20	0.01	
<i>Setaria verticillata</i>	30	0.01	
<i>Tephrosia supina</i>	20	0.01	
<i>Trianthema pilosa</i>	10	0.01	
<i>Tribulus hirsutus</i>	15	0.01	
<i>Tribulus macrocarpus</i>	5	0.01	
<i>Triodia epactia</i>	130	35	



<b>Plot:</b>	C042	<b>Camera</b>	Chris	
<b>Date:</b>	13-Apr	<b>Photo #</b>	604-605	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	rocky loam sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	caluvium slope	
<b>NW Easting:</b>	745560	<b>Outcrop:</b>		
<b>NW Northing:</b>	7483738	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	745610	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7483688	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	lower slope		2	3
<b>Aspect:</b>	east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	>5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	3	<b>Mid</b>	300	15
<b>Disturbance:</b>	low	<b>Lower</b>	150	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia adoxa</i> var. <i>adoxo</i>	15	0.1		
<i>Acacia dictyophleba</i>	20	0.01		
<i>Acacia pachyacra</i>	150	0.2		
<i>Cassyltha capillaris</i>		0.01		
<i>Corchorus elachocarpus</i>	20	0.1		
<i>Dampiera candidans</i>	40	0.5		
<i>Dicrastylis cordifolia</i>	15	0.05		
<i>Dysphania rhadinostachya</i>	20	0.01		
<i>Eragrostis eriopoda</i>	30	1		
<i>Eriachne aristidea</i>	30	0.05		
<i>Fimbristylis depauperata</i>	20	0.01		
<i>Fimbristylis simulans</i>	10	0.01		
<i>Goodenia microptera</i>	20	0.01		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	300	7		
<i>Hakea chordophylla</i>	300	1		
<i>Heliotropium pachyphyllum</i>	15	0.1		
<i>Hybanthus aurantiacus</i>	40	0.01		
<i>Indigofera monophylla</i>	20	0.01		
<i>Mollugo molluginea</i>	15	0.2		
<i>Paraneurachne muelleri</i>	20	0.01		
<i>Petalostylis labicheoides</i>	200	7		
<i>Ptilotus astrolasius</i>	30	0.01		
<i>Ptilotus calostachyus</i>	130	5		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	15	0.01		
<i>Sida cardiophylla</i>	30	0.01		
<i>Trianthema glossostigma</i>	55	0.01		
<i>Triodia basedowii</i>	60	5		
<i>Triodia epactia</i>	70	5		
<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)	50	20		
<i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835)	30	20		





<b>Plot:</b>	C043	<b>Camera</b>	Chris	
<b>Date:</b>	13-Apr	<b>Photo #</b>	601-602	
<b>Date revisit:</b>	Jul-11	<b>camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	744627	<b>Outcrop:</b>		
<b>NW Northing:</b>	7485091	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744677	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7485041	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	8
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	1
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	10
<b>Disturbance:</b>	low	<b>Lower</b>		50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia inaequilatera</i>	400	4	
<i>Acacia pachyacra</i>	300	0.5	
<i>Acacia pruinocarpa</i>	400	0.5	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	4	
<i>Aristida contorta</i>	30	0.05	
<i>Boerhavia coccinea</i>	5	0.05	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Bulbostylis barbata</i>		5	0.01
<i>Cenchrus ciliaris</i>	40	0.5	
<i>Cenchrus setiger</i>		30	0.01
<i>Cenchrus setiger</i>	30	0.01	
<i>Cleome viscosa</i>	30	0.02	
<i>Corymbia hamersleyana</i>	600	0.5	
<i>Dicrastylis cordifolia</i>	20	0.02	
<i>Dicrastylis cordifolia</i>		20	0.02
<i>Eragrostis eriopoda</i>	30	1	
<i>Eriachne aristidea</i>	20	0.01	
<i>Euphorbia biconvexa</i>	10	0.01	
<i>Gossypium australe</i>	30	0.01	
<i>Gossypium australe</i>		30	0.01
<i>Heliotropium cunninghamii</i>	15	0.01	
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>			0.01
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		0.01	
<i>Paraneurachne muelleri</i>	30	0.2	
<i>Ptilotus astrolasius</i>	30	0.05	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	15	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	20	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	80	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>		80	0.01
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	4	
<i>Senna notabilis</i>	15	0.05	
<i>Sida echinocarpa</i>	20	0.02	
<i>Solanum lasiophyllum</i>	30	0.01	
<i>Trianthema pilosa</i>	5	0.05	
<i>Tribulus hirsutus</i>	5	0.01	
<i>Triodia basedowii</i>	80	40	

<i>Triodia schinzii</i>	130	1	
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<b>Plot:</b>	C044	<b>Camera</b>	chris		
<b>Date:</b>	13-Apr	<b>Photo #</b>	598-599		
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn		
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>			
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam sand		
<b>Zone:</b>	50	<b>Soil colour:</b>	brown		
<b>Datum:</b>	GDA	<b>Soil comments:</b>			
<b>NW Easting:</b>	745177	<b>Outcrop:</b>			
<b>NW Northing:</b>	7484898	<b>Outcrop Type:</b>			
<b>SE Easting:</b>	745227	<b>Litter cover (%)</b>			
<b>SE Northing:</b>	7484848	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>	
<b>Topography:</b>	flat		5	5	
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>	
<b>Slope:</b>		<b>Upper</b>	600	2	
<b>Time since fire (yrs):</b>	4	<b>Mid</b>	400	5	
<b>Disturbance:</b>	low	<b>Lower</b>	130	50	
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40		
<b>Observations</b>					

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon leucopetalum</i>	50	0.2	
<i>Acacia ancistrocarpa</i>	40	0.2	
<i>Acacia dictyophleba</i>	30	0.01	
<i>Acacia inaequilatera</i>	400	3	
<i>Acacia inaequilatera</i>	600	2	
<i>Acacia pachyacra</i>	300	0.2	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	110	0.1	
<i>Acacia sericophylla</i>	150	0.01	
<i>Acacia tumida</i> var. <i>pilbarensis</i>	100	0.2	
<i>Aristida contorta</i>	30	0.02	
<i>Aristida holathera</i> var. <i>holathera</i>	40	0.2	
<i>Boerhavia coccinea</i>	5	0.01	
<i>Cenchrus ciliaris</i>	40	0.1	
<i>Cleome viscosa</i>	40	0.01	
<i>Corchorus elachocarpus</i>	20	0.1	
<i>Corchorus elachocarpus</i>	20	0.1	
<i>Corymbia hamersleyana</i>	600	2	
<i>Cucumis maderaspatanus</i>	5	0.01	
<i>Dicrastylis cordifolia</i>	20	0.1	
<i>Dysphania rhadinostachya</i> subsp. <i>inflata</i>	10	0.01	
<i>Eragrostis eriopoda</i>	30	0.1	
<i>Eriachne aristidea</i>	20	0.01	
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	10	0.01	
<i>Eucalyptus gamophylla</i>	250	2	
<i>Euphorbia australis</i>	10	0.01	
<i>Goodenia microptera</i>	20	0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>	300	0.5	
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	20	0.05	
<i>Indigofera monophylla</i>	20	0.01	
<i>Paraneurachne muelleri</i>	30	0.1	
<i>Ptilotus astrolasius</i>	20	0.1	
<i>Ptilotus calostachyus</i>	30	0.01	
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	20	0.1	
<i>Scaevola spinescens</i>	80	0.2	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.1	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	30	0.05	
<i>Senna notabilis</i>	15	0.01	
<i>Sida cardiophylla</i>	40	0.01	
<i>Sida echinocarpa</i>	20	0.01	
<i>Solanum sturtianum</i>	100	0.02	
<i>Trianthema pilosa</i>	10	0.05	
<i>Tribulus occidentalis</i>	10	0.01	
<i>Triodia basedowii</i>	80	30	
<i>Triodia schinzii</i>	130	10	



<b>Plot:</b>	C045	<b>Camera</b>	Chris	
<b>Date:</b>	13-Apr	<b>Photo #</b>	595-596	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	746089	<b>Outcrop:</b>		
<b>NW Northing:</b>	7484427	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	746139	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7484377	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	low plains		5	10
<b>Aspect:</b>	nw	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	>5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	600	10
<b>Disturbance:</b>	low	<b>Lower</b>	150	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon leucopetalum</i>	20	0.01		
<i>Acacia dictyophleba</i>	40	0.1		
<i>Acacia inaequilatera</i>	400	9		
<i>Acacia pachyacra</i>	300	0.5		
<i>Acacia sericophylla</i>	3	0.1		
<i>Aristida holathera</i> var. <i>holathera</i>	50	0.05		
<i>Bonamia rosea</i>	30	1		
<i>Cleome viscosa</i>	40	0.1		
<i>Corchorus elachocarpus</i>	30	0.05		
<i>Corchorus elachocarpus</i>		0.05		
<i>Corymbia hamersleyana</i>	600	0.1		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Dicrastylis cordifolia</i>	30	1		
<i>Eragrostis eriopoda</i>	40	5		
<i>Eriachne aristidea</i>	40	5		
<i>Euphorbia australis</i>	10	0.01		
<i>Hakea chordophylla</i>	400	1		
<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.1		
<i>Paraneurachne muelleri</i>				
<i>Ptilotus polystachyus</i>	20	0.05		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	30	0.2		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	60	0.05		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.05		
<i>Senna notabilis</i>	20	0.05		
<i>Sida cardiophylla</i>	20	0.01		
<i>Trianthema pilosa</i>	10	0.05		
<i>Tribulus macrocarpus</i>	10	0.01		
<i>Triodia schinzii</i>	150	30		





<b>Plot:</b>	C046	<b>Camera</b>	chris	
<b>Date:</b>	1-Apr	<b>Photo #</b>	485-486	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mj ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743536	<b>Outcrop:</b>		
<b>NW Northing:</b>	7488750	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743586	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7488700	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	1	1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	5
<b>Disturbance:</b>	low	<b>Lower</b>	60	35
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	55	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	15	0.05	
<i>Acacia ?aneura</i>	160	0.5	
<i>Acacia ?synchronicia</i>	70	0.1	
<i>Acacia citrinoviridis</i>	160	0.1	
<i>Acacia pruinocarpa</i>	300	1	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	250	0.5	
<i>Aristida contorta</i>	20	0.1	
<i>Boerhavia coccinea</i>	10	0.05	
<i>Cenchrus ciliaris</i>	30	0.01	
<i>Cenchrus setiger</i>	30	0.1	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		0.1	
<i>Chrysopogon fallax</i>	80	1	
<i>Cleome viscosa</i>	20	0.1	
<i>Cucumis maderaspatanus</i>		0.1	
<i>Dactyloctenium radulans</i>	10	0.02	
<i>Dysphania rhadinostachya</i>		0.1	
<i>Enneapogon polyphyllus</i>		0.1	
<i>Eremophila glabra</i>	30	1	
<i>Eremophila lanceolata</i>		0.1	
<i>Eremophila longifolia</i>	180	0.1	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.03	
<i>Goodenia muelleriana</i>		0.1	
<i>Hakea lorea</i> subsp. <i>lorea</i>	280	0.1	
<i>Perotis rara</i>		0.1	
<i>Polycarpaea corymbosa</i>	10	0.01	
<i>Portulaca oleracea</i>	5	0.1	
<i>Portulaca oleracea</i>		0.2	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	20	0.3	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	1	
<i>Rhynchosia minima</i>		0.1	
<i>Salsola australis</i>		0.1	
<i>Sclerolaena cornishiana</i>		0.1	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	30	0.1	
<i>Senna notabilis</i>	15	0.01	
<i>Sida platycalyx</i>		0.1	

<i>Solanum lasiophyllum</i>	20	0.5	
<i>Sporobolus australasicus</i>	15	0.05	
<i>Tribulus suberosus</i>	100	0.1	
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	80	0.02	
<i>Triodia epactia</i>	70	25	







<b>Plot:</b>	C047	<b>Camera</b>	Chris	
<b>Date:</b>	1-Apr	<b>Photo #</b>	489-491	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mj ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some rock	
<b>NW Easting:</b>	743700	<b>Outcrop:</b>		
<b>NW Northing:</b>	7490133	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743750	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7490083	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.2	0.5	0.01
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	450	2
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	200	1
<b>Disturbance:</b>	low	<b>Lower</b>	70	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	90	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon otocarpum</i>	20	0.01	
<i>Acacia ?aneura</i>	400	2	
<i>Acacia dictyophleba</i>	150	0.5	
<i>Acacia pruinocarpa</i>	300	0.2	
<i>Aristida contorta</i>	20	0.1	
<i>Aristida inaequiglumis</i>		0.01	
<i>Boerhavia coccinea</i>	15	0.5	
<i>Bulbostylis barbata</i>	10	0.01	
<i>Cenchrus ciliaris</i>	30	0.02	
<i>Chrysopogon fallax</i>	90	2	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	20	0.05	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Cymbopogon obtectus</i>	30	0.1	
<i>Dactyloctenium radulans</i>	20	0.1	
<i>Dysphania rhadinostachya</i> subsp. <i>inflata</i>		0.01	
<i>Enneapogon polyphyllus</i>	15	0.02	
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	100	0.1	
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	60	0.05	
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>		0.01	
<i>Eulalia aurea</i>	40	0.02	
<i>Euphorbia australis</i>	2	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.01	
<i>Goodenia muelleriana</i>	2	0.05	
<i>Gossypium australe</i>		0.01	
<i>Hakea lorea</i> subsp. <i>lorea</i>	200	0.05	
<i>Heliotropium heteranthum</i>	2	0.01	
<i>Hibiscus burtonii</i>	40	0.1	
<i>Maireana planifolia</i>	20	0.01	
<i>Paraneurachne muelleri</i>	20	0.05	
<i>Paspalidium rarum</i>	20	0.05	
<i>Perotis rara</i>	15	0.05	
<i>Polycarpaea corymbosa</i>		0.01	
<i>Portulaca oleracea</i>	5	0.05	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>		0.01	
<i>Ptilotus helipteroides</i>		0.01	
<i>Salsola australis</i>	30	0.1	
<i>Sclerolaena cornishiana</i>	20	0.1	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.1	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> ? x <i>helmsii</i>	40	0.01	

<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	100	0.1	
<i>Senna notabilis</i>	15	0.01	
<i>Sida echinocarpa</i>	30	0.02	
<i>Sida</i> sp. verrucose glands (F.H. Mollemans 2423)	15	0.05	
<i>Solanum lasiophyllum</i>		0.2	
<i>Sporobolus australasicus</i>	15	0.05	
<i>Tragus australianus</i>	10	0.01	
<i>Triodia epactia</i>	60	2	





<b>Plot:</b>	C048	<b>Camera</b>	Chris	
<b>Date:</b>	1-Apr	<b>Photo #</b>	492-495	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit:</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	looks to get quite wet	
<b>NW Easting:</b>	744306	<b>Outcrop:</b>		
<b>NW Northing:</b>	7490890	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744356	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7490840	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	5	40
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	600	50
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	150	2
<b>Disturbance:</b>	low	<b>Lower</b>	100	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	15	0.05		
<i>Abutilon macrum</i>	15	0.01		
<i>Acacia aneura</i>	600	50		
<i>Anthobolus leptomerioides</i>	200	0.04		
<i>Aristida inaequiglumis</i>	50	0.1		
<i>Bidens bipinnata</i>	15	0.5		
<i>Boerhavia coccinea</i>	10	0.01		
<i>Boerhavia repleta</i>	10	0.05		
<i>Bulbostylis barbata</i>	5	0.1		
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	15	0.5		
<i>Chloris pectinata</i>	15	0.01		
<i>Chrysopogon fallax</i>	120	5		
<i>Cleome viscosa</i>	20	0.1		
<i>Corchorus</i> sp.	15	0.01		
<i>Corchorus tridens</i>	20	0.05		
<i>Cucumis maderaspatanus</i>		0.1		
<i>Cymbopogon obtectus</i>	50	0.05		
<i>Dactyloctenium radulans</i>	15	0.1		
<i>Digitaria ctenantha</i>	5	0.01		
<i>Duperreya commixta</i>		0.05		
<i>Enneapogon polyphyllus</i>	20	0.05		
<i>Eragrostis cumingii</i>	40	0.3		
<i>Eragrostis eriopoda</i>	20	0.05		
<i>Eragrostis tenellula</i>	20	0.01		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	130	1		
<i>Eremophila longifolia</i>	40	0.05		
<i>Euphorbia biconvexa</i>	15	0.01		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.5		
<i>Goodenia microptera</i>	20	0.2		
<i>Goodenia muelleriana</i>	5	0.05		
<i>Heliotropium cunninghamii</i>	10	0.05		
<i>Maireana planifolia</i>	20	0.05		
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	20	0.01		
<i>Perotis rara</i>		0.5		

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Polycarpaea corymbosa</i>	10	0.01	
<i>Portulaca oleracea</i>	5	0.05	
<i>Portulaca pilosa</i>		0.1	
<i>Psyrax latifolia</i>	300	1	
<i>Pterocaulon sphaeranthoides</i>	20	0.05	
<i>Ptilotus fusiformis</i>	20	0.05	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.1	
<i>Sclerolaena cornishiana</i>		0.1	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	25	0.1	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.01	
<i>Senna notabilis</i>	15	0.05	
<i>Sida echinocarpa</i>	15	0.05	
<i>Sida platycalyx</i>	15	0.05	
<i>Sida</i> sp. verrucose glands (F.H. Mollemans 24)	10	0.01	
<i>Solanum lasiophyllum</i>	30	0.01	
<i>Spermacoce brachystema</i>		0.5	
<i>Sporobolus australasicus</i>	15	0.05	
<i>Stenopetalum nutans</i>	10	0.01	
<i>Stenopetalum nutans</i>	15	0.01	







<b>Plot:</b>	C049	<b>Camera</b>	Chris	
<b>Date:</b>	2-Apr	<b>Photo #</b>	496-499	
<b>Date revisit:</b>	N/A	<b>camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	Some intermittent calcrete	
<b>NW Easting:</b>	744443	<b>Outcrop:</b>		
<b>NW Northing:</b>	7513604	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744493	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513547	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	150-400	20
<b>Disturbance:</b>	low	<b>Lower</b>	18384	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	75	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon fraseri</i>	40	0.01		
<i>Acacia ?synchronicia</i>	300	5		
<i>Acacia tetragonophylla</i>	350	2		
<i>Acacia xiphophylla</i>	350	2		
<i>Atriplex amnicola</i>	60	0.05		
<i>Boerhavia burbridgeana</i>	10	0.1		
<i>Cenchrus ciliaris</i>	50	12		
<i>Cleome viscosa</i>	200	1		
<i>Corchorus tridens</i>	15	0.02		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Dactyloctenium radulans</i>	20	0.05		
<i>Dissocarpus paradoxus</i>	20	0.02		
<i>Enchylaena tomentosa</i>	50	0.01		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	50	0.05		
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	150	1		
<i>Melaleuca glomerata</i>	200	1		
<i>Melaleuca xerophila</i>	400	10		
<i>Pluchea ferdinandi-muelleri</i>	70	0.01		
<i>Portulaca oleracea</i>	5	0.05		
<i>Rhagodia eremaea</i>	80	0.01		
<i>Rhyncharrhena linearis</i>		0.01		
<i>Salsola australis</i>	20	0.01		
<i>Scaevola spinescens</i>	90	0.01		
<i>Sclerolaena diacantha</i>	20	0.1		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	0.1		
<i>Solanum lasiophyllum</i>	30	0.01		
<i>Sporobolus australasicus</i>	20	0.1		



<b>Plot:</b>	C050	<b>Camera</b>	chris	
<b>Date:</b>	2-Apr	<b>Photo #</b>	500-503	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	looked to get quite damp	
<b>NW Easting:</b>	744212	<b>Outcrop:</b>		
<b>NW Northing:</b>	7513658	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744262	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513618	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	5	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	100-400	30
<b>Disturbance:</b>	low	<b>Lower</b>	50	20
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	70	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?synchronicia</i>	200	0.1	
<i>Acacia tetragonophylla</i>	400	4	
<i>Acacia xiphophylla</i>	300	1	
<i>Atriplex amnicola</i>	60	0.02	
<i>Atriplex bunburyana</i>	50	0.02	
<i>Bidens bipinnata</i>	20	0.1	
<i>Cenchrus ciliaris</i>	50	3	
<i>Cleome viscosa</i>	20	0.1	
<i>Corchorus tridens</i>	5	5	
<i>Cucumis maderaspatanus</i>		0.1	
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	15	0.05	
<i>Enchylaena tomentosa</i>	40	2	
<i>Enneapogon polyphyllus</i>	20	0.05	
<i>Eragrostis speciosa</i>	20	0.1	
<i>Eremophea spinosa</i>	20	0.1	
<i>Eremophila longifolia</i>	350	4	
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	200	0.5	
<i>Eriachne benthamii</i>	30	0.06	
<i>Iseilema ?vaginiflorum</i>	20	0.1	
<i>Lotus australis</i>	15	0.01	
<i>Malvastrum americanum</i>	20	1	
<i>Melaleuca glomerata</i>	400	7	
<i>Melaleuca xerophila</i>		1	
<i>Perotis rara</i>	10	0.2	
<i>Poaceae</i> sp.	20	1	
<i>Portulaca oleracea</i>	5	1	
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	10	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.05	
<i>Rhagodia eremaea</i>	80	1	
<i>Rhagodia eremaea</i>	50	1	
<i>Santalum lanceolatum</i>	200	0.1	
<i>Scaevola spinescens</i>		1	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	50	1	
<i>Sida fibulifera</i>	15	0.1	
<i>Solanum lasiophyllum</i>	30	0.05	
<i>Sporobolus australasicus</i>	30	1	
<i>Tragus australianus</i>	10	0.01	
Unidentifiable sp.	80	0.1	
<i>Vigna</i> sp. Central (M.E. Trudgen 1626)		0.01	







<b>Plot:</b>	C051	<b>Camera</b>	Chris	
<b>Date:</b>	2-Apr	<b>Photo #</b>	504-506	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743307	<b>Outcrop:</b>		
<b>NW Northing:</b>	7513265	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743357	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7513215	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	5	15
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	500	7
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	15	300
<b>Disturbance:</b>	low	<b>Lower</b>	70	50
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	30	
<b>Observations</b>	lots of buffle grass in low lying channel country			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	250	5		
<i>Acacia aneura</i>	500	7		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	300	1		
<i>Acacia tetragonophylla</i>	300	0.5		
<i>Atriplex amnicola</i>	50	0.1		
<i>Atriplex codonocarpa</i>	15	0.1		
<i>Boerhavia burbridgeana</i>	50	0.01		
<i>Cenchrus ciliaris</i>	70	45		
<i>Cleome viscosa</i>	30	0.01		
<i>Corchorus tridens</i>	10	0.1		
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	250	2		
<i>Maireana pyramidata</i>	40	1		
<i>Melaleuca glomerata</i>	350	5		
<i>Melaleuca xerophila</i>	300	0.5		
<i>Rhagodia eremaea</i>	150	0.05		
<i>Sclerolaena diacantha</i>	20	0.05		
<i>Sclerolaena</i> sp.	30	0.05		
<i>Senna artemisioides</i> ?subsp. <i>oligophylla</i> x	60	0.05		
<i>Triodia epactia</i>	50	0.05		



<b>Plot:</b>	C052	<b>Camera</b>	Chris	
<b>Date:</b>	2-Apr	<b>Photo #</b>	509-511	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	silty clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some wet patches	
<b>NW Easting:</b>	743658	<b>Outcrop:</b>		
<b>NW Northing:</b>	7512778	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743708	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7512728	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	3	5	10
<b>Aspect:</b>		<b>STRATA</b>		
<b>Slope:</b>		<b>Upper</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	1000	15
<b>Disturbance:</b>	low	<b>Lower</b>	300	30
<b>Condition:</b>	y good	<b>Bare ground (%):</b>	150	35
<b>Condition:</b>			50	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	30	0.02	
<i>Acacia ?aneura</i>	1000	12	
<i>Acacia ?synchronicia</i>	300	5	
<i>Acacia tetragonophylla</i>	400	2	
<i>Acacia xiphophylla</i>	400	1	
<i>Atriplex amnicola</i>	50	0.1	
<i>Blumea tenella</i>	10	0.01	
<i>Boerhavia coccinea</i>	10	0.05	
<i>Cenchrus ciliaris</i>	70	15	
<i>Chloris pectinata</i>	20	0.01	
<i>Chrysopogon fallax</i>	170	15	
<i>Cleome viscosa</i>	50	0.5	
<i>Convolvulus ?remotus</i>	5	0.01	
<i>Corchorus tridens</i>	5	0.4	
<i>Cucumis maderaspatanus</i>		0.02	
<i>Cyperus iria</i>	15	0.01	
<i>Eremophila longifolia</i>	200	0.1	
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	300	0.5	
<i>Eriachne benthamii</i>	30	0.1	
<i>Eriachne mucronata</i>	40	0.01	
<i>Fimbristylis microcarya</i>	5	0.01	
<i>Goodenia muelleriana</i>	15	0.01	
<i>Grevillea striata</i>	1000	3	
<i>Ipomoea coptica</i>		0.02	
<i>Malvastrum americanum</i>	10	0.2	
<i>Melaleuca lanceolata</i>	20	0.1	
<i>Melaleuca xerophila</i>	400	20	
<i>Paspalidium basicladum</i>	30	0.01	
<i>Poaceae</i> sp.	30	0.1	
<i>Psyrax latifolia</i>	400	0.1	
<i>Ptilotus gomphrenoides</i>	15	0.02	
<i>Scaevola spinescens</i>	150	1	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	100	0.5	
<i>Solanum lasiophyllum</i>	20	0.1	
<i>Sporobolus australasicus</i>	50	0.5	





<b>Plot:</b>	C053	<b>Camera</b>	Chris	
<b>Date:</b>	3-Apr	<b>Photo #</b>	512-514	
<b>Date revisit:</b>	N/A	<b>Soils</b>	clay loam	
<b>Initials:</b>	mf ch	<b>Camera revisit</b>	N/A	
<b>Initials revisit:</b>	N/A	<b>Photo # revisit</b>		
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	744186	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501867	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744236	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501817	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	5	30
<b>Aspect:</b>		<b>STRATA</b>		
<b>Slope:</b>		<b>Upper</b>	1000	40
<b>Time since fire (yrs):</b>	5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	100	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	15	1	
<i>Acacia ?aneura</i>	1000	38	
<i>Acacia ?synchronicia</i>	100	0.1	
<i>Acacia tetragonophylla</i>	700	1	
<i>Bidens bipinnata</i>	15	1	
<i>Blumea tenella</i>	10	1	
<i>Boerhavia burbridgeana</i>	10	0.02	
<i>Brachyscome</i> sp.	5	0.01	
<i>Cenchrus ciliaris</i>	60	0.5	
<i>Chrysopogon fallax</i>	40	0.5	
<i>Cleome viscosa</i>	30	0.01	
<i>Convolvulus ?remotus</i>		0.02	
<i>Convolvulus ?remotus</i>		0.02	
<i>Corchorus tridens</i>	5	0.05	
<i>Cucumis maderaspatanus</i>		0.05	
<i>Dysphania rhadinostachya</i>	10	0.01	
<i>Eriachne mucronata</i>	20	0.01	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.1	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.02	
<i>Ipomoea muelleri</i>		0.05	
<i>Malvastrum americanum</i>	15	0.05	
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	30	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Psydrax latifolia</i>	800	1	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	50	0.02	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	40	0.02	
<i>Senna notabilis</i>	10	0.01	
<i>Sida platycalyx</i>	10	0.01	
<i>Spermacoce brachystema</i>	15	0.05	
<i>Sporobolus australasicus</i>	10	0.01	



<b>Plot:</b>	C054	<b>Camera</b>	Chris	
<b>Date:</b>	3-Apr	<b>Photo #</b>	516-517	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	loamy gravel	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743066	<b>Outcrop:</b>		
<b>NW Northing:</b>	7502224	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743116	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502174	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>			1	1
<b>Aspect:</b>	flat	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	150-400	7
<b>Disturbance:</b>	low	<b>Lower</b>	25842	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon otocarpum</i>	20	0.01	
<i>Acacia ?aneura</i>	400	4	
<i>Acacia ?synchronicia</i>		3	
<i>Acacia xiphophylla</i>	150	0.05	
<i>Aristida contorta</i>	20	0.01	
<i>Boerhavia coccinea</i>	10	0.05	
<i>Cenchrus ciliaris</i>	20	0.02	
<i>Cleome viscosa</i>	40	0.5	
<i>Corchorus tridens</i>	10	0.02	
<i>Enchylaena tomentosa</i>	30	0.01	
<i>Enneapogon polyphyllus</i>	20	0.02	
<i>Eragrostis setifolia</i>	40	0.1	
<i>Eragrostis setifolia</i>	20	0.1	
<i>Euphorbia australis</i>	5	0.01	
<i>Euphorbia biconvexa</i>	10	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.01	
<i>Goodenia muelleriana</i>	5	0.1	
<i>Heliotropium heteranthum</i>	5	0.01	
<i>Portulaca oleracea</i>	10	0.02	
<i>Ptilotus aervoides</i>	5	0.01	
<i>Rhagodia eremaea</i>	30	0.01	
<i>Salsola australis</i>	30	2	
<i>Sclerolaena cornishiana</i>	15	0.1	
<i>Senna notabilis</i>			
<i>Sida fibulifera</i>	10	0.01	
<i>Sida platycalyx</i>	5	0.01	
<i>Solanum lasiophyllum</i>	30	0.5	
<i>Sporobolus australasicus</i>	15	0.02	
<i>Tragus australianus</i>	10	0.01	





<b>Plot:</b>	C055	<b>Camera</b>	Chris	
<b>Date:</b>	3-Apr	<b>Photo #</b>	519-520	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	loamy clay gravel	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743953	<b>Outcrop:</b>		
<b>NW Northing:</b>	7503567	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744003	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7503517	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	0.5	0.5	0.5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	200-1200	40
<b>Time since fire (yrs):</b>	40824	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	50	4
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	95	
<b>Observations</b>	heavily grazed by cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	20	0.01		
<i>Acacia ?aneura</i>	1000	39		
<i>Acacia ?synchronicia</i>	300	0.5		
<i>Acacia tetragonophylla</i>	150	0.1		
<i>Cenchrus ciliaris</i>	40	1		
<i>Cleome viscosa</i>	40	0.05		
<i>Corchorus tridens</i>	10	0.1		
<i>Cucumis maderaspatanus</i>		0.05		
<i>Eragrostis setifolia</i>	20	1		
<i>Iseilema membranaceum</i>	20	0.01		
<i>Operculina aequisepala</i>		0.01		
<i>Psydrax latifolia</i>	300	0.5		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	30	0.05		
<i>Senna notabilis</i>	20	0.1		
<i>Sporobolus australasicus</i>	20	0.5		



<b>Plot:</b>	C056	<b>Camera</b>	Chris	
<b>Date:</b>	3-Apr	<b>Photo #</b>	522-523	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	loam clay gravel	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	evidence of sheet water	
<b>NW Easting:</b>	743756	<b>Outcrop:</b>		
<b>NW Northing:</b>	7505194	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743806	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505144	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>		0.5	2	2
<b>Aspect:</b>	flat	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	200-1000	20
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	160	6
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	90	
<b>Observations</b>	Heavily grazed by cattle			
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>		15	0.01	
<i>Acacia ?aneura</i>		1000	20	
<i>Acacia ?synchronicia</i>		300	5	
<i>Acacia tetragonophylla</i>		300	0.1	
<i>Acacia xiphophylla</i>		400	0.01	
<i>Boerhavia coccinea</i>		10	0.01	
<i>Cenchrus ciliaris</i>		50	2	
<i>Chrysopogon fallax</i>		70	2	
<i>Cleome viscosa</i>		30	0.05	
<i>Corchorus tridens</i>		15	0.1	
<i>Enchylaena tomentosa</i>		20	0.01	
<i>Eragrostis setifolia</i>		30	1	
<i>Eriachne mucronata</i>		20	0.5	
<i>Maireana planifolia</i>		30	0.01	
<i>Poaceae</i> sp.		20	0.01	
<i>Psydrax latifolia</i>		300	0.1	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>		40	0.02	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		200	0.05	
<i>Sporobolus australasicus</i>		15	0.05	





<b>Plot:</b>	C057	<b>Camera</b>	Chris	
<b>Date:</b>	3-Apr	<b>Photo #</b>	525-526	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743667	<b>Outcrop:</b>		
<b>NW Northing:</b>	7507419	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743717	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7507369	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	lower slope		3	7
<b>Aspect:</b>	se	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	>5	<b>Upper</b>	1000	5
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	5
<b>Disturbance:</b>	low	<b>Lower</b>	80	70
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	20	
<b>Observations</b>	heavily grazed by cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?aneura</i>	800	1		
<i>Acacia ?synchronicia</i>	300	0.5		
<i>Acacia tetragonophylla</i>	300	1		
<i>Alternanthera nodiflora</i>	15	0.01		
<i>Bidens bipinnata</i>	20	0.05		
<i>Blumea tenella</i>	20	2		
<i>Cenchrus ciliaris</i>	70	5		
<i>Centipeda minima</i> subsp. <i>macrocephala</i>	5	0.02		
<i>Chrysopogon fallax</i>	70	0.01		
<i>Cleome viscosa</i>	40	0.01		
<i>Corchorus tridens</i>	15	3		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Cyperus iria</i>	10	0.02		
<i>Eragrostis tenellula</i>	15	0.1		
<i>Eremophila longifolia</i>	200	0.05		
<i>Eriachne benthamii</i>	40	40		
<i>Eucalyptus victrix</i>	1000	4		
<i>Eulalia aurea</i>	30	0.1		
<i>Euphorbia australis</i>	2	0.01		
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	15	0.01		
<i>Fimbristylis microcarya</i>	10	0.2		
<i>Ipomoea muelleri</i>		0.5		
<i>Lotus australis</i>	10	0.1		
<i>Malvastrum americanum</i>	15	1		
<i>Mimulus gracilis</i>	25	2		
<i>Neptunia dimorphantha</i>	10	0.01		
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	40	0.01		
<i>Operculina aequisejala</i>		0.01		
<i>Psyrax latifolia</i>	400	0.1		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.1		
<i>Rhagodia eremaea</i>	40	0.01		
<i>Senna notabilis</i>	20	0.01		
<i>Solanum lasiophyllum</i>	40	0.01		
<i>Sporobolus australasicus</i>	15	0.1		
<i>Vachellia farnesiana</i>	300	4		



<b>Plot:</b>	C058	<b>Camera</b>	Chris	
<b>Date:</b>	4-Apr	<b>Photo #</b>	528-529	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743148	<b>Outcrop:</b>		
<b>NW Northing:</b>	7508913	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743198	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7508863	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		5	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	60	50
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	35	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?aneura</i>	300	0.1		
<i>Acacia ?synchronicia</i>	300	5		
<i>Atriplex amnicola</i>	60	0.1		
<i>Boerhavia coccinea</i>	5	0.02		
<i>Cenchrus ciliaris</i>	60	40		
<i>Cleome viscosa</i>	30	0.2		
<i>Corchorus tridens</i>	15	0.5		
<i>Eragrostis setifolia</i>	15	2		
<i>Euphorbia australis</i>	2	0.01		
<i>Goodenia muelleriana</i>	5	0.05		
<i>Operculina aequisejala</i>	10	0.01		
<i>Portulaca oleracea</i>	5	0.1		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.5		
<i>Salsola australis</i>	30	0.1		
<i>Sclerolaena ?deserticola</i>	15	0.2		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	15	0.01		
<i>Sida fibulifera</i>	5	0.01		
<i>Solanum lasiophyllum</i>	40	0.1		
<i>Sporobolus australasicus</i>	15	2		
<i>Trianthema triquetra</i>	5	0.1		
<i>Vachellia farnesiana</i>	180	0.2		







<b>Plot:</b>	C059	<b>Camera</b>	Chris	
<b>Date:</b>	4-Apr	<b>Photo #</b>	531-532	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	gravelly surface rock	
<b>NW Easting:</b>	743550	<b>Outcrop:</b>		
<b>NW Northing:</b>	7509641	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743600	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7509591	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	350	5
<b>Disturbance:</b>	low	<b>Lower</b>	30	5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	90	
<b>Observations</b>	Gravel plain			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia ?synchronicia</i>	250	0.5	
<i>Acacia tetragonophylla</i>	70	0.1	
<i>Acacia xiphophylla</i>	30	4	
<i>Atriplex amnicola</i>	770	0.1	
<i>Boerhavia coccinea</i>	10	0.01	
<i>Boerhavia coccinea</i>	10	0.01	
<i>Cenchrus ciliaris</i>	60	0.5	
<i>Cleome viscosa</i>	15	0.05	
<i>Dactyloctenium radulans</i>	15	0.05	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.05	
<i>Goodenia muelleriana</i>	5	0.01	
<i>Heliotropium heteranthum</i>	5	0.01	
<i>Lepidium pholidogynum</i>	5	0.05	
<i>Portulaca oleracea</i>	5	0.01	
<i>Salsola australis</i>	15	1	
<i>Sclerolaena ?deserticola</i>	10	0.05	
<i>Sclerolaena cuneata</i>	5	2	
<i>Sporobolus australasicus</i>	15	0.05	
<i>Trianthema triquetra</i>	5	1	
<i>Tribulus astrocarpus</i>	10	0.05	



<b>Plot:</b>	C060	<b>Camera</b>	Chris	
<b>Date:</b>	4-Apr	<b>Photo #</b>	534-535	
<b>Date revisit:</b>	N/A	<b>Camera revisit</b>	N/A	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	N/A	<b>Soils</b>	loam clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	744423	<b>Outcrop:</b>		
<b>NW Northing:</b>	7509503	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744473	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7509453	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	10	20
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	60
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	10
<b>Disturbance:</b>	low	<b>Lower</b>	100	50
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	20	
<b>Observations</b>	heavily grazed by cattle			
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>		30	0.05	
<i>Acacia ?aneura</i>		1000	60	
<i>Acacia ?synchronicia</i>		300	3	
<i>Acacia tetragonophylla</i>		400	6	
<i>Bidens bipinnata</i>		30	1	
<i>Blumea tenella</i>		20	2	
<i>Cenchrus ciliaris</i>		70	15	
<i>Centipeda minima</i> subsp. <i>macrocephala</i>		10	0.01	
<i>Chrysopogon fallax</i>		120	15	
<i>Cleome viscosa</i>		50	0.1	
<i>Corchorus tridens</i>		20	2	
<i>Cucumis maderaspatanus</i>			0.5	
<i>Duperreya commixta</i>			0.1	
<i>Eremophila longifolia</i>		400	1	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		30	0.01	
<i>Fimbristylis microcarya</i>		10	0.05	
<i>Ipomoea optica</i>			0.05	
<i>Ipomoea muelleri</i>		15	0.05	
<i>Malvastrum americanum</i>		20	1	
<i>Psydrax latifolia</i>		500	1	
<i>Ptilotus gomphrenoides</i>		15	0.01	
<i>Rostellularia adscendens</i> var. <i>clementii</i>		20	0.05	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>		200	0.1	
<i>Spermacoce brachystema</i>		20	0.01	
<i>Vachellia farnesiana</i>		200	0.1	





<b>Plot:</b>	C061	<b>Camera</b>	Chris	
<b>Date:</b>	4-Apr	<b>Photo #</b>	537-538	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	743898	<b>Outcrop:</b>		
<b>NW Northing:</b>	7489150	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	743948	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7489100	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	4	6
<b>Aspect:</b>		<b>STRATA</b>		
<b>Slope:</b>		<b>Upper</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Time since fire (yrs):</b>	5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	100	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	15	0.01	
<i>Acacia ?aneura</i>	800	35	
<i>Bidens bipinnata</i>	30	0.01	
<i>Boerhavia burbridgeana</i>	5	0.01	
<i>Boerhavia coccinea</i>	5	0.01	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Cenchrus ciliaris</i>	60	1	
<i>Cenchrus setiger</i>	30	0.01	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	15	0.1	
<i>Chloris pectinata</i>	15	0.1	
<i>Chrysopogon fallax</i>	120	1	
<i>Cleome viscosa</i>	40	0.01	
<i>Corchorus tridens</i>	15	0.05	
<i>Cucumis maderaspatanus</i>		0.01	
<i>Dactyloctenium radulans</i>	15	0.05	
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	15	0.2	
<i>Enchylaena tomentosa</i>	30	0.01	
<i>Enneapogon polyphyllus</i>	20	0.02	
<i>Enteropogon ramosus</i>	20	0.01	
<i>Eragrostis cumingii</i>	15	0.1	
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	140	0.1	
<i>Eremophila glabra</i>	15	0.1	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>			
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.01	
<i>Iseilema membranaceum</i>	5	0.01	
<i>Maireana planifolia</i>	30	0.2	
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	20	0.01	
<i>Perotis rara</i>	10	0.1	
<i>Polycarpaea corymbosa</i>	10	0.1	
<i>Portulaca oleracea</i>	5	0.01	
<i>Portulaca pilosa</i>	5	0.02	
<i>Psyrax latifolia</i>	300	0.1	
<i>Pterocaulon</i> sp.	15	0.05	
<i>Pterocaulon sphaeranthoides</i>	20	0.01	
<i>Ptilotus fusiformis</i>	16	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	60	1	
<i>Sclerolaena cornishiana</i>	15	0.01	
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	60	0.02	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	200	0.02	
<i>Sida platycalyx</i>	10	0.02	
<i>Sida</i> sp. verrucose glands (F.H. Mollemans 2423)			
<i>Spermacoce brachystema</i>	20	0.02	
<i>Sporobolus australasicus</i>	15	0.1	
<i>Tragus australianus</i>	15	0.01	

<i>Triodia epactia</i>	100	2	
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<b>Plot:</b>	C062	<b>Camera</b>	Chris	
<b>Date:</b>	4-Apr	<b>Photo #</b>	540-541	
<b>date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	741107	<b>Outcrop:</b>		
<b>NW Northing:</b>	7490093	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741157	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7490043	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	3
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	3	<b>Mid</b>	300	3
<b>Disturbance:</b>	low	<b>Lower</b>	80	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	55	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia inaequilatera</i>	300	1		
<i>Acacia pachyacra</i>	170	0.2		
<i>Acacia pruinocarpa</i>	300	2		
<i>Aristida holathera</i> var. <i>holathera</i>	20	0.05		
<i>Cenchrus ciliaris</i>	60	1		
<i>Chrysopogon fallax</i>	130	0.5		
<i>Corchorus soides</i> subsp. <i>soides</i>	15	0.01		
<i>Eragrostis eriopoda</i>	30	0.5		
<i>Eremophila longifolia</i>	50	0.05		
<i>Euphorbia australis</i>	15	0.01		
<i>Gossypium australe</i>	30	1		
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	200	0.2		
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		35	0.01	
<i>Mollugo molluginea</i>		0.02		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>		40	0.01	
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	160	0.1		
<i>Senna notabilis</i>	20	0.05		
<i>Solanum lasiophyllum</i>	40	0.5		
<i>Triodia epactia</i>	80	35		



<b>Plot:</b>	C063	<b>Camera</b>	Chris	
<b>Date:</b>	4-Apr	<b>Photo #</b>	543-544	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	741264	<b>Outcrop:</b>		
<b>NW Northing:</b>	7490817	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	741314	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7490767	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	4	6
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	35
<b>Time since fire (yrs):</b>	3	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>		5
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	85	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	15	0.05	
<i>Acacia ?aneura</i>	800	30	
<i>Acacia pruinocarpa</i>	800	5	
<i>Bidens bipinnata</i>	20	0.05	
<i>Boerhavia burbridgeana</i>	5	0.05	
<i>Boerhavia coccinea</i>	5	0.01	
<i>Bulbostylis barbata</i>	5	0.01	
<i>Calotis squamigera</i>	15	0.01	
<i>Cenchrus ciliaris</i>		0.1	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	5	0.01	
<i>Chloris pectinata</i>	20	0.01	
<i>Chrysopogon fallax</i>	120	1	
<i>Cleome viscosa</i>		0.01	
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	15	0.05	
<i>Corchorus tridens</i>	5	0.05	
<i>Cucumis maderaspatanus</i>		0.05	
<i>Dactyloctenium radulans</i>	15	0.01	
<i>Dysphania rhadinostachya</i>	15	0.01	
<i>Enneapogon polyphyllus</i>	20	0.05	
<i>Eragrostis cumingii</i>	30	0.5	
<i>Eragrostis tenellula</i>		0.01	
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	60	0.1	
<i>Eremophila lanceolata</i>	40	0.2	
<i>Eremophila longifolia</i>	150	0.05	
<i>Euphorbia australis</i>	15	0.01	
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>		0.01	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.02	
<i>Goodenia muelleriana</i>	5	0.01	
<i>Maireana planifolia</i>	20	0.01	
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	30	0.01	
<i>Paspalidium rarum</i>	20	0.05	
<i>Perotis rara</i>	15	0.01	
<i>Polycarpaea corymbosa</i>	15	0.02	
<i>Portulaca oleracea</i>	5	0.01	
<i>Portulaca pilosa</i>	5	0.01	
<i>Psydraz latifolia</i>	200	0.1	
<i>Pterocaulon sphaeranthoides</i>	10	0.01	
<i>Ptilotus obovatus</i>		0.01	
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	60	0.1	
<i>Senna notabilis</i>	15	0.05	
<i>Sida platycalyx</i>	5	0.05	
<i>Solanum lasiophyllum</i>	20	0.05	
<i>Sporobolus australasicus</i>	15	0.01	

<i>Triodia epactia</i>	70	1	
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<b>Plot:</b>	C064	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	546-547	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	742681	<b>Outcrop:</b>		
<b>NW Northing:</b>	7493079	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742731	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493029	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	slight slope			5
<b>Aspect:</b>	w	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>	>5	<b>Upper</b>		
<b>Time since fire (yrs):</b>	3	<b>Mid</b>	270	20
<b>Disturbance:</b>	low	<b>Lower</b>	120	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	45	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	200	0.1		
<i>Acacia ancistrocarpa</i>	300	0.1		
<i>Acacia dictyophleba</i>	250	18		
<i>Acacia inaequilatera</i>	300	1		
<i>Acacia pachyacra</i>	80	0.1		
<i>Acacia pruinocarpa</i>	200	0.5		
<i>Atalaya hemiglauca</i>	170	0.1		
<i>Cenchrus ciliaris</i>	60	10		
<i>Cenchrus setiger</i>	40	0.1		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	30	0.02		
<i>Eragrostis eriopoda</i>	30	0.02		
<i>Gossypium australe</i>	40	0.05		
<i>Hakea lorea</i> subsp. <i>lorea</i>	350	0.5		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	15	0.01		
<i>Solanum lasiophyllum</i>	40	0.5		
<i>Stylobasium spathulatum</i>	200	0.1		
<i>Triodia epactia</i>	120	35		





<b>Plot</b>	C065	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	549-550	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	Gravelly loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	creek rocks in channels	
<b>NW Easting:</b>	743155	<b>Outcrop:</b>		
<b>NW Northing:</b>	7492983	<b>Outcrop Type:</b>		
<b>NE Easting:</b>	743176	<b>Litter cover (%)</b>		
<b>NE Northing:</b>	7492974	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>SW Easting:</b>	743101	1	2	3
<b>SW Northing:</b>	7492932	<b>STRATA</b>		
<b>SE Easting:</b>	743125	<b>Upper</b>	900	5
<b>SE Northing:</b>	7492915	<b>Mid</b>	400	10
<b>Topography</b>	Creepline	<b>Lower</b>	130	45
<b>Aspect:</b>	sw	<b>Bare ground (%):</b>	50	
<b>Slope:</b>	5			
<b>Time since fire (yrs):</b>	5			
<b>Disturbance</b>	low			
<b>Condition</b>	excellent			
<b>Observations</b>	Plot size changed to 25m by 75m to survey creepline.			
<b>Species</b>		<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia citrinoviridis</i>		900	5	
<i>Acacia dictyophleba</i>		300	5	
<i>Acacia pyrifolia</i> var. ? <i>morrisonii</i>		250	3	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>		250	2	
<i>Atalaya hemiglauca</i>		300	0.1	
<i>Cenchrus ciliaris</i>		60	40	
<i>Corchorus crozophorifolius</i>		40	1	
<i>Euphorbia australis</i>		2	0.05	
<i>Gossypium australe</i>		50	0.1	
<i>Hakea lorea</i> subsp. <i>lorea</i>		600	0.1	
<i>Indigofera monophylla</i>		40	0.5	
<i>Phyllanthus maderaspatensis</i>		10	0.01	
<i>Phyllanthus maderaspatensis</i>		40	0.01	
<i>Rhynchosia minima</i>			0.01	
<i>Solanum lasiophyllum</i>		40	0.05	
<i>Sporobolus australasicus</i>		10	0.01	
<i>Triodia epactia</i>		120	4	



<b>Plot:</b>	C066	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	552-553	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	surface gravel rock	
<b>NW Easting:</b>	744362	<b>Outcrop:</b>		
<b>NW Northing:</b>	7494039	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	744412	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7493989	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat			1
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	130	1
<b>Disturbance:</b>	low	<b>Lower</b>	30	1
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	98	
<b>Observations</b>	Open clay pan			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?aneura</i>	130	0.8		
<i>Acacia ?synchronicia</i>	80	0.2		
<i>Boerhavia burbridgeana</i>	5	0.01		
<i>Cleome oxalidea</i>	5	0.01		
<i>Cleome viscosa</i>	20	0.05		
<i>Dactyloctenium radulans</i>	15	0.05		
<i>Dysphania kalpari</i>	15	0.01		
<i>Enneapogon polyphyllus</i>	15	0.05		
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	10	0.01		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.05		
<i>Goodenia muelleriana</i>	5	0.1		
<i>Heliotropium heteranthum</i>	5	0.01		
<i>Ipomoea muelleri</i>	10	0.01		
<i>Josephinia eugeniae</i>	5	0.01		
<i>Portulaca oleracea</i>	5	0.05		
<i>Ptilotus aervoides</i>	3	0.01		
<i>Ptilotus helipteroides</i>	10	0.01		
<i>Sclerolaena cornishiana</i>	20	0.01		
<i>Senna notabilis</i>	10	0.05		
<i>Sida platycalyx</i>	5	0.2		
<i>Sporobolus australasicus</i>	15	0.01		
<i>Triodia epactia</i>	120	0.5		





<b>Plot:</b>	C067	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	559-560	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	742220	<b>Outcrop:</b>		
<b>NW Northing:</b>	7494650	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	742270	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7494600	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	2	5	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	40
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	500	5
<b>Disturbance:</b>	low	<b>Lower</b>	120	30
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	53	
<b>Observations</b>	mildly grazed by cattle			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Abutilon lepidum</i>	20	0.01		
<i>Abutilon macrum</i>	15	0.05		
<i>Acacia ?aneura</i>	1000	40		
<i>Acacia ?synchronicia</i>	300	1		
<i>Acacia inaequilatera</i>	300	0.5		
<i>Acacia tetragonophylla</i>	300	0.1		
<i>Bidens bipinnata</i>	20	0.01		
<i>Blumea tenella</i>	15	0.05		
<i>Boerhavia burbridgeana</i>	5	0.01		
<i>Boerhavia coccinea</i>	5	0.01		
<i>Bulbostylis barbata</i>	5	0.1		
<i>Cenchrus ciliaris</i>	40	0.01		
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	10	0.01		
<i>Chloris pectinata</i>	20	0.05		
<i>Chrysopogon fallax</i>	120	5		
<i>Cleome viscosa</i>	30	0.05		
<i>Corchorus tridens</i>	5	0.1		
<i>Cucumis maderaspatanus</i>		0.05		
<i>Dactyloctenium radulans</i>	15	0.05		
<i>Digitaria ctenantha</i>	20	0.05		
<i>Dysphania rhadinostachya</i>	15	0.01		
<i>Enneapogon polyphyllus</i>	25	0.01		
<i>Eragrostis crateriformis</i>	20	0.01		
<i>Eragrostis cumingii</i>	30	1		
<i>Eragrostis setifolia</i>	20	0.05		
<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>	80	1		
<i>Eremophila longifolia</i>	250	0.1		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.01		
<i>Fimbristylis depauperata</i>	10	1		
<i>Ipomoea muelleri</i>		0.5		
<i>Iseilema membranaceum</i>	5	0.05		
<i>Maireana planifolia</i>	30	0.05		
<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>	30	0.1		
<i>Paspalidium rarum</i>	20	0.05		
<i>Perotis rara</i>	20	1		
<i>Poaceae</i> sp. 1	45	15		
<i>Polycarpaea corymbosa</i>	20	0.05		
<i>Portulaca pilosa</i>	20	0.01		
<i>Psydrax latifolia</i>	800	3		
<i>Pterocaulon</i> sp.	30	0.1		
<i>Pterocaulon sphaeranthoides</i>	30	0.1		
<i>Senna notabilis</i>	15	0.01		
<i>Sida fibulifera</i>	10	0.01		
<i>Sida platycalyx</i>	5	0.05		
<i>Spermacoce brachystema</i>	15	0.01		
<i>Sporobolus australasicus</i>	15	0.05		
<i>Tephrosia</i> sp.	30	0.01		
<i>Triodia epactia</i>	120	0.2		



<b>Plot:</b>	C068	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	565-566	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam clay	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	731000	<b>Outcrop:</b>		
<b>NW Northing:</b>	7500426	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	731050	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7500376	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		5	5
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	1000	15
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	1
<b>Disturbance:</b>	low	<b>Lower</b>	80	80
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	10	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	300	1		
<i>Acacia ancistrocarpa</i>	300	0.1		
<i>Acacia aptaneura</i>	800	2		
<i>Acacia citrinoviridis</i>	1000	10		
<i>Acacia citrinoviridis</i>				
<i>Acacia dictyophleba</i>	110	0.05		
<i>Acacia inaequilatera</i>	300	0.1		
<i>Acacia pruinocarpa</i>	1000	2		
<i>Cenchrus ciliaris</i>	60	60		
<i>Cenchrus setiger</i>	60	15		
<i>Chrysopogon fallax</i>	120	2		
<i>Cleome viscosa</i>	30	0.05		
<i>Corchorus sp.</i>	155	0.05		
<i>Corchorus tridens</i>	155	0.5		
<i>Cullen leucanthum</i>	160	0.1		
<i>Eulalia aurea</i>	40	1		
<i>Gossypium australe</i>	15	0.01		
<i>Ipomoea muelleri</i>		0.05		
<i>Portulaca oleracea</i>	5	0.01		
<i>Salsola australis</i>	20	0.05		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	20	0.05		
<i>Sporobolus australasicus</i>	30	0.02		





<b>Plot:</b>	C069	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	568-569	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	clay loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	some open clay pans	
<b>NW Easting:</b>	731204	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501403	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	731254	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501353	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		2	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	800	5
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	20
<b>Disturbance:</b>		<b>Lower</b>	80	40
<b>Condition:</b>	low	<b>Bare ground (%):</b>	48	
<b>Observations</b>	very good			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	300	15		
<i>Acacia aptaneura</i>	800	4		
<i>Acacia pruinocarpa</i>	250	0.02		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	250	2		
<i>Aristida holathera</i>	20	0.01		
<i>Atalaya hemiglauca</i>	300	0.1		
<i>Boerhavia coccinea</i>		0.02		
<i>Cenchrus ciliaris</i>	80	35		
<i>Cenchrus setiger</i>	80	5		
<i>Cleome viscosa</i>	30	0.05		
<i>Corchorus tridens</i>	15	0.1		
<i>Corymbia hamersleyana</i>	800	1		
<i>Dysphania rhadinostachya</i>	10	0.01		
<i>Eulalia aurea</i>	50	0.01		
<i>Gossypium australe</i>	40	0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>	400	1		
<i>Portulaca ?cyclophylla</i>	5	0.01		
<i>Salsola australis</i>	30	0.05		
<i>Sclerolaena cornishiana</i>	20	0.01		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	30	0.05		
<i>Senna notabilis</i>	2	0.01		
<i>Vachellia farnesiana</i>	130	0.1		



<b>Plot:</b>	C070	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	571-572	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	730767	<b>Outcrop:</b>		
<b>NW Northing:</b>	7501613	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	730817	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7501563	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat		5	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	900	5
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	300	5
<b>Disturbance:</b>	low	<b>Lower</b>	80	35
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	50	
<b>Observations</b>				
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?synchronicia</i>	300	4		
<i>Acacia aneura</i>	900	3		
<i>Acacia citrinoviridis</i>	400	0.1		
<i>Acacia pruinocarpa</i>	400	0.1		
<i>Atalaya hemiglauca</i>	300	0.1		
<i>Cenchrus ciliaris</i>	80	30		
<i>Cenchrus setiger</i>	80	3		
<i>Chrysopogon fallax</i>	120	0.5		
<i>Cleome viscosa</i>	40	0.05		
<i>Corchorus sidoides</i> subsp. <i>sidoides</i>	25	0.01		
<i>Corchorus tridens</i>	15	0.05		
<i>Corymbia hamersleyana</i>	600	2		
<i>Cucumis maderaspatanus</i>		0.01		
<i>Eulalia aurea</i>	40	1		
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	20	0.01		
<i>Hakea lorea</i> subsp. <i>lorea</i>	500	0.5		
<i>Ipomoea muelleri</i>		0.01		
<i>Rhagodia eremaea</i>	40	0.05		
<i>Salsola australis</i>	10	0.01		
<i>Sclerolaena cornishiana</i>	30	0.02		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	40	0.01		
<i>Sporobolus australasicus</i>	15	0.01		





<b>Plot:</b>	C071	<b>Camera</b>	Chris	
<b>Date:</b>	5-Apr	<b>Photo #</b>	574-575	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	red brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	729735	<b>Outcrop:</b>		
<b>NW Northing:</b>	7502208	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	729785	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7502158	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	flat	1	5	10
<b>Aspect:</b>		<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	100	30
<b>Time since fire (yrs):</b>	5	<b>Mid</b>		
<b>Disturbance:</b>	low	<b>Lower</b>	150	25
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	60	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum</i>	40	0.05	
<i>Acacia ?aneura</i>	1000	20	
<i>Acacia ?synchronicia</i>	70	0.1	
<i>Acacia aneura</i>	500	5	
<i>Acacia citrinoviridis</i>	300	0.1	
<i>Acacia pruinocarpa</i>	600	1	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	150	0.2	
<i>Amaranthus cuspidifolius</i>	20	0.02	
<i>Amyema fitzgeraldii</i>		0.1	
<i>Atalaya hemiglauca</i>	500	0.5	
<i>Boerhavia repleta</i>	5	0.05	
<i>Cenchrus ciliaris</i>	70	20	
<i>Cenchrus setiger</i>	60	5	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	1	0.01	
<i>Chrysopogon fallax</i>	120	2	
<i>Cleome viscosa</i>	30	0.05	
<i>Convolvulus clementii</i>	10	0.01	
<i>Corchorus sideoides</i> subsp. <i>sideoides</i>	30	0.05	
<i>Corchorus tridens</i>	15	0.1	
<i>Corymbia hamersleyana</i>	1000	5	
<i>Cucumis maderaspatanus</i>		0.2	
<i>Eremophila lanceolata</i>	40	0.01	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	16	0.01	
<i>Gomphrena affinis</i> subsp. <i>pilbarensis</i>	15	0.01	
<i>Gossypium robinsonii</i>	130	0.05	
<i>Hakea lorea</i> subsp. <i>lorea</i>	500	0.5	
<i>Ipomoea muelleri</i>		0.1	
<i>Maireana planifolia</i>	30	0.01	
<i>Portulaca oleracea</i>	5	0.01	
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	40	0.05	
<i>Salsola australis</i>	20	0.05	
<i>Senna notabilis</i>	110	0.01	
<i>Solanum lasiophyllum</i>	20	0.01	
<i>Sporobolus australasicus</i>	15	0.01	



<b>Plot:</b>	C072	<b>Camera</b>	Chris	
<b>Date:</b>	6-Apr	<b>Photo #</b>	578-581	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	sand	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	Consolidated sand dune	
<b>NW Easting:</b>	725957	<b>Outcrop:</b>		
<b>NW Northing:</b>	7506405	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	725990	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506350	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	sandune crest		2	10
<b>Aspect:</b>	dune running north west to south east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	200	5
<b>Disturbance:</b>	low	<b>Lower</b>	150	40
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	50	
<b>Observations</b>	consolidated dune system, plot size altered to include only the dune community			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia dictyophleba</i>	30	0.05		
<i>Aristida holathera</i> var. <i>holathera</i>	30	0.05		
<i>Bonamia rosea</i>	16	0.2		
<i>Bonamia rosea</i>	20	0.1		
<i>Cenchrus ciliaris</i>	60	0.5		
<i>Corchorus ?elachocarpus</i>	30	0.5		
<i>Corchorus ?elachocarpus</i>	35	0.5		
<i>Crotalaria cunninghamii</i> subsp. ?	15	0.05		
<i>Eragrostis eriopoda</i>	30	0.1		
<i>Eriachne aristidea</i>	40	0.5		
<i>Eriachne aristidea</i>	40	1		
<i>Hibiscus brachychlaenus</i>	20	0.02		
<i>Paraneurachne muelleri</i>	10	0.1		
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	30	0.01		
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	40	0.05		
<i>Sida</i> sp.	30	0.05		
<i>Stylobasium spathulatum</i>	200	5		
<i>Trianthes pilosa</i>	5	0.2		
<i>Triodia schinzii</i>	150	35		





<b>Plot:</b>	C073	<b>Camera</b>	Chris	
<b>Date:</b>	6-Apr	<b>Photo #</b>	583-584	
<b>Date revisit:</b>	Jul-11	<b>camera revisit</b>	Bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	sandune	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	consolidated sand dune	
<b>NW Easting:</b>	725712	<b>Outcrop:</b>		
<b>NW Northing:</b>	7506290	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	725752	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506234	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	dune ridge		5	5
<b>Aspect:</b>	dune ridge running north west to south east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	3	<b>Mid</b>	250	1
<b>Disturbance:</b>	low	<b>Lower</b>	150	10
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	80	
<b>Observations</b>				

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Acacia dictyophleba</i>	30	0.01	
<i>Aristida holathera</i> var. <i>holathera</i>	50	0.1	
<i>Bonamia rosea</i>	20	0.3	
<i>Cenchrus ciliaris</i>	40	0.1	
<i>Corchorus ?elachocarpus</i>	40	1	
<i>Corchorus ?elachocarpus</i>	40	1	
<i>Crotalaria cunninghamii</i>	120	0.5	
<i>Crotalaria cunninghamii</i>	30	0.5	
<i>Eragrostis eriopoda</i>	30	0.01	
<i>Eriachne aristidea</i>	40	0.05	
<i>Eriachne aristidea</i>	40	0.05	
<i>Hakea lorea</i> subsp. <i>lorea</i>	250	1	
<i>Hibiscus leptocladus</i>		0.053	
<i>Indigofera monophylla</i>	40	0.1	
<i>Petalostylis cassioides</i>	120	2	
<i>Ptilotus polystachyus</i>	70	0.02	
<i>Senna notabilis</i>	10	0.06	
<i>Sida cardiophylla</i>	100	1	
<i>Sida cardiophylla</i>	100	1	
<i>Stylobasium spathulatum</i>	120	2	
<i>Trianthema pilosa</i>	5	0.3	
<i>Triodia basedowii</i>	80	2	
<i>Triodia schinzii</i>	140	0.1	



<b>Plot:</b>	C074	<b>Camera</b>	Chris	
<b>Date:</b>	6-Apr	<b>Photo #</b>	586-587	
<b>Date revisit:</b>	Jul-11	<b>Camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	Sand dune	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>	consolidated sand dune	
<b>NW Easting:</b>	725962	<b>Outcrop:</b>		
<b>NW Northing:</b>	7506025	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726007	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7505974	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	dune ridge		2	10
<b>Aspect:</b>	dune ridge running north west to south east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>		
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	350	5
<b>Disturbance:</b>	low	<b>Lower</b>	120	40
<b>Condition:</b>	very good	<b>Bare ground (%):</b>	50	
<b>Observations</b>	Some cattle grazing			

<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>
<i>Abutilon lepidum sensl.</i>	110	0.01	
<i>Abutilon otocarpum</i>	30	0.02	
<i>Acacia ?synchronicia</i>	250	0.5	
<i>Acacia dictyophleba</i>	20	0.05	
<i>Acacia pachyacra</i>	300	2	
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	180	0.5	
<i>Aristida holathera</i> var. <i>holathera</i>	70	10	
<i>Bonamia rosea</i>	30	0.5	
<i>Cenchrus ciliaris</i>	60	5	
<i>Cleome viscosa</i>	20	0.01	
<i>Corchorus ?elachocarpus</i>	20	5	
<i>Corchorus</i> sp.	20	5	
<i>Eragrostis eriopoda</i>	30	1	
<i>Eriachne aristidea</i>	40	0.1	
<i>Eriachne aristidea</i>	30	0.5	
<i>Hakea lorea</i> subsp. <i>lorea</i>	5	0.5	
<i>Hibiscus brachychlaenus</i>	50	0.02	
<i>Hibiscus brachychlaenus</i>	30	2	
<i>Indigofera monophylla</i>	20	0.02	
<i>Ipomoea muelleri</i>	10	0.02	
<i>Paractaenum refractum</i>	30	0.01	
<i>Petalostylis cassioides</i>	50	0.05	
<i>Ptilotus fusiformis</i>	30	0.01	
<i>Ptilotus polystachyus</i>	30	0.02	
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>	20	0.02	
<i>Sida cardiophylla</i>	10	0.1	
<i>Sida cardiophylla</i>	25	0.1	
<i>Solanum lasiophyllum</i>	30	0.01	
<i>Stylobasium spathulatum</i>	250	1	
<i>Trianthema pilosa</i>	5	0.05	
<i>Tribulus hirsutus</i>	5	0.02	
<i>Tribulus macrocarpus</i>	5	0.02	
<i>Tribulus occidentalis</i>	5	0.01	
<i>Triodia basedowii</i>	80	10	
<i>Yakirra australiensis</i>	10	0.01	





<b>Plot:</b>	C075	<b>Camera</b>	Chris	
<b>Date:</b>	6-Apr	<b>Photo #</b>	590-591	
<b>Date revisit:</b>	Jul-11	<b>camera revisit</b>	bronwyn	
<b>Initials:</b>	mf ch	<b>Photo # revisit</b>		
<b>Initials revisit:</b>	CH/BN	<b>Soils</b>	sand loam	
<b>Zone:</b>	50	<b>Soil colour:</b>	brown	
<b>Datum:</b>	GDA	<b>Soil comments:</b>		
<b>NW Easting:</b>	726023	<b>Outcrop:</b>		
<b>NW Northing:</b>	7506210	<b>Outcrop Type:</b>		
<b>SE Easting:</b>	726074	<b>Litter cover (%)</b>		
<b>SE Northing:</b>	7506160	<b>Logs</b>	<b>Twigs</b>	<b>Leaves</b>
<b>Topography:</b>	Dune swale		2	10
<b>Aspect:</b>	swale approx 200m wide running north west to south east	<b>STRATA</b>	<b>Ht (cm)</b>	<b>% Cover</b>
<b>Slope:</b>		<b>Upper</b>	500	2
<b>Time since fire (yrs):</b>	5	<b>Mid</b>	400	15
<b>Disturbance:</b>	low	<b>Lower</b>	150	50
<b>Condition:</b>	excellent	<b>Bare ground (%):</b>	40	
<b>Observations</b>	Dune swale			
<b>Species</b>	<b>Height (cm)</b>	<b>% AC</b>	<b>% DC</b>	
<i>Acacia ?aneura</i>	300	0.5		
<i>Acacia ?synchronicia</i>	300	2		
<i>Acacia inaequilatera</i>	400	2		
<i>Acacia pachyacra</i>	200	0.5		
<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>	400	10		
<i>Aristida holathera</i>	25	0.02		
<i>Atalaya hemiglauca</i>	500	1		
<i>Boerhavia coccinea</i>	5	0.2		
<i>Cenchrus ciliaris</i>	70	5		
<i>Chrysopogon fallax</i>	130	0.5		
<i>Cleome viscosa</i>	30	0.05		
<i>Corchorus ?elachocarpus</i>	10	0.01		
<i>Corchorus</i> sp.	10	0.01		
<i>Corymbia hamersleyana</i>	600	1		
<i>Dactyloctenium radulans</i>	5	0.05		
<i>Eragrostis eriopoda</i>	40	0.5		
<i>Eriachne ?mucronata</i>	30	0.5		
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	15	0.01		
<i>Iseilema eremaeum</i>	5	0.05		
<i>Portulaca oleracea</i>	5	0.5		
<i>Ptilotus exaltatus</i> var. <i>exaltatus</i>	50	0.1		
<i>Ptilotus obovatus</i>	20	0.05		
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	50	0.01		
<i>Senna notabilis</i>	10	0.01		
<i>Sporobolus australasicus</i>	5	0.01		
<i>Stylobasium spathulatum</i>	200	0.1		
<i>Triodia basedowii</i>	120	40		



## Appendix C1

Species by Community Type Recorded in  
the Nyidinghu Study Area, 2011

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## Appendix C2

# Details and Photographs of Vegetation Communities

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### Hummock Grasslands on Sand Plains

**ApAiTp** - *Acacia pruinocarpa* and *Acacia citrinoviridis* open woodland over *Acacia inaequilatera*, *Eremophila longifolia* and *Acacia ancistrocarpa* shrubland over *Triodia pungens* hummock grassland

Community ApAiTe was associated with flat sandy loams sometimes with creekline rocks present. The presence of *Eremophila longifolia* and creekline rocks indicates this is a wet community. \**Cenchrus ciliaris* was present only in small abundances between 0.01% and 5% compared to *Triodia pungens* which was commonly above 20%.

Community condition varied between good and very good. ApAiTe was represented in the Project Area by six (6) quadrats.



Plate 1 Photograph of community ApAiTe

**CoAdTs** - *Corymbia opaca* and *Eucalyptus gamophylla* isolated trees over *Acacia dictyophleba*, *Hakea chordophylla* and *Acacia ancistrocarpa* sparse shrubland over *Triodia schinzii*, *Triodia basedowii* and *Triodia pungens* hummock grassland.

Community CoAdTs was recorded on flat sandy loams in the southeast of the Project Area. Additional associated herbaceous species include *Scaevola parvifolia* subsp. *parvifolia*, *Bonamia rosea* and *Dicrastylis cordifolia*. Community condition was excellent.



Plate 2 Photograph of community ChAdTs

**CoAsTb** - *Corymbia opaca*, *Eucalyptus gamophylla* and *Acacia inaequilatera* open woodland over *Acacia sclerosperma* subsp. *sclerosperma*, *Acacia dictyophleba* and *Acacia inaequilatera* over *Triodia basedowii* hummock grassland.

Community CoAsTb was recorded on sandy loam flats and was the dominant community in the west of the Project Area. Variation between the tree species occur with some areas supporting only *Corymbia opaca* and others supporting only *Eucalyptus gamophylla*. Associated understorey species included *\*Cenchrus ciliaris* and *Bonamia rosea*.

Community condition ranged between Good and Very Good, depending on the dominance of *\*Cenchrus ciliaris*.





### Plate 3 Photograph of community CoAsTb

**CoAaTp** - *Corymbia opaca*, *Acaciainaequilatera* and *Eucalyptus gamophylla* open woodland over *Acacia ancistrocarpa*, *Petalostylis labicheoides* and *Grevillea wickhamii* subsp. *hispidula* shrubland over *Triodia pungens* hummock grassland.

Community CoAaTp was recorded on flat sandy loams on the east side of Weeli Wolli creek acting as a buffer between the hill community, ElGwTs and the creekline community, AcAhCc. Additional associated species include *Dicrastylis cordifolia*, *Trianthena pilosa*, *Senna artemisioides* subsp. *oligophylla* and *Senna notabilis*.

Community condition was excellent with no signs of grazing or introduced species.



### Plate 4 Photograph of community CoAdTp

**CoAdTp** - *Corymbia opaca* and *Acacia inaequilatera* open woodland over *Acacia sclerosperma* subsp. *sclerosperma*, *Acacia dictyophleba* and *Acacia pachyacra* sparse shrubland over *Triodia pungens* grassland.

Community CoAdTp was extensive in the Project Area, recorded on flat clay loams to sandy loams. Additional associated species include *Paraneurachne muelleri*, *Solanum lasiophyllum*, *Senna artemisioides* subsp. *oligophylla*, *Corchorus sidoides* subsp. *sidoides* and *\*Cenchrus ciliaris*.

Community condition ranged between poor, where *\*Cenchrus ciliaris* was dominating the understorey strata, to very good. A fire scar was evident towards the southeast of the Project Area. Quadrats in the fire scar had the following observations:

- increased numbers of grasses including *Aristida contorta* and *Eragrostis eriopoda*;
- thicker herbaceous layer present including *Senna* spp., *Euphorbia* spp., and *Goodenia* spp.;
- shrub species more diverse; and
- most trees were unidentifiable due to recent fire, only juvenile epicormic growth was present.



Plate 5 Photograph of community CoAdTp

### Fortescue Valley Sand Dune Vegetation

**SsTs** - *Stylobasium spathulatum* and *Acacia dictyophleba* sparse shrubland over *Triodia schinzii* and *Triodia basedowii* hummock grassland.

Community SsTs represents the Fortescue Valley Sand Dune community (PEC P3) in the west of the Project Area. The sand dunes were characterised by brown sand, with sand dunes running in parallel lines to each other. The community lacked a tree strata and the shrub strata was present in low abundance (<6 %). Additional associated species included *Corchorus ?elachocarpus*, *Eragrostis eriopoda*, *Trianthema pilosa*, *Aristida holathera* var. *holathera*, *\*Cenchrus ciliaris*, and *Bonamia rosea*.

Community condition was generally good, with some evidence of cattle disturbance.





### Plate 6 Photograph of community SsTs

#### Acacia woodlands in Flowlines

**AcAhCc** - *Acacia citrinoviridis* and *Acacia pruinocarpa* open woodland over *Atalaya hemiglauca* and *Hakea lorea* subsp. *lorea* isolated shrubland over *\*Cenchrus ciliaris* tussock grassland.

Community AcAhCc occurs on the edges of the EvAhCc community surrounding creek lines. Additional associated species include *Triodia pungens*, *\*Portulaca oleracea*, *Boerhavia coccinea* and *Cucumis maderaspatanus*. The high abundance of introduced species is likely to be caused by cattle.

Community condition varied between poor to good.



### Plate 7 Photograph of community AcAhCc

**ApAdCc** - *Acacia pruinocarpa*, *Corymbia hamersleyana* and *Acacia citrinoviridis* open woodland over *Acacia dictyophleba*, *Hakea lorea* subsp. *lorea* and *Acacia synchronicia* sparse shrubland over *\*Cenchrus ciliaris* and *\*Cenchrus setiger* tussock grassland

Community ApAdCc occurs on flat to slightly undulating sandy loam to clay loam soils. This community was observed between wetter areas including flowlines and major creeklines, and the sandy flat communities. The community varied in dominance of understorey species depending on adjacent communities with *Cenchrus* tussock grasslands dwindling in areas where *Triodia pungens* hummock grasslands continued to dominate.

Community condition varied between poor to good due to the presence of cattle and dominance of *\*Cenchrus* species.



**Plate 8 Photograph of community ApAdCc**

**AtSaTp** - *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* subsp. *hispidula* and *Gossypium robinsonii* open mallee shrubland over *Senna artemisioides* subsp. *oligophylla* and *Acacia adoxa* var. *adoxo* sparse heath shrubland over *Triodia pungens* hummock grassland.

Community AtSaTe was observed along minor creek lines flowing from hills on rocky loamy soils. The tree strata was very low (3-4 metres) and very dense in some areas. This community was often sparsely vegetated with foliage cover similar to that observed on the rocky hills. This is likely due to the lack of minerals available in the soil

Community condition ranged between very good and excellent, with most common introduced species of the Project Area being largely absent.



**Plate 9 Photograph of community AtSaTe**



### Major Creekline Vegetation

**EvAhCc** - *Eucalyptus victrix*, *Acaciacitrinovidis* and *Acacia pruinocarpa* open woodland over *Atalayahemiglauca* and *Hakea lorea* subsp. *lorea* isolated shrubland over *\*Cenchrus ciliaris* and *\*Cenchrus setiger* tussock grassland.

Community EvAhCc was observed along the Weeli Wolli creek system and other major creek lines on sandy loam soils. Obvious signs of cattle were observed throughout this community and *\*Cenchrus ciliaris* was a common dominant grass species that has likely resulted in the exclusion of the herbaceous layer. *Acacia pyrifolia* var. *pyrifolia* occurred sporadically throughout the community.

Community condition varied between poor and good.



Plate 10 Photograph of community EvAhCc

### Hummock Grasslands on Rocky Hills

**EIGwTs** - *Eucalyptus leucophloia* subsp. *leucophloia* open woodland over *Grevillea wickhamii* subsp. *hispidula* and *Acacia bivenosa* sparse shrubland over *Triodia* sp. Shovelanna Hill (S. van Leeuwen 3835) and *Triodia epactia* hummock grassland.

Community EIGwTs occurred on the hills within the Project Area characterised by skeletal soils with sandy loams underneath. Vegetation was sparse with bare ground was often around 50 %. Associated species include *Ptilotus calostachyus* and *Senna glutinosa* subsp. *pruinosa*. The BIF hills were only recorded in the south of the Project Area.

Community condition was generally excellent.



Plate 11 Photograph of community EIGwTs

### Chenopods on Clay / Sandy Clay Plains

**AsCc** - *Acacia synchronicia*, *Atriplex amnicola* and *Maireana pyramidata* chenopod shrubland to open shrubland over *Cenchrus ciliaris* open tussock grassland.

The AsCc community is a shrubland community that occurs on flat red clay-loams and lacks trees. This community was recorded north of the Fortescue Valley Sand Dunes in association with AaAsCc representing a mosaic of chenopod shrublands, bare areas, and Mulga stands. *Cenchrus ciliaris* was the dominant understorey species however there was little over 1 % cover in all quadrats.

Community condition was very good, with little signs of disturbance except for a few introduced species.





Plate 12 Photograph of community AsCc

**AsEp** - *Acacia sclerosperma* subsp. *sclerosperma*, *Acacia xiphophylla* and *Acacia ?synchronicia* open shrubland over *Enneapogon polyphyllus* open grassland.

Community AsEp was recorded in the northern corridor on the edge of the Fortescue marshes and lacked trees. Common associated understorey species included Chenopods *Atriplex sp.* and *Enchylaena tomentosa*. This community was further characterised by occurring on flat areas with small dunes, on red loamy sand.

Community condition was very good, with one quadrat showing signs of cattle disturbance.



Plate 13 Photograph of community AsEp

**MgCc** - *Melaleuca glomerata*, *Acacia tetragonophylla* and *Eremophila youngii* subsp. *lepidota* shrubland over *\*Cenchrus ciliaris* tussock grassland.

Community MgCc occurs in the far north of the Project Area on the edge of the Fortescue Marshes on flat clay loam soils. Common understorey species included *Corchorus tridens* and *Rhagodia eremaea*.

Community condition was generally good, with evidence of cattle and the presence of the aggressive *\*Cenchrus ciliaris*.



Plate 14 Photograph of community MgCc

**MxEy** - *Melaleuca xerophila*, *Acacia synchronicia* and *Eremophila youngii* subsp. *lepidota* shrubland over *Atriplex amnicola* heath shrub.

Community MxEy was recorded in the far north of the Nyidinghu Project in association with MgCc on the edge of the Fortescue Marshes. The community was characterised by islands of shrublands surrounded by bare clay pans. Associated understorey species included *Scaevola spinescens* and *Eriachne benthamii*.

Community condition varied between poor to very good depending on the presence and abundance of *\*Cenchrus ciliaris*.





### Plate 15 Photograph of community MxEy

#### Mulga on Clay / Clay Loam Plains

**AaAsCc**- *Acacia aneura* and *Acacia pruinocarpa* woodland over *Acacia ?synchronicia* shrubland over *\*Cenchrus ciliaris* and *\*Cenchrus setiger* tussock grassland.

AaAsCc was recorded on red-brown flat clay loam soils and was associated with small claypan depressions. In wetter areas in closer proximity to the Fortescue Marsh land system other associated species included Chenopods *Atriplex amnicola*, *Maireana pyramidata* and *Salsola australis*, all in low densities. Heavy grazing has resulted in the dominant presence of *\*Cenchrus species* which has eliminated many of the expected annuals and herbaceous species.

Community condition ranged from poor to good as a result of the presence of aggressive introduced species.



### Plate 16 Photograph of community AaAsCc

**AaAsEs** - *Acacia aneura* open woodland over *Acacia synchronicia* shrubland to open shrubland over *Eragrostis setifolia* sparse grassland

A very sparse community, AaAsEs was characterised by isolated patches of *Acacia aneura* stands on flat clay loamy soils with large areas that are very sparsely vegetated. The community condition ranged from poor to excellent, with some areas showing obvious signs of grazing. Associated understorey species included *Cleome viscosa* and *Solanum lasiophyllum*



Plate 17 Photograph of community AaAsEs

**AaAsTp** - *Acacia aneura*, *Acacia aptaneura* and *Acacia pruinocarpa* woodland to open woodland over *Acacia synchronicia* and *Psydrax latifolia* open shrubland over *Triodia pungens* hummock grasslands.

AaAsTe was associated with hardpan clays and moist depressions and occurred mostly in the northern corridor of the Project Area. In low wet depressions, *Eremophila lanceolata* becomes a more dominant understorey species. \**Portulaca oleracea* were commonly recorded in this community, albeit in low abundance. Additional associated species include *Chrysopogon fallax*, *Sporobolus australasicus*, *Cucumis maderaspatanus*, *Senna notabilis* and *Cleome viscosa*.

The community condition was mostly excellent, with only one quadrat showing obvious signs of disturbance and the presence of \**Cenchrus ciliaris*.





**Plate 18 Photograph of community AaAsTe**

**AaAtCc-** *Acacia aneura* and occasional *Eucalyptus victrix* woodland over *Acacia tetragonophylla*, *\*Vachellia farnesiana* and *Acacia synchronicia* open shrubland over *\*Cenchrus ciliaris* tussock grassland.

This community is associated with red-brown clay loams and claypans, encompassing a flowline in the northern corridor. AaAtCc is the only community observed that supports *Eucalyptus victrix* away from major channels indicating that more moisture is available in these areas. Potholes in deeper clay loams were common, where large areas have 'caved in'. *Malvastrum americanum* and *Boerhavia coccinea*

The introduced species of this community were present in low abundance. Community condition was rated between good to very good.



### Plate 19 Photograph of community AaAtCc

**AaEfTp** - *Acacia aneura*, *Acacia pruinocarpa* and *Acacia aptaneura* woodland over *Eremophila forrestii*, *Acacia ancistrocarpa* and *Acacia tetragonophylla* open shrubland over *Triodia pungens* hummock grassland.

This community occurred on clay loams to sandy loams sometimes with black pebbles on surface. Several areas showed signs of continued dampness indicating it may be a weak flowline community. Additional common species included *Chrysopogon fallax*, *Solanum lasiophyllum*, *Sclerolaena cornishiana*, *Solanum lasiophyllum* and *Psydrax latifolia*.

The community condition for AaEfTe was very good to excellent. Some *\*Portulaca oleracea* was present in some quadrats however this species is considered a non-aggressive introduced species.



### Plate 20 Photograph of community AaEfTe

**AaPsCf** - *Acacia aneura* woodland over *Psydrax latifolia*, *Acacia tetragonophylla* and *Acacia synchronicia* open shrubland over *Chrysopogon fallax* and *\*Cenchrus ciliaris* open tussock grassland.

AaPsCf was associated with flat areas, sometimes with small depressions, on clay loams with pebbles on the surface. The disturbance of cattle caused some variation in the community where *\*Cenchrus ciliaris* would dominate the grassland. Additional associated species include *Corchorus tridens*, *Acacia pruinocarpa* and *Acacia sclerosperma* subsp. *sclerosperma*.

Community condition varied from poor to good.





Plate 21 Photograph of community AaPsCf

**AxAsSa-** *Acacia xiphophylla* and *Acacia aneura* isolated trees over *Acacia synchronicia* and *Acacia tetragonophylla* sparse shrubland over *Salsola australis*, *Maireana pyramidata* and *Sclerolaena cuneata* sparse chenopod shrubland.

Community AxAsSa was recorded in the northern corridor between denser stands of *Acacia aneura* on flat clay loam soils. Bare ground was often between 80% - 90% with all strata recorded in patches. The occurrence of these patches is likely due to the accumulation of nutrients in areas where a few species were able to colonise. This has created a scattered effect of small trees, shrubs, and herbaceous species. Associated understorey species include *Atriplex ?amnicola*, *Goodenia prostrata* and *Solanum lasiophyllum*.

Community condition ranged between Very Good to Excellent.



**Plate 22 Photograph of AxAsSa**



## Appendix C3

# Photographs of Vegetation Condition



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\**Cenchrus ciliaris* has clearly displaced native herbaceous species by dominating the understorey layer. Spread of introduced species is likely caused by a combination of wind, surface water, native animal and livestock seed dispersion.



**Plate 1 Photograph of \**Cenchrus ciliaris* infestation**

Damage from cattle was evident throughout the area, particularly near the Roy-Hill road. Heavily grazed areas were barren, with only dead tufts of grass remaining. Near Weeli Wolli Creek the cattle have created numerous tracks where the ground is heavily compacted leaving it bare and uninhabitable due to heavy soil compaction.



**Plate 2 Photograph of heavily grazed area**

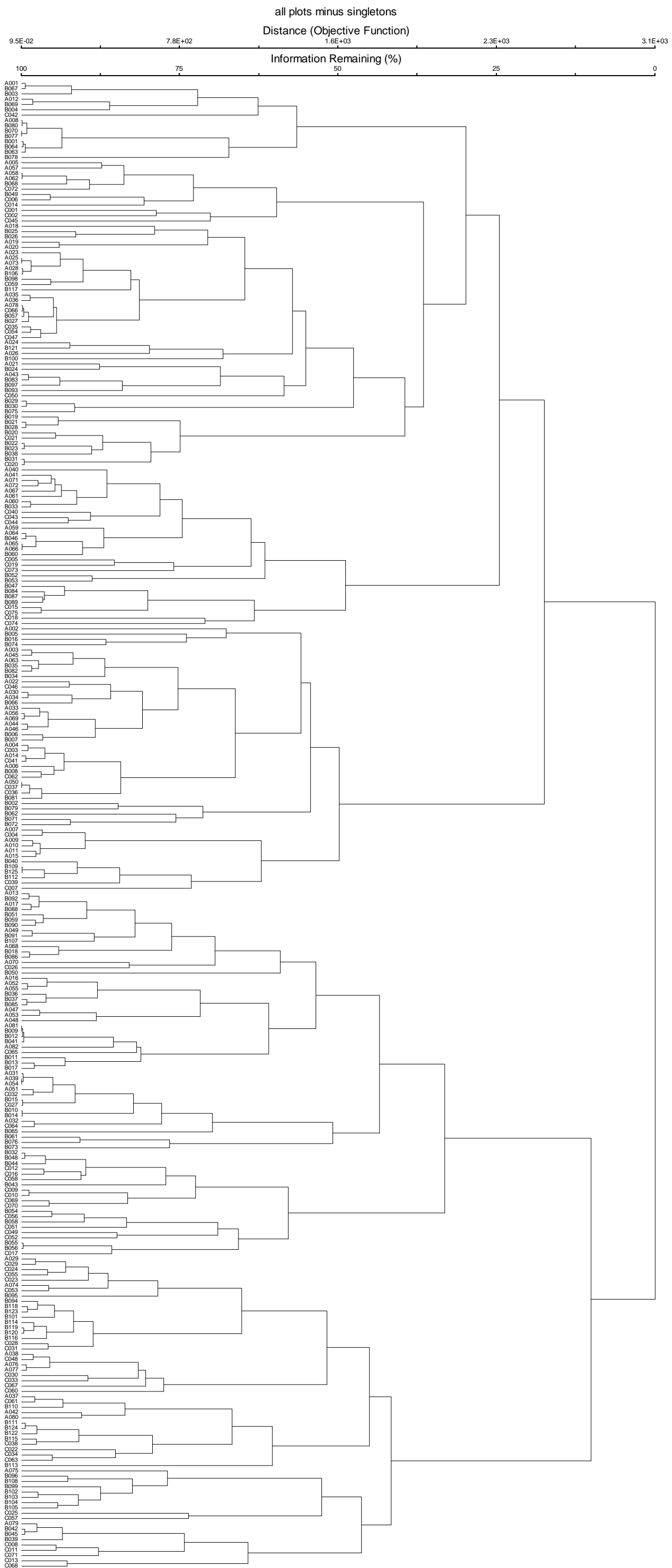
## Appendix D

### Data Analysis Results – Dendrogram

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## Appendix E

Level VI: Sub-association of Vegetation for  
each Quadrat

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## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

A001

U1^Acacia bivenosa\Acacia\Mallee Tree\6\bc; M1Eucalyptus leucophloia\Eucalytus\Low Tree\5\bc; M2^+Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Triodia epactia, Keraudrenia nephrosperma\Triodia\Tussock Grasses\3\c; U1^ Solanum sturtianum, Ptilotus polystachyus\Solanum\low shrub\2\bc; U2 Solanum lasiophyllum\Solanum\low shrub\2\bc;

A002

U1^Acacia inaequilatera\Acacia\Mallee Tree\6\bc; M1^Acacia ?sericophylla, Acacia sclerosperma subsp. Sclerosperma\Acacia\Mallee shrub\4\bc; M2^+Triodia epactia, Triodia schinzii, Eremophila longifolia, Corymbia hamersleyana, Acacia ligulata\Triodia\tussock grasses\3\bc; U1^Petalostylis labicheoides, Cenchrus ciliaris, Tribulus macrocarpus, Eragrostis eriopoda, Eulalia aurea\Petalostylis\2\bc; U2 Trianthema pilosa, Euphorbia alsiniflora, Crotalaria medicaginea var. Neglecta, Dicrasyli cordifolia, Corchorus sidoides subsp. Sidoides\Trianthema\other grasses\1\bc;

A003

M1^ Acacia ?melleodora, Acacia sclerosperma subsp. Sclerosperma, Acacia pruinocarpa, Acacia pachyacra\Acacia\Mallee Tree\4\bc; M2 Acacia ancistrocarpa, Triodia epactia, Hibiscus sturtii var. Platychlamys\Acacia\Mallee Shrub\3\bc; U1^ Eragrostis eriopoda, Tribulus macrocarpus, Aristida holathera var. Holathera, Senna artemisioides subsp. Oligophylla, Senna notabilis\Eragrostis\low shrub\2\bc; U2 Boerhavia coccinea, Corchorus sidoides subsp. Sidoides, Gossypium austral, Paraneurachne muelleri\Boerhavia\low grasses\1\bc;

A004

U1^ Acacia synchronicia, Corymbia hamersleyana\Acacia\mallee tree\6\bc; M1^ Acacia inaequilatera, Acacia synchronicia, Senna notabilis, Ptilotus obovatus\Acacia\mallee shrub\3\bc; G1^+ Triodia epactia, Senna artemisioides subsp. oligophylla x helmsii, Themeda triandra, Cleome viscosa, Enneapogon polyphyllus\Trodia\Tussock Grasses\2\bc; G2 Solanum lasiophyllum, Trianthema pilosa, Portulaca oleracea, Goodenia prostrata, Eriachne pulchella subsp. Pulchella, Heliotropium inexplicitum\low shrubs\1\bc;

A005

U1^ Eucalyptus gamophylla, Corymbia hamersleyana\Eucalyptus\tree\6\bc; M1 Hakea lorea subsp. Lorea, Acacia pruinocarpa, Acacia pachyacra\Hakea\tree\4\bc; M2^+ Triodia schinzii\Trodia\Tussock Grasses\3\bc; G1^ Acacia dictyophleba, Melhania oblongifolia, Senna artemisioides subsp. Oligophylla, Solanum lasiophyllum, Euphorbia alsiniflora\Senna\low shrubs\2\bc; G2 Triodia epactia, Melhania oblongifolia, Hybanthus aurantiacus, Gossypium austral, Aristida holathera var. Holathera\Trodia\Tussock Grasses\1\bc;



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A006

M1<sup>^</sup> *Acacia inaequilatera*, *Acacia pruinocarpa*\Acacia\Mallee tree\4\bc; M2 *Acacia bivenosa*, *Acacia ancistrocarpa*, *Aristida inaequiglumis*\Acacia\Mallee tree\3\bi; G1<sup>^</sup>+ *Triodia epactia*, *Eragrostis eriopoda*, *Paraneurachne muelleri*, *Aristida contorta*, *Eulalia aurea*\Trodia\Tussock Grasses\2\l; G2 *Aristida holathera* var. *Holathera*, *Gossypium austral*, *Sida* sp., *Trichodesma zeylanicum* var. *Zeylanicum*, *Senna notabilis*\Aristida\Other grasses\1\bi

A007

U1<sup>^</sup> *Corymbia hamersleyana*, *Hakea chordophylla*\Corymbia\Trees\6\bc; M1 *Acacia inaequilatera*, *Hakea lorea* subsp. *Lorea*, *Acacia sclerosperma* subsp. *Sclerosperma*\Acacia\Mallee Shrub\4\bc; M2<sup>^</sup> *Acacia ancistrocarpa*, *Grevillea wickhamii* subsp. *Hispidula*, *Anthobolus leptomerioides*\Acacia\Mallee Shrub\3\r; G1<sup>^</sup>+*Triodia epactia*, *Euphorbia boophthona*, *Cleome viscosa*, *Trichodesma zeylanicum* var. *Zeylanicum*, *Senna artemisioides* subsp. *Oligophylla*\Trodia\Tussock Grasses\2\l; G2 *Corchorus sidoides* subsp. *Sidoides*, *Euphorbia ?australis*, *Solanum lasiophyllum*, *Heliotropium inexplicitum*, *Eriachne aristidea*\Corchorus\1\bi

A008

M1 *Acacia inaequilatera*, *Acacia pachyacra*\Acacia\Mallee Shrub\4\bi; M2<sup>^</sup> *Grevillea wickhamii* subsp. *Hispidula*, *Senna artemisioides* subsp. *oligophylla* ? x *helmsii*\Grevillea\Shrub\3\bc; G1<sup>^</sup>+ *Triodia* sp. *Shovelanna Hill* (S. van Leeuwen 3835), *Aristida holathera*, *Boerhavia coccinea*, *Ptilotus calostachyus*, *Ptilotus exaltatus* var. *Exaltatus*\Trodia\Tussock Grasses\2\r; G2 *Eriachne aristidea*, *Eriachne pulchella* subsp. *Dominie*, *Gomphrena affinis* subsp. *Pilbarensis*, *Haloragis gosseii* var. *Gosseii*, *Trachymene oleracea* subsp. *Oleracea*\Eriachne\Other grasses\bi

A009

M1 *Acacia pachyacra*, *Hakea lorea* subsp. *Lorea*, *Eucalyptus gamophylla*\Acacia\Mallee Shrub\4\bi; M2<sup>^</sup> *Acacia ancistrocarpa*, *Petalostylis labicheoides*, *Grevillea wickhamii* subsp. *Hispidula*, *Gossypium robinsonii*, *Acacia ?sericophylla*\Acacia\Mallee Shrub\3\bc; G1<sup>^</sup>+ *Triodia epactia*, *Polycarpaea longiflora*, *Bonamia rose*, *Senna notabilis*, *Senna glutinosa* subsp. *Pruinosa*\Trodia\Tussock Grasses\2\c; G2 *Eriachne aristidea*, *Goodenia microptera*, *Tephrosia* sp., *Cucumis maderaspatanus*, *Yakirra australiensis*\Other grasses\1\bi

A010

M1 *Acacia inaequilatera*, *Acacia elachantha*, *Hakea lorea* subsp. *Lorea*, *Hakea chordophylla*, *Acacia pachyacra*\Acacia\Mallee Shrub\4\bi; M2<sup>^</sup> *Acacia ancistrocarpa*, *Petalostylis labicheoides*, *Acacia arida*, *Grevillea wickhamii* subsp. *Hispidula*\Acacia\Mallee Shrub\3\r; G1<sup>^</sup>+ *Triodia epactia*, *Senna notabilis*, *Trichodesma zeylanicum* var. *Zeylanicum*, *Senna artemisioides* subsp. *Oligophylla*. *Dicrasyli cordifolia*,

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Corchorus sidoides subsp. Sidoides\Trodia\^Tussock Grasses\2\c; G2 Yakirra australiensis, Cleome viscosa, Eriachne aristidea, Aristida holathera var. Holathera, Velleia panduriformis\Yakirra\^Shrubs\1\bi

A011

U1^ Corymbia hamersleyana\Corymbia\^tree\6\bi; M1 Acacia elachantha, Hakea lorea subsp. Lorea, Eucalyptus gamophylla, Acacia elachantha\Acacia\^Mallee shrub\4\bi; M2^ Acacia ancistrocarpa, Grevillea wickhamii subsp. Hispidula, Petalostylis labicheoides, Acacia bivenosa, Dodonaea coriacea\Acacia\^Mallee shrub\3\bi; G1^+Triodia epactia, Acacia adoxa var. Adoxa, Senna artemisioides subsp. Oligophylla, Hybanthus aurantiacus\Trodia\^Tussock Grasses\2\r; G2 Paraneurachne muelleri, Scaevola parvifolia subsp. Parvifolia, Sida sp.\Paraneurachne\^other grasses\1\bi

A012

M1 Acacia pachyacra, Hakea chordophylla\Acacia\^Mallee shrub\4\bi; M2^ Grevillea wickhamii subsp. Hispidula, Acacia bivenosa, Sida arenicola\Grevillea\^Shrub\3\bc; G1^+ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Triodia epactia, Codonocarpus cotinifolius, Ptilotus calostachyus, Eragrostis eriopoda\Trodia\^Tussock Grasses\2\i; G2 Euphorbia ? Australis, Eriachne pulchella, Ptilotus astrolasius, Indigofera monophylla, Goodenia microptera\Euphorbia\^Low Shrubs\1\bi

A013

U1^ Corymbia hamersleyana, Acacia citrinoviridis, Atalaya hemiglauca\Corymbia\^tree\6\bc; M1^ Acacia pruinocarpa, Hakea lorea subsp. Lorea, Acacia inaequilatera, Acacia sclerosperma subsp. Sclerosperma, Acacia synchronicia\Acacia\^Mallee shrub\4\bc; G1^+Cenchrus ciliaris, Cleome viscosa, *Ipomoea muelleri*, *Acacia aneura*\Cenchrus\^Other Grasses\2\i; G2 Dysphania sp.\Dysphania\^Low Shrubs\1\bi

A014

U1^ Corymbia hamersleyana\Corymbia\^tree\6\bc; M1^ Acacia inaequilatera, Acacia pachyacra\Acacia\^Mallee shrub\4\bc; M2 Acacia ?synchronicia, Petalostylis labicheoides, Grevillea sp.\Acacia\^Mallee shrub\3\bc;\G1^+Triodia epactia, Dicrasyllis cordifolia, Aristida holathera var. Holathera, Hybanthus aurantiacus, *Bonamia rosea*\Trodia\^Tussock Grasses\2\c, G2 Ptilotus astrolasius, Trianthema pilosa, Eragrostis eriopoda, *Bonamia rosea*\Ptilotus\^low shrub\1\bi

A015

M1^Acacia elachantha, Acacia inaequilatera, Acacia dictyophleba, Acacia sclerosperma subsp. Sclerosperma\Acacia\^Mallee shrub\4\bi; M2 Acacia ancistrocarpa, Petalostylis labicheoides, Acacia spondylophylla, Aristida inaequiglumis\Acacia\^Mallee shrub\3\r; G1^+ Triodia epactia, Senna artemisioides subsp. Oligophylla, Solanum lasiophyllum, Dicrasyllis cordifolia, Cenchrus ciliaris\Trodia\^Tussock Grasses\2\c; G2 Chrysopogon fallax, Trianthema pilosa, Gomphrena affinis

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subsp. Pilbarensis, Eriachne aristidea, Corchorus sidoides subsp. Sidoides\Chrysopogon\low Shrubs\1\bi

A016

U1^ Eucalyptus victrix\Eucalytus\^trees\6\bc, M1 Acacia citrinoviridis, Acacia pachyacma, Acacia inaequilatera, Hakea lorea subsp. Lorea\Acacia\Mallee shrub\4\bc; G1^+Cenchrus ciliaris, Cleome viscosa\Cenchrus\^other grasses\2\l; G2 Cucumis maderaspatanus, Euphorbia australis\Cucumis\^other grasses\bi

A017

U1^ Acacia citrinoviridis, Corymbia hamersleyana\Acacia\Mallee tree\6\bc; M1^Acacia sclerosperma subsp. Sclerosperma, Acacia pruinocarpa\Acacia\Mallee shrub\4\bc; M2 Acacia ancistrocarpa, Acacia ?synchronicia, Acacia tetragonophylla\Acacia\Mallee shrub\3\bc; G1^+Cenchrus ciliaris, Acacia synchronicia, Acacia synchronicia\Cenchrus\^other grasses\2\l; G2 Dysphania sp.\Gysphania\^Low Shrub\1\bi

A018

M1 Melaleuca xerophila\Melaleuca\^Tall Shrub\4\bc; M2^ Eremophila youngii subsp. Lepidota, Acacia tetragonophylla, Senna glutinosa subsp. Glutinosa, Vachellia farnesiana, Acacia synchronicia\Acacia\Mallee Shrub\3\l; G1^+ Enneapogon polyphyllus, Enchylaena tomentose, Solanum sturtianum, Poaceae sp.\Enneapogon\^other grasses\2\l; G2 Solanum sturtianum, Blumea tenella, ?Asteraceae sp., Corchorus tridens, Neptunia dimorphantha\Solanum\^low Shrub\1\bi

A019

M1^ Acacia sclerosperma subsp. Sclerosperma, Solanum sturtianum\Acacia\Mallee shrub\4\bc; M2 Acacia synchronicia\Acacia\Mallee shrub\4\bi; G1^+Enneapogon polyphyllus, Atriplex sp., Enchylaena tomentose\Enneapogon\^Low grasses\2\l

A020

U1^Acacia aneura var ?, Grevillea striata\Acacia\Mallee shrub\6\bc; M1^ Acacia sclerosperma subsp. Sclerosperma\Acacia\Mallee shrub\4\bc; Acacia ?synchronicia, Maireana pyramidata\Acacia\Mallee shrub\3\bc; G1^+Enneapogon polyphyllus, Atriplex sp., Cleome viscosa\Enneapogon\^Low grasses\2\l

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A021

M1 *Acacia xiphophylla*, *Eremophila longifolia* \Acacia\^Mallee shrub\4\bc; M2^+ *Maireana pyramidata*, *Rhagodia eremaea*, ?*Eragrostis* sp., *Scaevola spinescens*, *Acacia tetragonophylla* \Maireana\^Mid Shrub\3\bc; G1 *Enchylaena tomentosa*, *Portulaca oleracea* \Enchylaena\^low Shrubs\2\bi; G2^ *Enneapogon polyphyllus*, *Enteropogon ramosus*, *Marsilea hirsute*, *Brachyachne prostrata*, *Sporobolus australasicus* \Enneapogon\^low grasses\1\bc

A022

M1^ *Acacia sclerosperma* subsp. *Sclerosperma*, *Acacia pruinocarpa*, *Hakea lorea* subsp. *Lorea* \Acacia\^Mallee Shrub\4\bc; M2 *Acacia synchronicia*, *Acacia arida* \Acacia\^Mallee Shrub\3\bc; G1^+ *Triodia epactia*, *Ptilotus exaltatus* var. *Exaltatus* \Trodia\^Tussock Grasses\2\bc; G2 *Enneapogon polyphyllus*, *Sporobolus australasicus*, *Salsola australis*, *Eriachne aristidea*, *Perotis rara* \Enneapogon\^low grasses\1\bi

A023

M1^ *Acacia ?synchronicia*, *Acacia aneura* \Acacia\^Mallee Shrub\3\bc; G1 *Cleome viscosa* \Clemoe\^low Shrub\2\bi; G2^+ *Goodenia prostrata*, *Eremophila cuneifolia*, *Cleome oxalidea*, *Eriachne pulchella* subsp. *Dominie* \Goodenia\^low Shurbs\1\bc

A024

M1^+ *Acacia aneura*, *Acacia synchronicia*, *Fimbristylis microcary* \Acacia\^mallee shrub\3\bc; G1^ *Corchorus sidoides* subsp. *Sidoides*, *Salsola australis*, *Gossypium australe*, *Phyllanthus maderaspatensis*, *Senna artemisioides* subsp. *Oligophylla* \Corchorus\^low shrubs\2\bi; G2 *Enneapogon polyphyllus*, *Dysphania* sp., *Portulaca oleracea*, *Tribulus astrocarpus*, *Cucumis maderaspatanus* \Enneapogon\^low shrubs\1\bi

A025

M1^+ *Acacia xiphophylla*, *Acacia synchronicia* \Acacia\^Mallee Shrub\3\bc; G1 *Senna ?sp.* *Meekatharra* (E. Bailey 1-26), *Salsola australis*, *Atriplex ?amnicola*, *Solanum lasiophyllum*, *Cleome viscosa*, *Gomphrena affinis* subsp. *Pilbarensis* \Salosa\^low Shrubs\2\bi; G2^ *Goodenia prostrata*, *Tribulus astrocarpus*, *Sporobolus australasicus*, *Sclerolaena cuneata*, *Ptilotus exaltatus* var. *Exaltatus* \Goodenia\1\bc



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A026

M1<sup>+</sup> Chrysopogon fallax, Acacia aneura, Acacia tetragonophylla, Acacia synchronicia, Rhagodia eremaea\Acacia\Mallee Shrub\3\; G1 Euphorbia tannensis subsp. Eremophila, Malvastrum americanum, Phyllanthus maderaspatensis, Gomphrena affinis subsp. Pilbarensis, Solanum lasiophyllum\Euphorbia\low shrubs\2\bc; G2 Eremophila lanceolata, Goodenia prostrate, Streptoglossa sp., Eriachne benthamii\Eremophila\1\bc

A028

U1<sup>+</sup> Acacia incurvaneura\Acacia\Mallee Tree\6\; M1 Acacia pruinocarpa, Acacia inaequilatera\Acacia\Mallee Shrub\4\bi; M2<sup>+</sup> Acacia synchronicia, Rhagodia eremaea, Acacia tetragonophylla\Acacia\Mallee Shrub\3\bc; G1<sup>+</sup> Atriplex ?amnicola, Chrysopogon fallax, Solanum lasiophyllum, Salsola australis, Gomphrena affinis subsp. Pilbarensis\Atriplex\low shrubs\2\bi; G2 Eragrostis setifolia, Cucumis maderaspatanus, Cleome viscosa, Perotis rara, Sporobolus australasicus\Eragrostis\low grasses\1\bi

A029

M1<sup>+</sup> Acacia aneura, Acacia aneura, Hakea lorea subsp. Lorea, Psydrax latifolia\Acacia\Mallee Shrub\4\; M2 Acacia synchronicia, Acacia tetragonophylla, Senna artemisioides subsp. oligophylla ? x helmsii\Acacia\Mallee Shrub\3\bc; G1<sup>+</sup> Psydrax latifolia, Dodonaea petiolaris, Eremophila forrestii ?subsp. forrestii, Chrysopogon fallax, Ptilotus obovatus\Psydrax\low shrubs\2\bc; G2 Senna artemisioides subsp. Oligophylla, Abutilon lepidum, Evolvulus alsinoides var. Villosicalyx, Cheilanthes sieberi subsp. Sieberi, Rhagodia eremaea\Senna\low shrub\1\bi

A030

M1<sup>+</sup> Acacia dictyophleba, Hakea lorea subsp. Lorea, Acacia pachyacra\Acacia\Mallee Shrub\4\bc; M2 Acacia synchronicia, Senna artemisioides subsp. oligophylla x helmsii\Acacia\Mallee Shrub\3\bi

G1<sup>+</sup> Triodia epactia, Eragrostis eriopoda, Senna notabilis\2\^Tussock Grasses\; G2 Enneapogon polyphyllus, Senna artemisioides subsp. Oligophylla, Solanum lasiophyllum, Sporobolus australasicus, Sclerolaena cornishiana\Enneapogon\low grasses\1\bi

A031

U1<sup>+</sup> Corymbia hamersleyana\Corymbia\^trees\6\bi; M1<sup>+</sup> Acacia pruinocarpa, Acacia pachyacra, Acacia sclerosperma subsp. Sclerosperma, Acacia dictyophleba\Acacia\Mallee Shrub\3\bc; G1<sup>+</sup> Cenchrus ciliaris, Triodia epactia, Eragrostis eriopoda\Cenchrus\low grasses\2\; G2 Senna artemisioides subsp. Oligophylla, Senna notabilis, Sporobolus australasicus\Senna\low shrubs\1\bi

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A032

M1<sup>^</sup> *Acacia dictyophleba*, *Acacia pruinocarpa*, *Hakea lorea* subsp. *Lorea* \Acacia\^Mallee Shrub\3\bc;

G1<sup>^</sup>+ *Cenchrus ciliaris*, *Eremophila longifolia*, *Triodia epactia*, *Senna notabilis*, *Eragrostis eriopoda* \Cenchrus\^low grasses\2\bc; G2 *Sporobolus australasicus*, *Boerhavia coccinea*, *Corchorus tridens*, *Gomphrena affinis* subsp. *Pilbarensis*, *Perotis rara* \Sporobolus\^low shrubs\1\bc

A033

U1<sup>^</sup> *Corymbia hamersleyana* \Corymbia\^trees\6\bi; M1<sup>^</sup> *Acacia dictyophleba*, *Acacia pachyacra*, *Acacia aneura*, *Acacia pruinocarpa*, *Hakea lorea* subsp. *Lorea* \Acacia\^low Mallee shrubs\4\bc; M2 *Acacia synchronicia*, *Eremophila longifolia*, *Acacia tetragonophylla* \Acacia\^low Mallee Shrubs\3\bc; G1<sup>^</sup>+ *Triodia epactia*, *Eragrostis eriopoda*, *Gomphrena affinis* subsp. *Pilbarensis*, *Gossypium australe* \Trodia\^Tussock Grasses\1\bc; G2 *Cleome viscosa*, *Corchorus tridens*, *Dactyloctenium radulans*, *Enneapogon polyphyllus*, *Eriachne aristidea* \Cleome\^low grasses\1\bi

A034

M1<sup>^</sup> *Acacia dictyophleba*, *Acacia sclerosperma* subsp. *Sclerosperma*, *Hakea lorea* subsp. *Lorea*, *Acacia pachyacra*, *Acacia aneura* \Acacia\^Mid Mallee shrubs\4\bc; G1<sup>^</sup>+ *Triodia epactia*, *Chrysopogon fallax*, *Senna glutinosa* subsp. *Pruinosa*, *Rhynchosia minima* \Trodia\^Tussock Grasses\2\bc

A035

M1<sup>^</sup>+ *Acacia pruinocarpa*, *Acacia aneura*, *Acacia synchronicia*, *Acacia synchronicia* \Acacia\^Mallee shrubs\4\bc; G1<sup>^</sup> *Triodia epactia*, *Gomphrena affinis* subsp. *Pilbarensis*, *Ptilotus obovatus*, *Cleome viscosa* \Trodia\^Tussock Grasses\2\bc; G2 *Dactyloctenium radulans*, *Dysphania rhadinostachya*, *Dysphania* sp., *Eriachne pulchella* subsp. *Pulchella*, *Goodenia prostrata* \Dysphania\^low shrubs\1\bi

A036

M1<sup>^</sup> *Acacia synchronicia*, *Acacia aneura* \Acacia\^Mallee shrubs\4\bc;

G1 *Salsola australis*, *Solanum lasiophyllum*, *Senna notabilis*, *Senna artemisioides* subsp. *Oligophylla* \Senna\^low shrubs\2\bi; G2<sup>^</sup>+ *Portulaca oleracea*, *Boerhavia coccinea*, *Dysphania rhadinostachya*, *Tribulus astrocarpus*, *Dysphania* sp. \Dysphania\^low Shrubs\1\bc

A037

M1<sup>^</sup>+ *Acacia aneura*, *Acacia synchronicia*, *Acacia tetragonophylla*, *Eremophila forrestii* ?subsp. *forrestii*, *Hakea lorea* subsp. *Lorea* \Acacia\^Mallee Shrub\3\bi; G1<sup>^</sup> *Triodia epactia*, *Chrysopogon fallax*, *Eremophila lanceolata*, *Psyrax latifolia*, *Senna notabilis* \Trodia\^Tussock Grasses\2\bc; G2 *Portulaca oleracea*,

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Perotis rara, Eragrostis setifolia, Enteropogon ramosus, Cucumis maderaspatanus\Eragrostis\low grasses\1\bi

A038

M1^+ Acacia aneura, Hakea lorea subsp. Lorea, Eremophila forrestii ?subsp. forrestii, Acacia tetragonophylla\Acacia\Mallee shrubs\4\l; G1 Chrysopogon fallax, Psydrax latifolia, Cenchrus ciliaris, Senna notabilis, Triodia epactia\Chrysopogon\low grasses\2\r; G2 Bidens bipinnata, Blumea tenella, Perotis rara, Paspalidium basicladum, Evolvulus alsinoides var. Villosicalyx\Bidens\low grasses\1\bc

A039

U1^ Corymbia hamersleyana, Ehretia saligna var. Saligna\Corymbia\^trees\6\bi; M1^ pruinocarpa, Acacia inaequilatera, Hakea lorea subsp. Lorea, Acacia dictyophleba, Acacia sclerosperma subsp. Sclerosperma, Acacia pyrifolia\Acacia\Mallee Shrub\3\bc; G1^+ Cenchrus ciliaris, Triodia epactia, Senna notabilis, Salsola australis\Cenchrus\^Other Grasses\2\r; G2 Ptilotus exaltatus var. Exaltatus, Indigofera monophylla, Cucumis maderaspatanus, Notoleptopus decaisnei, Euphorbia ?australis\Ptilotus\low shrubs\1\bi

A040

M1 ^Eucalyptus gamophylla, Acacia sclerosperma subsp. sclerosperma\Eucalyptus\^tree, shrub\5\r;M2 ^Petalostylis labicheoides, Stylobasium spathulatum\Petalostylis\^shrub\3\r;G1+ ^Triodia basedowii, Ptilotus astrolasius, Bonamia rosea, Eragrostis eriopoda, Scaevola parvifolia subsp. parvifolia\Triodia\^tussock grass, shrub, vine, other grass\2\l

A041

M1 ^Acacia sclerosperma subsp. sclerosperma, Acacia inaequilatera, Eucalyptus gamophylla, Hakea lorea subsp. lorea\Acacia\4\bc;M2 ^Stylobasium spathulatum\Stylobasium\3\bc;G1+ ^Triodia basedowii, Ptilotus astrolasius, Scaevola parvifolia subsp. parvifolia, Eragrostis eriopoda, Bonamia rosea\Triodia\^tussock grass, shrub, other grass, vine\2\r

A042

M1 ^Acacia aneura, Vachellia farnesiana, Acacia sclerosperma subsp. sclerosperma, Hakea lorea subsp. lorea\Acacia\^mallee shrub, shrub\4\r;M2 ^Acacia synchronica, Scaevola spinescens, Eremophila forrestii ?subsp. forrestii, Senna artemisioides subsp. oligophylla x helmsii, Senna glutinosa subsp. chatelainiana\Acacia\^shrub\3\r;G1+ ^Cenchrus ciliaris, Chrysopogon fallax, Euphorbia australis, Ipomoea muelleri, Psydrax latifolia\Cenchrus\^other grass, shrub, vine\2\r

A043

M1 ^Acacia aneura, Aerva javanica\Acacia\Mallee shrub, other grass\4\bi;M2 ^Acacia synchronica, Maireana pyramidata, Scaevola spinescens, Rhagodia eremaea, Eremophila forrestii ?subsp.

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forrestii\Acacia\^shrub\3\;G1 ^Cenchrus ciliaris, Triodia basedowii, Boerhavia coccinea, Chrysopogon fallax, Atriplex ?amnicola\Cenchrus\^other grass, tussock grass, vine, shrub, herb\2\

A044

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia pachyacra, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^Acacia ancistrocarpa\Acacia\^shrub\3\bi;G1+ ^Triodia epactia, Eragrostis eriopoda, Aristida contorta, Trianthema pilosa, Paraneurachne muelleri\Triodia\^tussock grass, other grass, herb\2\

A045

M1 ^Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^Senna artemisioides subsp. oligophylla x helmsii, Aristida inaequiglumis\Senna\^shrub, other grass\3\bi;G1+ ^Triodia epactia, Eragrostis eriopoda, Paraneurachne muelleri, Aristida contorta, Trianthema pilosa\Triodia\^tussock grass, other grass, herb\2\

A046

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia sclerosperma subsp. sclerosperma, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^Scaevola spinescens, Atalaya hemiglauca\Scaevola\^shrub\3\bc;G1+ ^Triodia epactia, Cenchrus ciliaris, Chrysopogon fallax, Senna artemisioides subsp. oligophylla, Eragrostis eriopoda\Triodia\^tussock grass, other grass, shrub\2\

A047

U1 ^Eucalyptus victrix\Eucalyptus\^tree\6\bc;M1 ^Acacia citrinoviridis, Acacia elachantha, Acacia pyrifolia var. pyrifolia\Acacia\^shrub\6\;M2 ^Corchorus crozophorifolius, Atalaya hemiglauca, Acacia ?coriacea subsp. pendens, Gossypium robinsonii\Corchorus\^shrub\3\bc\G1 ^ Cenchrus ciliaris, Gomphrena cunninghamii, Triodia epactia, Boerhavia coccinea, Duperreya commixta\Cenchrus\^other grass, tussock grass, vine, herb\2\

A048

U1 ^ Eucalyptus victrix\Eucalyptus\^tree\6\;M1 ^ Acacia citrinoviridis, Acacia pyrifolia var. pyrifolia\Acacia\^shrub\4\;M2 ^ Acacia ?coriacea subsp. pendens, Atalaya hemiglauca, Gossypium robinsonii\Acacia\^shrub\3\bc;G1+ ^ Corchorus crozophorifolius, Indigofera monophylla, Amaranthus undulatus, Cenchrus ciliaris, Tephrosia rosea var. glabrior\Corchorus\^shrub, vine, other grass\2\

A049

M1 ^Acacia pruinocarpa, Acacia sclerosperma subsp. sclerosperma, Acacia citrinoviridis, Acacia inaequilatera\Acacia\^shrub\4\bc;M2 ^ Atalaya hemiglauca\Atalaya\^shrub\3\bi;G1+ ^ Cenchrus ciliaris, Ptilotus obovatus, Solanum lasiophyllum, Boerhavia coccinea, Euphorbia ?australis\Cenchrus\^other grass, shrub, herb, vine\2\c

A050

M1 ^ Acacia sclerosperma subsp. sclerosperma, Acacia pachyacra, Acacia pruinocarpa, Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^ Scaevola spinescens, Atalaya hemiglauca, Acacia ancistrocarpa\Scaevola\^shrub\3\bc;G1+ ^ Triodia epactia, Cenchrus ciliaris, Senna



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artemisioides subsp. oligophylla, Chrysopogon fallax, Boerhavia coccinea\Triodia\tussock grass, other grass, shrub, herb, vine\2\c

A051

U1 ^ Corymbia hamersleyana\Corymbia\tree\6\bc;M1 ^Acacia pruinocarpa, Hakea lorea subsp. lorea, Acacia citrinoviridis, Eremophila longifolia\Acacia\shrub\4\bc;M2 ^ Atalaya hemiglauca\Atalaya\shrub\3\bc;G1+ ^ Cenchrus ciliaris, Triodia epactia, Boerhavia coccinea, Ptilotus obovatus, Cleome viscosa\Cenchrus\other grass, tussock grass, vine, shrub, herb\2\l

A052

U1 ^ Eucalyptus victrix\Eucalyptus\tree\6\bc;M1 ^Acacia pruinocarpa, Acacia citrinoviridis\Acacia\shrub\4\bc;M2 ^ Codonocarpus cotinifolius, Acacia ancistrocarpa, Atalaya hemiglauca\Codonocarpus\shrub\3\bi;G1+ ^ Cenchrus ciliaris, Corchorus sidoides subsp. sidoides, Corchorus tridens, Aerva javanica, Boerhavia coccinea\Cenchrus\other grass, herb\2\l

A053

U1 ^Eucalyptus victrix\Eucalyptus\tree\6\bc;M1+ ^ Acacia citrinoviridis, Acacia pyrifolia var. pyrifolia\Acacia\shrub\4\l;M2 ^ Atalaya hemiglauca, Gossypium robinsoniim, Clerodendrum floribundum var. angustifolium\Atalaya\shrub\3\bc;G1 ^ Corchorus crozophorifolius, Cenchrus ciliaris, Triodia epactia, Duperreya commixta, Cleome viscosa\Corchorus\herb, other grass, tussock grass\2\l

A054

M1 ^ Acacia inaequilatera, Acacia pruinocarpa, Acacia dictyophleba\Acacia\shrub\4\bc;M2 ^ Acacia synchronicia, Senna artemisioides subsp. oligophylla x helmsii\Acacia\shrub\3\bi;G1+ ^ Triodia epactia, Cenchrus ciliaris, Boerhavia coccinea, Euphorbia boophthona, Solanum lasiophyllum\Triodia\tussock grass, other grass, vine, shrub\2\l

A055

U1 ^ Eucalyptus victrix, Corymbia hamersleyana\Eucalyptus\tree\6\l;M1 ^Acacia pruinocarpa, Acacia citrinoviridis, Hakea lorea subsp. lorea\Acacia\shrub\4\bc;M2 ^ Atalaya hemiglauca, Codonocarpus cotinifolius\Atalaya\shrub\3\bi;G1+ ^ Cenchrus ciliaris, Duperreya commixta, Corchorus tridens, Aerva javanica, Ptilotus obovatus\Cenchrus\other grass, herb\2\l

A056

U1 ^ Corymbia hamersleyana\Corymbia\tree\6\bc;M1 ^ Acacia inaequilatera, Acacia citrinoviridis, Acacia pruinocarpa, Hakea lorea subsp. lorea\Acacia\shrub\4\bc;M2 ^ Eremophila forrestii ?subsp. forrestii, Senna artemisioides subsp. oligophylla x helmsii\Eremophila\shrub\3\bi;G1+ ^ Triodia epactia, Cenchrus ciliaris, Senna artemisioides subsp. oligophylla, Senna notabilis, Solanum lasiophyllum\Triodia\tussock grass, other grass, shrub, herb\2\l

A057

U1 ^ Corymbia hamersleyana\Corymbia\tree\6\bc;M1 ^ Hakea lorea subsp. lorea, Acacia inaequilatera, Acacia dictyophleba, Acacia tumida var. pilbarensis, Acacia pachyacra\Hakea\shrub\4\bc;M2+ ^ Triodia

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schinzii, Eremophila longifolia, Senna artemisioides subsp. oligophylla ? x helmsii, Grevillea wickhamii subsp. hispidula\Triodia\tussock grass, shrub\3r;G1 ^ Ptilotus polystachyus, Aristida holathera var. holathera, Eragrostis eriopoda, Triodia epactia, Corchorus sidoides subsp. sidoides\Ptilotus\shrub, other grass, tussock grass, herb\2\bc

A058

M1 ^ Hakea chordophylla, Acacia sclerosperma subsp. sclerosperma, Acacia dictyophleba, Acacia pruinocarpa, Anthobolus leptomerioides\Hakea\shrub\5\bc;M2+ ^ Triodia schinzii, Petalostylis labicheoides, Acacia bivenosa\Triodia\tussock grass, shrub\3l;G1 ^ Scaevola parvifolia subsp. parvifolia, Dicrasyllis cordifolia, Trianthema pilosa, Aristida holathera var. holathera, Bonamia rosea\Scaevola\shrub, herb, other grass\2\bi

A059

M1 ^ Acacia sclerosperma subsp. sclerosperma, Acacia dictyophleba, Acacia pachyacra, Acacia inaequilatera, Eucalyptus gamophylla\Acacia\shrub, tree\5\bc;M2 ^ Acacia ancistrocarpa, Grevillea wickhamii subsp. hispidula\Acacia\shrub\3\bc;G1+ ^ Triodia basedowii, Aristida holathera var. holathera, Ptilotus polystachyus, Corchorus sidoides subsp. sidoides, Cenchrus ciliaris\Triodia\tussock grass, other grass, herb\2\l

A060

U1 ^ Corymbia hamersleyana\Corymbia\tree\6\bc;M1 ^ Acacia inaequilatera, Acacia sclerosperma subsp. sclerosperma, Eucalyptus gamophylla, Hakea lorea subsp. lorea\Acacia\shrub\4\bc;M2 ^ Acacia ancistrocarpa, Aristida inaequiglumis, Atalaya hemiglauc, Senna glutinosa subsp. glutinosa\Acacia\shrub, other grass\3\bi;G1+ ^ Triodia basedowii, Bonamia rosea, Cenchrus ciliaris, Ptilotus astrolasius, Corchorus sidoides subsp. sidoides\Triodia\tussock grass, vine, other grass, herb\2\l

A061

M1 ^ Acacia inaequilatera, Acacia aneura, Hakea lorea subsp. lorea, Eucalyptus gamophylla, Acacia sclerosperma subsp. sclerosperma, Anthobolus leptomerioides\Acacia\shrub, tree, mallee tree\4\bc;M2 ^ Petalostylis labicheoides, Acacia ancistrocarpa, Aristida inaequiglumis\Petalostylis\shrub, other grass\3\bc;G1+ ^ Triodia basedowii, Bonamia rosea, Scaevola parvifolia subsp. parvifolia, Dicrasyllis cordifolia, Ptilotus polystachyus\Triodia\tussock grass, vine, shrub, herb\2\r

A062

U1 ^ Corymbia hamersleyana\Corymbia\tree\6\bc;M1 ^ Acacia pachyacra, Acacia sclerosperma subsp. sclerosperma, Hakea lorea subsp. lorea, Acacia tumida var. pilbarensis\Acacia\4\bc;M2+ ^ Triodia schinzii, Grevillea wickhamii subsp. hispidula, Petalostylis labicheoides\Triodia\tussock grass, shrub\3\l;G1 ^ Aristida holathera var. holathera, Trianthema pilosa, Dicrasyllis cordifolia, Eragrostis eriopoda, Bonamia rosea\Aristida\other grass, herb, vine\2\bc

A063

M1 ^ Hakea lorea subsp. lorea, Acacia dictyophleba, Acacia pachyacra\Hakea\shrub\4\bc;M2 ^ Petalostylis labicheoides, Acacia ancistrocarpa, Grevillea wickhamii subsp. hispidula, Triodia schinzii\Petalostylis\shrub, tussock grass\3\bc;G1+ ^ Triodia epactia, Eragrostis eriopoda, Trianthema pilosa, Dicrasyllis cordifolia, Scaevola parvifolia subsp. parvifolia\Triodia\tussock gras, herb, shrub\2\r

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A064

M1 ^ Acacia inaequilatera, Acacia pachyacra\Acacia\^shrub\4\bi;M2 ^ Acacia ancistrocarpa\Acacia\^shrub\3\bc;G1+ ^ Triodia basedowii, Dicrastylis cordifolia, Bonamia rosea, Gossypium australe, Ptilotus obovatus\Triodia\^tussock grass, shrub, vine\2\

A065

M1 ^Acacia pachyacra, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;G1+ ^ Triodia basedowii, Bonamia rosea, Dicrastylis cordifolia, Senna artemisioides subsp. oligophylla, Aristida contorta, Cleome viscosa\Triodia\^tussock grass, vine, other grass, herb\2\

A066

M1 ^ Acacia pachyacra, Hakea lorea subsp. lorea, Acacia dictyophleba, Acacia citrinoviridis\Acacia\^shrub\4\bc;M2 ^ Acacia ancistrocarpa, Triodia schinzii, Acacia synchronicia, Aristida inaequiglumis, Grevillea wickhamii subsp. hispidula\Acacia\^shrub, tussock grass, other grass\3\bc;G1+ ^ Triodia basedowii, Solanum lasiophyllum, Aristida holathera var. holathera, Senna artemisioides subsp. oligophylla, Bonamia rosea\Triodia\^tussock grass, other grass, shrub, vine\

A067

M1 ^Acacia inaequilatera, Hakea lorea subsp. lorea, Acacia dictyophleba, Acacia pachyacra\Acacia\^shrub\4\bi;M2 ^ Aristida inaequiglumis, Acacia ?sericophylla, Acacia sericophylla, Acacia ancistrocarpa\Aristida\^other grass, shrub\3\bc;G1+ ^ Triodia basedowii, Bonamia rosea, Indigofera monophylla, Aristida holathera var. holathera, Paraneurachne muelleri\Triodia\^tussock grass, vine\2r

A068

U1 ^Eucalyptus victrix\Eucalyptus\^tree\6\bc;M1+ ^Acacia pruinocarpa, Hakea lorea subsp. lorea, Acacia citrinoviridis\Acacia\^shrub\4r;M2 ^ Atalaya hemiglauca\Atalaya\^shrub\3\bc;G1 ^ Cenchrus ciliaris, Aerva javanica\Cenchrus\^other grass\2r

A069

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia pruinocarpa, Acacia inaequilatera, Acacia citrinoviridis, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;G1+ ^ Triodia epactia, Cenchrus ciliaris, Eragrostis eriopoda, Senna notabilis, Aristida holathera var. holathera\Triodia\^tussock grass, other grass, shrub\2r

A070

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^ Acacia pyrifolia var. ?morrisonii, Acacia elachantha, Acacia aneura\Acacia\^shrub, mallee shrub\4r;M2 ^ Gossypium robinsonii, Atalaya hemiglauca, Eremophila longifolia\Gossypium\^shrub\3\bi;G1+ ^ Cenchrus ciliaris, Triodia epactia, Eriachne helmsii, Chrysopogon fallax, Boerhavia coccinea\Cenchrus\^other grass, tussock grass, vine\2\

A071

M1 ^ Eucalyptus gamophylla, Hakea lorea subsp. lorea, Acacia inaequilatera\Eucalyptus\^tree, shrub\4\bc;M2 ^ Acacia ancistrocarpa, Acacia tetragonophylla, Aristida inaequiglumis\Acacia\^shrub,

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other grass\3\bi;G1+ ^ Triodia basedowii, Bonamia rosea, Corchorus sidoides subsp. sidoides, Dicrastylis cordifolia, Eragrostis eriopoda\Triodia\^tussock grass, herb, other grass\2\

A072

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^ Eucalyptus gamophylla, Acacia inaequilatera, Hakea lorea subsp. lorea, Anthobolus leptomerioides\Eucalyptus\^tree, shrub\4\;M2 ^ Petalostylis labicheoides, Acacia ancistrocarpa\Petalostylis\^shrub\3\bc;G1+ ^ Triodia basedowii, Bonamia rosea, Ptilotus astrolasius, Indigofera monophylla, Scaevola parvifolia subsp. parvifolia\Triodia\^tussock grass, herb, vine, shrub\2\

A073

M1 ^Acacia xiphophylla\Acacia\^shrub\4\bc;M2 ^ Acacia synchronicia\Acacia\^shrub\3\bc;G1+ ^ Goodenia prostrata, Salsola australis, Solanum lasiophyllum, Cleome viscosa, Dactyloctenium radulans\Goodenia\^herb, shrub\2bc

A074

M1+ ^Acacia aneura\Acacia\^mallee tree\6\;G1 ^ Bidens bipinnata, Abutilon lepidum, Bulbostylis barbata, Perotis rara, Psydrax latifolia\Bidens\^herb\2\

A075

M1 ^ Acacia aneura, Acacia xiphophylla, Vachellia farnesiana\Acacia\^mallee tree, shrub\5\;M2 ^ Acacia synchronicia, Acacia tetragonophylla\Acacia\^shrub\3\;G1+ ^ Cenchrus ciliaris, Salsola australis, Eragrostis eriopoda, Malvastrum americanum, Sporobolus australasicus\Cenchrus\^other grass\2\

A076

M1+ ^ Acacia aneura, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4\;M2 ^ Acacia tetragonophylla, Acacia synchronicia\Acacia\^shrub\3\;G1 ^ Chrysopogon fallax, Cenchrus ciliaris, Senna notabilis, Malvastrum americanum, Abutilon lepidum\Chrysopogon\^other grass, shrub\2\

A077

M1+ ^ Acacia aneura, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4\;M2 ^ Acacia tetragonophylla, Acacia synchronicia\Acacia\^shrub\3\;G1 ^ Chrysopogon fallax, Cenchrus ciliaris, Perotis rara, Eremophila lanceolata, Psydrax latifolia\Chrysopogon\^other grass, shrub\2\

A078

M1 ^ Acacia pachyacra, Acacia pruinocarpa\Acacia\^shrub\4\bi;M2 ^ Acacia synchronicia\Acacia\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Cleome viscosa, Salsola australis, Boerhavia coccinea, Senna notabilis\Cenchrus\^other grass, herb, vine, shrub\2\bc

A079

M1 ^Acacia aneura, Acacia pruinocarpa, Acacia citrinoviridis, Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4\;M2 ^ Acacia synchronicia\Acacia\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Salsola australis, Senna artemisioides subsp. oligophylla, Sporobolus australasicus, Triodia epactia\Cenchrus\^other grass, herb, shrub, tussock grass\2\



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A080

M1 ^ Acacia aneura, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4r; M2 ^ Acacia synchronicia\Acacia\^shrub\3r; G1+ ^ Cenchrus ciliaris, Triodia epactia, Chrysopogon fallax, Dysphania rhadinostachya, Abutilon lepidum\Cenchrus\^other grass, tussock grass, herb\2\

A081

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc; M1 ^ Acacia citrinoviridis, Acacia pruinocarpa, Acacia dictyophleba, Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\4r; M2 ^ Atalaya hemiglauca, Acacia synchronicia, Acacia tetragonophylla, Senna artemisioides subsp. oligophylla ? x helmsii\Atalaya\^shrub\3\bc; G1+ ^ Cenchrus ciliaris, Triodia epactia, Aerva javanica, Salsola australis, Senna notabilis\Cenchrus\^other grass, tussock grass, herb\2\

A082

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc; M1 ^ Acacia citrinoviridis, Acacia aneura, Hakea lorea subsp. lorea\Acacia\^shrub, mallee tree\4r; M2 ^ Acacia synchronicia, Acacia tetragonophylla, Senna artemisioides subsp. oligophylla ? x helmsii\Acacia\^shrub\3\bc; G1+ ^ Cenchrus ciliaris, Sclerolaena cornishiana, Triodia epactia, Cleome viscosa, Salsola australis\Cenchrus\^other grass, herb, tussock grass\2r

B001

M1 ^ Grevillea wickhamii subsp. hispidula, Acacia pachyacra\Grevillea\^shrub\4\bi; M2 ^ Tribulus suberosus, Senna artemisioides subsp. oligophylla, Senna glutinosa subsp. glutinosa\Tribulus\^shrub\3\bi; G1+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Fimbristylis simulans\Triodia\^tussock grass\1\

B002

U1 ^ Acacia tumida var. pilbarensis, Corymbia hamersleyana\Acacia\^tree\6\l; M1 ^ Eremophila longifolia Acacia bivenosa\Eremophila\^shrub\5r; G1+ ^ Triodia epactia, Eriachne mucronata, Senna artemisioides subsp. oligophylla, Paraneurachne muelleri\Triodia\^tussock grass\3c; G2 ^ Sida sp. Pilbara (A.A. Mitchell PRP 1543), Aristida holathera var. holathera, Hybanthus aurantiacus, Acacia pachyacra, Jasminum didymum subsp. lineare\Sida\^shrub\2\bi; G3 ^ Cleome viscosa, Paspalidium rarum, Trichodesma zeylanicum, Bonamia rosea, Acacia adoxa var. adoxa\Cleome\^shrub\1\bi

B003

U1 ^ Eucalyptus leucophloia\Eucalyptus\^tree\6\bc; M1 ^ Acacia bivenosa, Senna glutinosa subsp. glutinosa, Tribulus suberosus, Grevillea wickhamii subsp. hispidula, Ptilotus obovatus\Acacia\^shrub\3r; G1 ^ Triodia epactia, Sida sp. Pilbara (A.A. Mitchell PRP 1543), Senna glutinosa subsp. pruinosa\Triodia\^tussock grass\2\l; G2+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Eriachne mucronata, Fimbristylis simulans, Calytrix carinata, Eriachne pulchella subsp. dominii\Triodia\^tussock grass\1\l

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B004

M1 ^Grevillea wickhamii subsp. hispidula, Triodia epactia, Acacia sericophylla\Grevillea\shrub\3\;G1 ^Acacia adoxa var. adoxa, Calytrix carinata, Dicrastylis cordifolia, Corchorus lasiocarpus ?subsp. parvus, Petalostylis cassioides\Acacia\shrub\2\bc;G2+ ^Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Dampiera candidans, Eucalyptus leucophloia, Heliotropium tenuifolium, Scaevola parvifolia subsp. parvifolia\Triodia\tussock grass\1\

B005

U1 ^Corymbia hamersleyana, Acacia pyrifolia var. pyrifolia, Acacia sclerosperma subsp. sclerosperma\Corymbia\tree\6\; M1 ^Acacia sclerosperma subsp. sclerosperma, Acacia dictyophleba, Petalostylis cassioides, Acacia pachyacra, Gossypium robinsonii\Acacia\shrub\4\;M2 ^Themeda triandra\Themeda\other grass\3\bi;G1+ ^Triodia epactia, Cenchrus ciliaris, Gossypium australe, Paraneurachne muelleri, Cenchrus setiger\Triodia\tussock grass\2\;G2 ^Eriachne mucronata, Senna glutinosa subsp. pruinosa, Senna notabilis, Solanum lasiophyllum, Tribulus suberosus\Eriachne\other grass\1\bc

B006

U1 ^Corymbia hamersleyana\Corymbia\tree\6\bc;M1 ^Acacia pyrifolia var. pyrifolia, Acacia dictyophleba, Gossypium robinsonii\Acacia\shrub\4\bc;M2 ^Acacia sclerosperma subsp. sclerosperma, Gossypium australe, Acacia pachyacra, Atalaya hemiglauca, Acacia ?trudgeniana\Acacia\shrub\3\bc;G1 ^Acacia tumida var. pilbarensis, Corchorus sidoides subsp. sidoides, Acacia tetragonophylla, Paraneurachne muelleri, Aristida holathera var. holathera\Acacia\shrub\2\bi;G2+ ^Triodia epactia, Eriachne mucronata, Cenchrus ciliaris, Solanum lasiophyllum, Tribulus suberosus\Triodia\tussock grass\1\

B007

U1 ^Corymbia hamersleyana\Corymbia\tree\6\bc; G1+ ^Triodia epactia, Acacia ancistrocarpa, Acacia pruinocarpa, Themeda triandra\Triodia\tussock grass, shrub\3\;G2 ^Acacia pyrifolia var. pyrifolia, Aristida holathera var. holathera, Senna artemisioides subsp. helmsii, Tephrosia rosea var. glabrior, Paraneurachne muelleri\Acacia\shrub, other grass\2\bc;G3 ^Eragrostis eriopoda, Eriachne mucronata, Cenchrus ciliaris, Gossypium australe, Corchorus sidoides subsp. sidoides\Eragrostis\tussock grass\1\bc

B008

U1 ^Acacia inaequilatera, Acacia sclerosperma subsp. sclerosperma, Acacia pachyacra\Acacia\shrub\6\bi; M1 ^Hakea lorea subsp. lorea\Hakea\shrub\4\bi;G1+ ^Triodia epactia, Acacia pruinocarpa, Atalaya hemiglauca\Triodia\tussock grass, shrub\3\;G2 ^Cenchrus ciliaris, Eragrostis eriopoda, Senna artemisioides subsp. oligophylla, Tribulus suberosus, Ptilotus exaltatus var. exaltatus\Cenchrus\other grass\1\bc

B009

U1 ^Acacia citrinoviridis, Acacia pruinocarpa\Acacia\shrub\6\;M1 ^Santalum sp., Atalaya hemiglauca\Santalum\shrub\4\bc;G1+ ^Cenchrus ciliaris, Triodia epactia, Senna glutinosa subsp. glutinosa, Senna artemisioides subsp. helmsii\Cenchrus\other grass\2\;G2 ^Ptilotus obovatus,

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Corchorus sidoides subsp. sidoides, Ptilotus exaltatus var. exaltatus, Gomphrena affinis subsp. pilbarensis, Psydrax latifolia\Ptilotus\^shrub\1\bi

B010

U1 ^Acacia ?citrinoveridis, Acacia pruinocarpa\Acacia\^tree\6\;M1 ^Psydrax latifolia\Psydrax\^shrub\4\bi;M1 ^ Senna artemisioides subsp. helmsii\Senna\^shrub\3\bi;G1+ ^ Cenchrus ciliaris, Triodia epactia, Cenchrus setiger, Rhagodia eremaea, Enchylaena tomentosa\Cenchrus\^other grass, tussock grass\2\;G2 ^ Portulaca oleracea, Corchorus sidoides subsp. sidoides, Ptilotus obovatus, Gossypium australe, Cleome viscosa\Portulaca\^herb\1\bi

B011

U1 ^Acacia citrinoveridis, Acacia pruinocarpa\Acacia\^tree\6\;M1 ^Acacia pyrifolia var. pyrifolia, Rhagodia eremaea\Acacia\^shrub\3\bi;G1+ ^ Cenchrus ciliaris, Triodia epactia, Ptilotus obovatus, Cenchrus setiger\Cenchrus\^other grass, tussock grass\2\;G2 ^ Notoleptopus decaisnei, Polycarpea longiflora, Indigofera monophylla, Cleome viscosa, Solanum lasiophyllum\Notoleptopus\^shrub\1\bi

B012

U1 ^Acacia citrinoveridis, Acacia pruinocarpa\Acacia\^tree\6\;M1 ^ Eremophila longifolia, Rhagodia eremaea, Atalaya hemiglauca\Eremophila\^shrub\4\bc;G1+ ^ Cenchrus ciliaris, Triodia epactia\Cenchrus\^other grass, tussock grass\2\;G2 ^ Boerhavia coccinea, Cleome viscosa, Portulaca oleracea\Boerhavia\^herb\1\bi

B013

U1 ^Acacia citrinoveridis, Acacia pruinocarpa\Acacia\^tree\6\;M1 ^ Acacia coriacea subsp. pendens, Acacia sclerosperma subsp. sclerosperma, Acacia inaequilatera\Acacia\^shrub\4\bc;M2 ^ Triodia epactia, Acacia sclerosperma subsp. sclerosperma, Eremophila longifolia, Corchorus sidoides subsp. sidoides\Triodia\^tussock grass, shrub\3\bc;G1+ ^Cenchrus ciliaris, Atalaya hemiglauca, Sclerolaena cornishiana \Cenchrus\^other grass, shrub\2\;G2 ^Senna notabilis, Enchylaena tomentosa, Solanum lasiophyllum, Alternanthera nana\^shrub, herb\1\bi

B014

U1 ^Acacia pruinocarpa, Acacia citrinoveridis\Acacia\^tree\6\;M1 ^Triodia epactia, Atalaya hemiglauca, Corchorus sidoides subsp. sidoides\Triodia\^tussock grass, shrub\3\;G1+ ^Cenchrus ciliaris, Gomphrena affinis subsp. pilbarensis\Cenchrus\^other grass\2\;G2 ^Solanum lasiophyllum, Senna notabilis, Portulaca oleracea, Ptilotus obovatus, Cleome viscosa\Solanum\^shrub\1\bi

B015

U1 ^Acacia citrinoveridis, Acacia pruinocarpa\Acacia\^tree\6\; M1+ ^Triodia epactia, Eremophila longifolia\Triodia\^tussock grass, shrub\3\;G1 ^Cenchrus ciliaris, Cenchrus setiger, Senna artemisioides subsp. helmsii\Cenchrus\^other grass\2\;G2 ^Salsola australis, Senna notabilis, Ptilotus obovatus, Solanum lasiophyllum, Cleome viscosa\Salsola\^shrub\1\bi

B016

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia dictyophleba, Acacia citrinoveridis, Acacia pyrifolia var. pyrifolia\Acacia\^shrub\4\bi;M2+ ^Triodia epactia, Acacia sclerosperma var. sclerosperma,

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Acacia ancistrocarpa, Atalaya hemiglauca, Rulingia luteiflora\Triodia\^tussock grass\shrub\3\;G1  
^Cenchrus ciliaris, Cenchrus setiger, Enneapogon robustissimus, Notoleptopus decaisnei, Stylobasium  
spathulatum\Cenchrus\^other grass\2\;G2 ^Eragrostis eriopoda, Eriachne mucronata, Indigofera  
monophylla, Gossypium australe, Polycarpaea longiflora\Eragrostis\^tussock grass\1\bc

B017

U1 ^Corymbia hamersleyana, Acacia pruinocarpa, Hakea lorea subsp. lorea, Acacia  
citrinoviridis\Corymbia\^tree\6\;M1 ^Atalaya hemiglauca\Atalaya\^shrub\4\bi;G1+ ^Cenchrus ciliaris,  
Triodia epactia, Acacia inaequilatera, Rhagodia eremaea\Cenchrus\^other grass, tussock grass\2\

B018

U1 ^Acacia pruinocarpa\Acacia\^tree\7\bc; U2 ^Hakea lorea subsp. lorea, Atalaya hemiglauca, Acacia  
aneura\Hakea\^shrub, mallee shrub\6\bc;M1 ^Acacia citrinoviridis\Acacia\^shrub\4\bi;M2 Triodia epactia,  
Acacia dictyophleba\triodia\^tussock grass, shrub\3\bc;G1+ ^Cenchrus ciliaris, Acacia inaequilatera  
\Cenchrus\^other grass, shrub\2\;G2 ^Portulaca oleracea\Portulaca\^herb\1\bi

B019

U1 ^Eucalyptus victrix\Eucalyptus\^tree\7\;M1 ^Acacia pyrifolia var. pyrifolia, Stylobasium  
spathulatum\Acacia\^tree, shrub\5\bi;M2 ^Atalaya hemiglauca\Atalaya\^shrub\3\bi;G1+^Cenchrus setiger,  
Aerva javanica, Corchorus sidoides subsp. sidoides, Amaranthus undulatus, Cenchrus  
ciliaris\Cenchrus\^other grass, herb\2\;G2 ^Acacia citrinoviridis, Ptilotus obovatus, Polycarpaea longiflora,  
Gomphrena cunninghamii, Cleome viscosa\Acacia\^shrub, herb\1\bi

B020

U1 ^Corchorus crozophorifolius, Eucalyptus victrix\Corchorus\^tree\7\bc;U2 ^Corymbia  
hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia pyrifolia var. pyrifolia\Acacia\^shrub\4\bc;M2 ^Acacia  
citrinoviridis, Atalaya hemiglauca\Acacia\^shrub\3\bc;G1+ ^Cenchrus setiger, Cenchrus  
ciliaris\Cenchrus\^other grass\2\;G2 ^Acacia synchronicia, Ptilotus exaltatus var. exaltatus, Cleome  
viscosa\Acacia\^shrub, herb\1\bi

B021

U1 ^Eucalyptus victrix\Eucalyptus\^tree\7\;U2 ^Hakea lorea subsp. lorea\Hakea\^tree\6\bi;M1 ^Atalaya  
hemiglauca\Atalaya\^shrub\4\bi;G1+ ^Cenchrus setiger\Cenchrus\^other grass\2\c

B022

U1 ^Acacia citrinoviridis, Eucalyptus victrix\Acacia\^tree\7\;U2 ^Atalaya  
hemiglauca\Atalaya\^tree\6\bi;G1+ ^Cenchrus setiger\Cenchrus\^other grass\2\c

B023

U1 ^Eucalyptus victrix, Acacia citrinoviridis\Eucalyptus\^tree\7\;M1 ^Atalaya  
hemiglauca\Atalaya\^shrub\4\bi;G1+ ^Cenchrus setiger\Cenchrus\^other grass\2\;G2 ^Salsola  
australis\Salsola\^shrub\1\bi



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B024

M1 ^Acacia xiphophylla, Acacia aneura\Acacia^\shrub, mallee shrub\6r;M2 ^Santalum lanceolatum\Santalum^\shrub\5\bi;M3+ ^Maireana pyramidata, Acacia synchronicia, Eremophila youngii var. youngii, Scaevola spinescens, Acacia tetragonophylla\Maireana^\shrub\3\l;G1 ^Cenchrus ciliaris, Atriplex sp., Senna artemisioides subsp. oligophylla, ?Scaevola spinescens, Ptilotus exaltatus var. exaltatus\Cenchrus^\other grass, shrub\2r;G2 ^Poaceae sp., Senna artemisioides subsp. oligophylla, Sclerolaena densiflora, Enchylaena tomentosa, Cleome viscosa\Poaceae^\other grass\1\bi

B025

M1+ ^Melaleuca xerophila, Acacia aneura\Melaleuca^\tree, mallee tree\6r;M2 ^Acacia synchronicia, Eremophila youngii subsp. Lepidota, Melaleuca glomerata\Acacia^\tree, shrub\5\bc;M3 ^Acacia tetragonophylla, Atriplex amnicola\Acacia^\shrub\3r;G1 ^ ?Scaevola spinescens, Cenchrus ciliaris, Aeschynomene indica, Echinochloa colona, Eragrostis eriopoda\Scaevola^\shrub, other grass\3\bc;G2 ^ Eriachne benthamii, Eragrostis tenellula, Eragrostis ?setifolia, Malvastrum americanum, Cleome viscosa\Eriachne^\other grass\1\bc

B026

U1+ ^Melaleuca xerophila, Acacia xiphophylla\Acacia^\tree, shrub\6 r;M1 ^Acacia synchronicia, Senna glutinosa subsp. chatelainiana\Acacia^\shrub\5\bi;M2 ^Eremophila youngii subsp. lepidota, Eremophila forrestii ?subsp. forrestii\Eremophila^\shrub\3\bc;G1 ^Cenchrus ciliaris, Atriplex amnicola, Senna artemisioides subsp. helmsii, Cleome viscosa, Enteropogon ramosus\Cenchrus^\other grass, herb\2\bc;G2 ^ Dactyloctenium radulans, Atriplex codonocarpa, Sclerolaena cuneata, Portulaca oleracea, Boerhavia coccinea\ Dactyloctenium^\other grass, herb\1\bc

B027

M1+ ^Acacia xiphophylla, Acacia synchronicia, Scaevola spinescens, Eremophila forrestii ?subsp. forrestii\Acacia^\shrub\3\bc;G1 ^Maireana pyramidata, Enteropogon ramosus, Eragrostis tenellula, Solanum lasiophyllum, Enchylaena tomentosa\Maireana^\shrub\2\bc;G2 ^Sclerolaena cuneata, Trianthema triquetra, Portulaca oleracea, Cleome viscosa, Salsola australis\Sclerolaena^\herb, other grass\1\bc

B028

U1 ^Eucalyptus victrix\Eucalyptus^\tree\7\bc;U2 ^Acacia pruinocarpa\Acacia^\tree\6\bc;M1 ^Acacia pyrifolia var. pyrifolia, Atalaya hemiglauca\Acacia^\shrub\3\bc;G1+ ^Cenchrus setiger, Acacia citrinoviridis, Capparis spinosa, Aerva javanica, Boerhavia coccinea\Cenchrus^\other grass, shrub, herb\2\c

B029

U1 ^Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia^\tree\6r;M1 ^Acacia dictyophleba, Anthobolus leptomerioides\Acacia^\shrub\4r;M2 ^Acacia ancistrocarpa, Acacia pruinocarpa\Acacia^\shrub\3\bc;G1+ ^Triodia ?basedowii, \Triodia^\tussock grass\2\c;G2 ^ Senna notabilis\Senna^\shrub\1\bi

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B030

M1 ^Acacia inaequilatera, Acacia pruinocarpa\Acacia\^shrub\5\bc;M2 ^Acacia dictyophleba, Triodia epactia, Acacia synchronicia\Acacia\^shrub, tussock grass\3\bc;G1+ ^Triodia ?basedowii, Cenchrus ciliaris, Eragrostis eriopoda\Triodia\^tussock grass, other grass\2\

B031

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;U2 ^Acacia pruinocarpa, Hakea lorea subsp. lorea\Acacia\^tree\5\bc;M1 ^Acacia sclerosperma subsp. sclerosperma, Acacia aneura\Acacia\^shrub, mallee tree\5\bc;M2 ^Rhagodia eremaea, Acacia ?synchronicia, Atalaya hemiglauca\Rhagodia\^shrub\3\bc;G1+ ^Cenchrus setiger, Cenchrus ciliaris, Cucumis maderaspatanus\Cenchrus\^other grass, vine\2\bi

B032

M1 ^Acacia citrinoviridis, Acacia aneura\Acacia\^tree, mallee tree\6\bc;M2 ^Acacia ?synchronicia, Acacia inaequilatera\Acacia\^shrub\4\bc;G1+ ^Cenchrus ciliaris, Aerva javanica, Paraneurachne muelleri\Cenchrus\^other grass, herb\2\;G2 ^Salsola australis, Solanum lasiophyllum, Cleome viscosa, Boerhavia coccinea\Salsola\^shrub, herb\1\bc

B033

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia inaequilatera, Hakea lorea subsp. lorea, Acacia citrinoviridis, Acacia aneura, Acacia coriacea subsp. pendens\Acacia\^shrub\5\bc;M2 ^Acacia ancistrocarpa, Acacia pachyacra\Acacia\^shrub\3\bc;G1+ ^Triodia basedowii, Cenchrus ciliaris, Eragrostis eriopoda, Petalostylis cassioides, Acacia dictyophleba\Triodia\^tussock grass, other grass, shrub\2\;B2 ^Aristida holathera var. holathera, Bonamia rosea, Dicrastylis cordifolia, Cleome viscosa, Eriachne mucronata\Aristida\^other grass, herb\1\bc

B034

M1 ^Acacia pruinocarpa, Acacia sclerosperma subsp. sclerosperma, Acacia pachyacra\Acacia\^shrub\6\;G1+ ^Triodia epactia, Cenchrus ciliaris, Senna artemisioides subsp. oligophylla, Senna artemisioides subsp. helmsii, Solanum lasiophyllum\Triodia\^tussock grass, other grass, shrub\2\;G2 ^Aristida holathera subsp. holathera, Eragrostis eriopoda, Solanum lasiophyllum, Paraneurachne muelleri, Corchorus sidoides subsp. sidoides\Aristida\^other grass, herb\1\

B035

M1 ^Acacia pachyacra, Chrysopogon fallax, Acacia ?synchronicia\Acacia\^shrub\3\; G1+ ^Triodia epactia, Eragrostis eriopoda, Solanum lasiophyllum, Cenchrus ciliaris, Senna artemisioides subsp. helmsii\Triodia\^tussock grass, herb, shrub\2\;G2 ^Eragrostis tenellula, Senna notabilis, Corchorus sidoides subsp. sidoides, Aristida holathera var. holathera, Trianthema pilosa\Eragrostis\^other grass, shrub, herb\1\bc

B036

U1 ^Acacia citrinoviridis, Eucalyptus victrix, Corymbia hamersleyana\Acacia\^tree\7\;U2 ^Acacia pruinocarpa\Acacia\^tree\6\bc;M1 ^Hakea lorea subsp. lorea, Atalaya hemiglauca\Hakea\^shrub\4\bc;G1+

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^Cenchrus ciliaris, Aerva javanica, Duperreya commixta, Solanum lasiophyllum\Cenchrus\^other grass, herb\1\c

B037

U1 ^Acacia citrinoviridis, Acacia pruinocarpa, Eucalyptus victrix\Acacia\^tree\7\;M1 ^Hakea lorea subsp. lorea\Hakea\^shrub\5\bc;M2 ^Atalaya hemiglauca\Atalaya\^shrub\3\bi;G1+ ^Cenchrus ciliaris\Cenchrus\^other grass\1\

B038

U1 ^Acacia aneura, Acacia paraneura, Acacia citrinoviridis, Hakea lorea subsp. lorea\Acacia\^mallee tree, tree, shrub\6\;M1 ^Acacia pruinocarpa, Acacia pyrifolia var. pyrifolia\Acacia\^shrub\bc;M2 ^Acacia ancistrocarpa\Acacia\^shrub\3\bc;G1+ ^Cenchrus setiger, Solanum lasiophyllum, Acacia ?synchronicia, Senna artemisioides subsp. helmsii\Cenchrus\^other grass, shrub\2\;G2 ^Senna notabilis, Corchorus sidoides subsp. sidoides, Portulaca oleracea, Gossypium australe, Sclerolaena cornishiana\Senna\^shrub\1\bc

B039

U1 ^Acacia aneura, Acacia citrinoviridis, Acacia pruinocarpa\Acacia\^tree\7\;U2 ^Corymbia hamersleyana, Acacia paraneura, Hakea lorea subsp. lorea\Corymbia\^tree\6\bc;M1 ^Acacia pyrifolia var. pyrifolia, Acacia inaequilatera, Atalaya hemiglauca\Acacia\^shrub\5\bi;G1+ ^Cenchrus ciliaris, Ptilotus obovatus\Cenchrus\^other grass, herb\2\;G2 ^Abutilon lepidum, Boerhavia coccinea, Cucumis maderaspatanus, Gossypium australe\Abutilon\^shrub, vine\1\bc

B040

U1 ^Acacia inaequilatera, Acacia pruinocarpa, Hakea lorea subsp. lorea\Acacia\^tree\6\;M1+ ^Triodia epactia, Acacia citrinoviridis, Acacia ?synchronicia, Atalaya hemiglauca, Eremophila longifolia\Triodia\^tussock grass, shrub\3\;G1 ^Cenchrus ciliaris, Solanum lasiophyllum, Senna notabilis, Gossypium australe, Rhagodia eremaea\Cenchrus\^other grass, shrub\1\bc

B041

U1 ^Acacia citrinoviridis, Acacia pruinocarpa\Acacia\^tree\7\;M1 ^Hakea lorea subsp. lorea, Acacia pyrifolia var. pyrifolia, Acacia dictyophleba\Hakea\^shrub\4\bc;M2 ^Acacia aneura, Acacia inaequilatera, Atalaya hemiglauca\Acacia\^shrub\3\bc;G1+ ^Cenchrus ciliaris, Triodia epactia, Scaevola spinescens, Aerva javanica\Cenchrus\^other grass, tussock grass, shrub\2\;G2 ^Solanum lasiophyllum\Solanum\^shrub\1\bi

B042

U1+ ^Acacia aneura, Acacia citrinoviridis, Acacia pruinocarpa\Acacia\^tree\6\;M1 ^Acacia pyrifolia var. pyrifolia, Eremophila longifolia, Acacia paraneura\Acacia\^shrub\4\bc;G1 ^Cenchrus ciliaris, Psydrax latifolia, Atalaya hemiglauca, Boerhavia coccinea\Cenchrus\^other grass, shrub, vine\2\;G2 ^Abutilon lepidum, Malvastrum americanum\Abutilon\^shrub, other grass\1\bi

B043

M1+ ^Acacia sclerosperma subsp. sclerosperma, Acacia ?synchronicia, Acacia pruinocarpa, Corymbia hamersleyana\Acacia\^shrub, tree\6\;M1 ^Acacia tetragonophylla\Acacia\^shrub\3\bc;G1 ^ Senna

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artemisioides subsp. oligophylla, Solanum lasiophyllum\Senna\^shrub\2\bc;G2 ^Cenchrus ciliaris, Senna artemisioides subsp. helmsii, Salsola australis, Ipomoea muelleri, Senna notabilis\Cenchrus\^other grass, shrub, herb\1\

B044

U1+ ^Acacia pruinocarpa\Acacia\^tree\7\bc;U2 ^Acacia aneura, Acacia citrinoviridis\Acacia\^mallee tree, shrub\6\bc;M1 ^Acacia ?synchronicia, Acacia inaequilatera\Acacia\^shrub\3\bc;G1 ^Cenchrus ciliaris, Senna artemisioides subsp. helmsii, Senna notabilis, Salsola australis, Aerva javanica\Cenchrus\^other grass, shrub\1\bc

B045

U1 ^Acacia aneura\Acacia\^mallee tree\7\bc;U2 ^Acacia ?synchronicia, Acacia citrinoviridis, Acacia pruinocarpa\Acacia\^shrub\6\bc;M1 ^Acacia sclerosperma subsp. sclerosperma\Acacia\^shrub\3\bc;G1+ ^Cenchrus ciliaris, Senna artemisioides subsp. oligophylla, Acacia paraneura\Cenchrus\^other grass, shrub\1\bc;G2 ^Senna notabilis, Cleome viscosa, Portulaca oleracea\Senna\^shrub, herb\1\bc

B046

U1 ^Acacia ancistrocarpa, Acacia pachyacra\Acacia\^tree\7\bc;M1 ^Hakea lorea subsp. lorea\Hakea\^shrub\5\bc;G1+ ^Triodia basedowii, Acacia ?synchronicia, Cullen leucochaites\Triodia\^tussock grass, shrub\2\bc;G2 ^Bonamia rosea, Aristida holathera var. holathera, Dicrastyli cordifolia, Senna notabilis, Ptilotus polystachyus\Bonamia\^shrub, other grass\1\bc

B047

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia dictyophleba, Gossypium robinsonii\Acacia\^shrub\4\bc;M2 ^Acacia inaequilatera, Acacia tumida var. pilbarensis, Eremophila longifolia, Acacia pachyacra, Aristida inaequiglumis\Acacia\^shrub\3\bc;G1+ ^Cenchrus ciliaris, Triodia basedowii, Acacia spondylophylla, Grevillea wickhamii subsp. hispidula\Cenchrus\^other grass, tussock grass, shrub\2\bc;G2 ^Bonamia rosea, Gossypium australe, Hybanthus aurantiacus, Dicrastyli cordifolia, Cullen leucochaites, Eragrostis eriopoda\Bonamia\^shrub\1\bc

B048

M1 ^Acacia pruinocarpa, Hakea lorea subsp. lorea\Acacia\^tree\6\bc;M2 ^Acacia ?synchronicia, Acacia inaequilatera\Acacia\^shrub\4\bc;M3 ^Acacia ancistrocarpa, Acacia dictyophleba, Acacia citrinoviridis\Acacia\^shrub\3\bc;G1+ ^Cenchrus ciliaris, Chrysopogon fallax, Hybanthus aurantiacus, Sporobolus australasicus\Cenchrus\^other grass, shrub\2\bc

B049

U1 ^Hakea lorea subsp. lorea, Acacia adsurgens\hakea\^tree\6\bc;M1+ ^Triodia schinzii, Triodia basedowii, Acacia ancistrocarpa\Triodia\^tussock grass, shrub\3\bc;G1 ^Indigofera monophylla, Bonamia rosea, Scaevola parvifolia subsp. parvifolia\Indigofera\^shrub, vine\1\bc

B050

U1 ^Acacia tumida var. pilbarensis, Stylobasium spathulatum\Acacia\^tree, shrub\6\bc;M1+ ^Aristida inaequiglumis, Aristida inaequiglumis, Grevillea wickhamii subsp. hispidula, Chrysopogon fallax\Aristida\^shrub\3\bc;G1 ^Acacia dictyophleba, Indigofera monophylla, Tephrosia rosea var. glabrior,



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Corchorus sidoides subsp. sidoides, Euphorbia australis, Dampiera candidans\Acacia\^shrub\2\bi;G2  
^Cenchrus ciliaris, Cleome viscosa, Gossypium robinsonii\Cenchrus\^other grass, herb\1\r

B051

U1 ^ Corymbia hamersleyana, Acacia aneura\Corymbia\^tree\6\bc;M1 ^Stylobasium spathulatum, Acacia  
dictyophleba, Acacia ?synchronicia, Triodia longiceps\ Stylobasium\^shrub, tussock grass\3\bc;G1+ ^  
Cenchrus ciliaris, Gossypium australe, Solanum lasiophyllum\Cenchrus\^other grass, shrub\2\r;G2 ^  
Senna notabilis, Senna ?sp. Meekatharra (E. Bailey 1-26), Euphorbia boophthona, Aristida holathera var.  
holathera, Trianthema pilosa\Senna\^shrub\1\bc

B052

M1 ^ Acacia inaequilatera, Acacia ancistrocarpa, Acacia pruinocarpa, Eucalyptus  
gamophylla\Acacia\^shrub\4\bc;M2+ ^Triodia basedowii, Aristida inaequiglumis, Hakea lorea subsp.  
lorea, Acacia inaequilatera, Senna glutinosa subsp. glutinosa\Triodia\^tussock grass\shrub\3\r;G1 ^  
Aristida holathera var. holathera, Ptilotus exaltatus var. exaltatus, Solanum lasiophyllum, Sida sp. Pilbara  
(A.A. Mitchell PRP 1543), Acacia ?synchronicia\Aristida\^shrub\2\bc;G2 ^Bonamia rosea, Eragrostis  
eriopoda, Dicrasyli cordifolia, Indigofera monophylla, Dysphania kalpari\Bonamia\^vine, shrub, herb\1\bc

B053

M1 ^ Acacia inaequilatera, Acacia sclerosperma subsp. sclerosperma, Hakea lorea subsp. lorea, Acacia  
adsurgens\Acacia\^shrub\6\bc;M2 + ^Triodia basedowii, Acacia ancistrocarpa\Acacia\^shrub\4\bi;G1 ^  
Rhagodia eremaea, Eragrostis eriopoda, Ptilotus exaltatus var. exaltatus, Ptilotus  
polystachyus\Rhagodia\^shrub\2\bc;G2 ^ Aristida holathera var. holathera, Trianthema pilosa, Corchorus  
sidoides subsp. sidoides, Senna notabilis, Eriachne aristidea\Aristida\^other grass, herb\1\bi

B054

U1+ ^Acacia Aneura\Acacia\^mallee tree\6\r;M1 ^ Acacia ?synchronicia, Acacia sclerosperma subsp.  
sclerosperma, Ptilotus obovatus\Acacia\^shrub\3\r;G1 ^Cenchrus ciliaris, Cleome viscosa, Chrysopogon  
fallax, Maireana pyramidata, Dactyloctenium radulans\Cenchrus\^other grass, herb, shrub\1\bc

B055

M1 ^Acacia ?synchronicia\Acacia\^shrub\4\bc;G1+ ^ Atriplex amnicola, Maireana pyramidata, Cenchrus  
ciliaris\Atriplex\^shrub, other grass\2\r;G2 ^ Sclerolaena diacantha, Ptilotus obovatus var. obovatus,  
Centipeda minima, Sporobolus australasicus\^herb, shrub\1\bi

B056

M1+ ^ Acacia ?synchronicia, Eucalyptus ?leucophloia\Acacia\^shrub\4\r;G1 ^ Atriplex amnicola, Maireana  
pyramidata, Rhagodia eremaea, Acacia aneura, Eremophila longifolia\Atriplex\^shrub, mallee tree\2\r;G2  
^ Salsola australis, Sclerolaena cuneata, Sporobolus australasicus, Boerhavia coccinea, Ipomoea  
muelleri\Salsola\^shrub\vine\1\bc

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B057

M1+ ^Acacia ?synchronicia\Acacia^\shrub\3\bc;G1 ^ Atriplex amnicola, Ptilotus obovatus var. obovatus, Maireana pyramidata, Trianthesa triquetra\Atriplex^\shrub\2\bc;G2 ^ Cenchrus ciliaris, Salsola australis, Sclerolaena cuneata, Dactyloctenium radulans, Sclerolaena diacantha\Cenchrus^\other grass, shrub, herb\1\bc

B058

U1+ ^Acacia aneura\Acacia^\mallee tree\6\r;M1 ^Acacia ?synchronicia\Acacia^\shrub\4\r;M2 ^Acacia sclerosperma subsp. sclerosperma, Acacia tetragonophylla, Eremophila longifolia, Senna glutinosa subsp. ?, Chrysopogon fallax\Acacia^\shrub\3\bc;G1 ^Triodia basedowii, Solanum lasiophyllum, Gossypium australe\Triodia^\tussock grass, shrub\2\bc;G2 ^Cenchrus ciliaris, Eragrostis tenellula, Corchorus sidoides subsp. sidoides, Cleome viscosa, Indigofera monophylla\Cenchrus^\other grass, shrub, herb, vine\1\r

B059

U1 ^ Corymbia hamersleyana\Corymbia^\tree\6\bcM1 ^Chrysopogon fallax, Acacia ?synchronicia\Chrysopogon^\shrub\3\bi;G1+ ^Cenchrus ciliaris, Acacia paraneura, Senna glutinosa subsp. glutinosa x, Ipomoea muelleri\Cenchrus^\other grass, shrub, vine\2\r;G2 ^ Gossypium australe, Indigofera monophylla, Corchorus sidoides subsp. sidoides, Cleome viscosa, Salsola australis\Gossypium^\shrub, vine, herb\1\bi

B060

M1 ^ Corymbia hamersleyana, Acacia bivenosa\Corymbia^\tree, shrub\4\bi;M2 ^ Acacia ancistrocarpa, Tribulus suberosus, Acacia tumida var. pilbarensis, Grevillea wickhamii subsp. hispidula, Hakea lorea subsp. lorea\Acacia^\shrub\2\r;G1+ ^ Triodia basedowii, Acacia adoxa var. adoxa, Senna artemisioides subsp. oligophylla, Aristida holathera var. holathera, Cleome viscosa\Triodia^\tussock grass, shrub, herb\2\r;G2 ^ Ptilotus astrolasius, Mollugo molluginea, Bonamia rosea, Paraneurachne muelleri, Senna artemisioides subsp. helmsii^\shrub, vine\1\bc

B061

M1+ ^ Acacia tumida var. Pilbarensis, Grevillea wickhamii subsp. hispidula, Gossypium robinsonii\Acacia^\shrub\4\l; Triodia epactia, Acacia pyrifolia var. pyrifolia, Senna artemisioides subsp. oligophylla\Triodia^\tussock grass, shrub\3\r;G1 ^ Cenchrus ciliaris, Aristida holathera var. holathera, Santalum lanceolatum, Cleome viscosa\Cenchrus^\other grass, shrub, herb\2\r;G2 ^ Ptilotus exaltatus var. exaltatus, Boerhavia coccinea, Polycarpaea longiflora\Ptilotus^\shrub, vine\1\bc

B062

M1+ ^ Acacia tumida var. pilbarensis, Acacia inaequilatera, Acacia maitlandii, Acacia pachyacra, Acacia bivenosa\Acacia^\shrub\3\r;G1 ^ Ptilotus auriculifolius, Acacia adoxa var. adoxa, Solanum lasiophyllum, Ptilotus exaltatus var. exaltatus, Triodia basedowii\Ptilotus^\shrub, tussock grass\2\r;G2 ^ Triodia epactia, Heliotropium ? pachyphyllum, Aristida holathera var. holathera, Dysphania rhadinostachya subsp. rhadinostachya, Senna notabilis\triodia^\tussock grass, shrub\1\r

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

B063

U1 ^Eucalyptus leucophloia subsp. leucophloia\Eucalyptus\^tree\6\bc;M1 ^ Senna glutinosa subsp. x luerksenii, Acacia bivenosa, Acacia ancistrocarpa, Grevillea wickhamii subsp. hispidula, Senna glutinosa subsp. glutinosa\Senna\^shrub\3\bc;G1 ^ Senna artemisioides subsp. helmsii, Tribulus suberosus\Senna\^shrub\2\bi;G2+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Acacia citrinoviridis, Fimbristylis simulans, Polycarpaea holtzei\Triodia\^tussock grass, shrub,herb\1c

B064

M1 ^ Senna glutinosa subsp. glutinosa, Acacia pruinocarpa, Senna artemisioides subsp. helmsii, Senna glutinosa subsp. pruinosa\Senna\^shrub\3\bc;G1 ^ Acacia adoxa var. adoxa, Senna artemisioides subsp. oligophylla, Tribulus suberosus\Acacia\^shrub, other grass\2\bc;G2+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Fimbristylis simulans, Senna artemisioides subsp. helmsii\Triodia\^tussock grass, shrub\1c

B065

M1 ^ Grevillea wickhamii subsp. hispidula, Gossypium robinsonii, Acacia ancistrocarpa, Acacia pruinocarpa\Grevillea\^shrub\5\bc;M2 ^ Senna artemisioides subsp. oligophylla, Indigofera monophylla, Acacia citrinoviridis, Themeda triandra, Senna glutinosa subsp. glutinosa\Senna\^shrub\3\bc;G1+ ^ Triodia epactia, Euphorbia australis, Ptilotus obovatus\Triodia\^tussock grass, shrub\2\bc;G2 ^ Eriachne mucronata, Paraneurachne muelleri, Ptilotus exaltatus var. exaltatus\Eriachne\^other grass\herb\1\bc

B066

U1 ^Corymbia hamersleyana\Corymbia\^tree\7\bc;M1 ^Acacia dictyophleba, Hakea lorea subsp. lorea\Acacia\^shrub\6\bc;G1+ ^ Triodia epactia, Triodia schinzii, Scaevola spinescens, Senna artemisioides subsp. oligophylla, Rhagodia eremaea\Triodia\^tussock grass, shrub\2\bc;G2 ^ Acacia inaequilatera, Dicrasyllis cordifolia, Eragrostis eriopoda, Acacia adoxa var. adoxa, Eriachne mucronata\Acacia\^shrub, other grass\1\bc

B067

M1 ^ Eucalyptus leucophloia subsp. leucophloia\Eucalyptus\^tree\6\bc;M2 ^Acacia bivenosa\Acacia\^shrub\5\bc;M3 ^ Senna glutinosa subsp. pruinosa, Senna glutinosa subsp. x luerksenii, Eremophila jucunda subsp. pulcherrima, Cenchrus setiger\Senna\^shrub, other grass\3\bc;G1 ^ Triodia epactia, Senna glutinosa subsp. glutinosa\Triodia\^tussock grass, shrub\2\bc;G2+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Eriachne mucronata, Eriachne aristidea, Fimbristylis simulans, Senna notabilis\Triodia\^tussock grass, other grass, shrub\1\bc

B068

M1+ ^ Triodia schinzii, Acacia dictyophleba, Acacia pachyacra, Grevillea wickhamii subsp. hispidula, Acacia bivenosa\Triodia\^tussock grass, shrub\3\bc;G1 ^ Senna artemisioides subsp. oligophylla, Dicrasyllis cordifolia, Eragrostis eriopoda, Hybanthus aurantiacus\Senna\^shrub\2\bc;G2 ^ Eriachne aristidea, Corchorus sidoides subsp. sidoides, Senna notabilis, Aristida holathera var. holathera, Cenchrus ciliaris\Eriachne\^other grass,shrub\1\bc

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B069

U1 ^ *Corymbia hamersleyana*\Corymbia\^tree\6\bc;M1 ^ *Grevillea wickhamii* subsp. *hispidula*, *Acacia tumida* var. *pilbarensis*\Grevillea\^shrub\4\bc;M2 ^ *Acacia pachyacra*, *Senna glutinosa* subsp. *glutinosa*, *Triodia epactia*\Acacia\^shrub, tussock grass\3\bc;G1 ^ *Trachymene oleracea* subsp. *oleracea*, *Senna artemisioides* subsp. *oligophylla*\Trachymene\^herb, shrub\2\bi;G2+ ^ *Triodia* sp. Shovelanna Hill (S. van Leeuwen 3835), *Cleome viscosa*, *Mollugo molluginea*, *Fimbristylis simulans*, *Polycarpaea holtzei*\Triodia\^tussock grass, herb, shrub\1\bc

B070

U1 ^ *Senna glutinosa* subsp. *pruinosa*\Senna\^tree\7\bi;M1 ^ *Grevillea wickhamii* subsp. *hispidula*, *Eucalyptus leucophloia* subsp. *leucophloia*\Grevillea\^shrub\bc;G1 ^ *Tribulus suberosus*, *Ptilotus calostachyus*, *Aristida holathera* var. *holathera*\Tribulus\^shrub\2\bi;G2+ ^ *Triodia* sp. Shovelanna Hill (S. van Leeuwen 3835), *Fimbristylis simulans*, *Senna notabilis*\Triodia\^tussock grass, shrub\1\bc

B071

M1+ ^ *Grevillea wickhamii* subsp. *hispidula*, *Acacia inaequilatera*, *Stylobasium spathulatum*\Grevillea\^shrub\4\bc;M2 ^ *Senna glutinosa* subsp. *glutinosa*, *Triodia epactia*, *Senna glutinosa* subsp. *pruinosa*\Senna\^shrub, tussock grass\3\bc;G1 ^ *Triodia* ? *basedowii*, *Acacia adoxa* var. *adoxo*, *Ptilotus calostachyus*, *Dicrastylis cordifolia*, *Aristida holathera* var. *holathera*\Triodia\^tussock grass, shrub, other grass\2\bc;G2 ^ *Fimbristylis simulans*, *Mollugo molluginea*, *Polycarpaea longiflora*, *Senna notabilis*, *Trianthema glossostigma*\Fimbristylis\^shrub, herb\1\bi

B072

M1+ ^ *Petalostylis cassioides*, *Grevillea wickhamii* subsp. *hispidula*, *Acacia tumida* var. *pilbarensis*\Petalostylis\^shrub\4\bc;M2 ^ *Triodia epactia*, *Stylobasium spathulatum*, *Hakea chordophylla*, *Acacia pachyacra*, *Senna glutinosa* subsp. *glutinosa*\Triodia\^tussock grass, shrub\3\bc;G1 ^ *Triodia* ? *basedowii*, *Acacia adoxa* var. *adoxo*, *Senna artemisioides* subsp. *oligophylla*, *Aristida holathera* var. *holathera*, *Cleome viscosa*\Triodia\^tussock grass, shrub, herb, other grass\2\bc;G2 ^ *Tephrosia rosea* var. *glabrior*, *Mollugo molluginea*, *Scaevola parvifolia* subsp. *parvifolia*, *Acacia maitlandii*, *Eriachne mucronata*\Tephrosia\^shrub, herb, other grass\1\bc

B073

M1 ^ *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* subsp. *hispidula*, *Acacia pyrifolia* var. *pyrifolia*, *Corymbia hamersleyana*\Acacia\^shrub, tree\6\bc;M2 ^ *Gossypium robinsonii*\Gossypium\^shrub\4\bc;M3 ^ *Triodia epactia*, *Petalostylis cassioides*, *Themeda triandra*\Triodia\^tussock grass, shrub, other grass\3\bc;G1+ ^ *Cenchrus ciliaris*, *Cleome viscosa*, *Hybanthus aurantiacus*, *Stylobasium spathulatum*, *Paraneurachne muelleri*\Cenchrus\^other grass, herb, shrub\2\bc;G2 ^ *Bonamia rosea*, *Eragrostis eriopoda*, *Senna notabilis*, *Mollugo molluginea*, *Yakirra australiensis*\Bonamia\^shrub, herb\1\bc

B074

U1 ^ *Corymbia hamersleyana*, *Acacia pruinocarpa*\Corymbia\^tree\6\bc;M1 ^ *Acacia ancistrocarpa*, *Acacia inaequilatera*, *Atalaya hemiglauca*, *Acacia dictyophleba*\Acacia\^shrub\4\bc;M2 ^ *Acacia pachyacra*, *Acacia citrinoviridis*\Acacia\^shrub\3\bc;G1+ ^ *Triodia epactia*, *Cenchrus ciliaris*, *Senna artemisioides* subsp. *helmsii*, *Corchorus sidoides* subsp. *sidoides*, *Cleome viscosa*\Triodia\^tussock grass, other grass,



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shrub, herb\2r;G2 ^ Eragrostis eriopoda, Gomphrena cunninghamii, Senna notabilis\Eragrostis\^other grass, herb, shrub\1\bc

B075

U1 ^ Acacia pachyacra\Acacia\^shrub\6\bc;M1 ^ Petalostylis cassioides, Grevillea wickhamii subsp. hispidula\Petalostylis\^shrub\4\bc;G1+ ^ Triodia epactia, Dicrastylis cordifolia, Cleome viscosa\Triodia\^tussock grass, shrub, herb\2\c;G2 ^ Aristida holathera var. holathera, Senna notabilis, Yakirra australiensis, Velleia panduriformis, Scaevola parvifolia subsp. parvifolia\Aristida\^other grass, herb\1\bc

B076

U1 ^Acacia tumida var. pilbarensis, Acacia pyrifolia var. pyrifolia, Eucalyptus gamophylla\Acacia\^shrub, tree\6r;M1 ^ Stylobasium spathulatum, Grevillea wickhamii subsp. hispidula, Gossypium robinsonii, Petalostylis cassioides, Acacia maitlandii\Stylobasium\^shrub\4\bc;M2 ^ Triodia epactia, Senna artemisioides subsp. oligophylla, Gossypium australe, Acacia arida\Triodia\^tussock grass, shrub\3r;G1+ ^ Cenchrus ciliaris, Acacia spondylophylla, Ptilotus obovatus, Corchorus sidoides subsp. sidoides, Hybanthus aurantiacus\Cenchrus\^other grass, shrub\2\l;G2 ^ Cleome viscosa, Ptilotus exaltatus var. exaltatus, Euphorbia biconvexa, Polycarpaea longiflora, Eriachne aristidea\Cleome\^herb\1\bi

B077

M1 ^Hakea lorea subsp. lorea\Hakea\^shrub\4\bi;M2 ^ Grevillea wickhamii subsp. hispidula, Acacia pyrifolia var. pyrifolia, Senna glutinosa subsp. pruinosa\Grevillea\^shrub\3\bc;G1 ^ Ptilotus calostachyus\Ptilotus\^herb\2\bc;G2+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Triodia epactia, Fimbristylis simulans, Indigofera monophylla, Dysphania rhadinostachya subsp. rhadinostachya\Triodia\^tussock grass, shrub\1r

B078

M1 ^ Acacia pyrifolia var. pyrifolia\Acacia\^shrub\4\bc;M2 ^ Senna glutinosa subsp. glutinosa, Acacia ?synchronica\Senna\^shrub\3\bi;G1 ^ Ptilotus exaltatus var. exaltatus, Ptilotus calostachyus, Grevillea wickhamii subsp. hispidula, Keraudrenia nephrosperma, Senna artemisioides subsp. oligophylla\Ptilotus\^herb, shrub\2\bc;G2+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835), Solanum lasiophyllum, Triodia epactia, Acacia adoxa var. adoxa, Corchorus lasiocarpus ?subsp. parvus\Triodia\^tussock grass, shrub, herb\1r

B079

M1 ^ Acacia tumida var. pilbarensis, Acacia pyrifolia var. pyrifolia, Atalaya hemiglauca, Gossypium robinsonii, Hakea chordophylla\Acacia\^shrub\3r;G1+ ^ Senna artemisioides subsp. oligophylla, Triodia epactia, Grevillea wickhamii subsp. hispidula, Tephrosia rosea var. glabrior, Aristida holathera var. holathera\Senna\^shrub, tussock grass, other grass\2\l;G2 ^ Indigofera monophylla, Eriachne mucronata, Gomphrena cunninghamii, Petalostylis cassioides, Cleome viscosa\Indigofera\^shrub, other grass, herb\1\bc

B080

M1 ^ Grevillea wickhamii subsp. hispidula, Acacia ?synchronica, Hakea lorea subsp. lorea\Grevillea\^shrub\4\bc;G1 ^ Senna artemisioides subsp. helmsii, Ptilotus calostachyus, Senna

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glutinosa subsp. pruinosa\Senna\shrub\2\bc;G2+ ^ Triodia sp. Shovelanna Hill (S. van Leeuwen 3835),  
Fimbristylis simulans\Triodia\tussock grass, shrub\1\

B081

U1 ^ Corymbia hamersleyana\Corymbia\tree\7\bc;M1 ^ Acacia sclerosperma subsp. sclerosperma,  
Acacia pruinocarpa, Acacia pachyacra\Acacia\shrub\4\bc;M2+ ^ Triodia epactia, Acacia ancistrocarpa,  
Acacia inaequilatera, Acacia citrinoviridis, Acacia ?synchronicia\Triodia\tussock grass, shrub\3\bc;G1 ^  
Grevillea wickhamii subsp. hispidula, Indigofera monophylla, Senna artemisioides subsp.  
oligophylla\Grevillea\shrub\2\bc;G2 ^ Cleome viscosa\Cleome\herb\1\bi

B082

M1 ^ Acacia pachyacra, Hakea lorea subsp. lorea, Acacia pruinocarpa\Acacia\shrub\4\bc;M2 ^ Acacia  
dictyophleba, Chrysopogon fallax\Acacia\shrub\3\bc;G1+ ^ Triodia epactia, Eragrostis eriopoda,  
Gossypium australe, Corchorus sidoides subsp. sidoides\Triodia\tussock grass, other grass,  
shrub\2\bc;G2 ^ Cenchrus ciliaris, Aristida holathera var. holathera, Euphorbia biconvexa, Solanum  
lasiophyllum, Senna notabilis\Cenchrus\other grass, shrub, herb\1\bi

B083

M1 ^ Acacia sclerosperma subsp. sclerosperma, Acacia sclerosperma subsp. sclerosperma, Acacia  
inaequilatera, Acacia ?synchronicia, Acacia pruinocarpa\Acacia\shrub\4\bc;M2 ^ Acacia synchronicia,  
Hakea lorea subsp. lorea\Acacia\shrub\3\bc;G1+ ^ Cenchrus ciliaris, Senna artemisioides subsp.  
oligophylla\Cenchrus\other grass, shrub\2\bc

B084

U1 ^ Acacia pruinocarpa\Acacia\tree\6\bc;M1 ^ Acacia dictyophleba, Acacia ancistrocarpa, Grevillea  
wickhamii subsp. hispidula\Acacia\shrub\4\bc;M2+ ^ Triodia basedowii, Chrysopogon fallax, Acacia  
tumida var. pilbarensis, Acacia citrinoviridis\Triodia\tussock grass\3\bc;G1 ^ Cenchrus ciliaris, Acacia  
spondylophylla, Polycarpaea longiflora, Eragrostis tenellula, Euphorbia biconvexa\Cenchrus\1\bc

B085

U1 ^ Acacia pruinocarpa\Acacia\tree\6\bc;M1 ^ Corymbia hamersleyana, Atalaya  
hemiglauca\Corymbia\tree, shrub\5\bc;M2 ^ Acacia pyrifolia var. pyrifolia, Ptilotus obovatus, Eucalyptus  
victrix\Acacia\shrub\3\bc;G1 ^ Solanum lasiophyllum, Corchorus sidoides subsp. sidoides, Triodia  
epactia\Solanum\shrub\2\bi;G2+ ^ Cenchrus ciliaris, Tribulus ?occidentalis\Cenchrus\other grass,  
herb\1\bc

B086

U1+ ^ Acacia pruinocarpa\Acacia\tree\7\bc;M1 ^ Acacia citrinoviridis, Hakea lorea subsp.  
lorea\Acacia\shrub\4\bc;G1 ^ Cenchrus ciliaris\cenchrus\other grass\2\bc

B087

U1 ^ Corymbia hamersleyana\Corymbia\tree\6\bc;M1 ^ Acacia dictyophleba, Acacia  
inaequilatera\Acacia\shrub\4\bc;M2 ^ Rhagodia eremaea, Acacia citrinoviridis, Acacia  
synchronicia\rhagodia\shrub\3\bc;G1+ ^ Triodia basedowii, Cenchrus ciliaris\Triodia\tussock grass,

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other grass\2\;G2 ^ Eragrostis eriopoda, Ptilotus obovatus var. obovatus, Solanum lasiophyllum, Aristida holathera var. holathera, Ptilotus exaltatus var. exaltatus\Eragrostis\^other grass, shrub, herb\1\bc

B088

U1 ^ Corymbia hamersleyana\Corymbia\^tree\7\bc;U2 ^ Acacia citrinoviridis, Acacia pruinocarpa\Acacia\^tree, shrub\6\bc;M1 ^ Acacia dictyophleba, Acacia synchronicia, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^ Acacia aneura, Atalaya hemiglauca\Acacia\^mallee tree, shrub\3\bi;G1+ ^ Cenchrus ciliaris, Solanum lasiophyllum, Grevillea wickhamii subsp. hispidula, Senna artemisioides subsp. oligophylla, Boerhavia coccinea\Cenchrus\^other grass, shrub, vine\2\

B089

M1 ^Acacia inaequilatera\Acacia\^shrub\4\bi;M2 ^ Acacia dictyophleba, Senna artemisioides subsp. helmsii, Acacia ancistrocarpa\Acacia\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Triodia basedowii, Triodia epactia, Eragrostis eriopoda\^other grass, tussock grass\2\

B090

U1 ^ Corymbia hamersleyana\Corymbia\^tree\7\bc;M1 ^ Acacia citrinoviridis, Acacia synchronicia, Acacia inaequilatera, Acacia dictyophleba\Acacia\^shrub\4\bc;M2 ^ Hakea lorea subsp. lorea\Hakea\^shrub\3\bi;G1+ ^ Cenchrus ciliaris\Cenchrus\^other grass\2r;G2 ^Cenchrus setiger, Solanum lasiophyllum, Cleome viscosa, Salsola australis, Sclerolaena cornishiana\Cenchrus\1\bc

B091

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bi;M1 ^ Acacia pachyacra, Acacia sericophylla\Acacia\^shrub\4\bc;M2 ^ Aristida inaequiglumis, Senna artemisioides subsp. oligophylla, Acacia inaequilatera\Aristida\^other grass, shrub\3\bc;G1+ ^ Cenchrus ciliaris, Eragrostis eriopoda, Solanum lasiophyllum, Eremophila longifolia, Corchorus sidoides subsp. sidoides\Cenchrus\^other grass, shrub, herb\2\;G2 ^ Aristida holathera var. holathera, Acacia pruinocarpa, Senna notabilis, Boerhavia coccinea\Aristida\^other grass, shrub, vine\1\bc

B092

U1+ ^Acacia pruinocarpa, Corymbia hamersleyana\Acacia\^tree\6r;M1 ^ Acacia synchronicia, Hakea lorea subsp. lorea, Acacia inaequilatera, Acacia citrinoviridis\Acacia\^shrub\4\bc;G1 ^ Cenchrus ciliaris, Aerva javanica\Cenchrus\^other grass\2r

B093

U1 ^ Eucalyptus leucophloia, Acacia aneura \Eucalyptus\^tree, mallee tree\6r;M1+ ^ Acacia synchronicia, Melaleuca glomerata, Acacia tetragonophylla\Acacia\^ shrub\4r;M2 ^ Eremophila forrestii ?subsp. forrestii, Chrysopogon fallax\Eremophila\^shrub\3\bi;G1 ^ Maireana pyramidata, Rhagodia eremaea, Ptilotus obovatus var. obovatus, Scaevola spinescens, Solanum lasiophyllum\Maireana\^shrub\2\bc;G1+ ^ Cenchrus ciliaris, Atriplex amnicola, Enteropogon ramosus, Ptilotus obovatus, Cleome viscosa\Cenchrus\^other grass, shrub, herb\1r

B094

U1+ ^ Acacia aptaneura\Acacia\^tree\7r;M1 ^ Acacia tetragonophylla, Vachellia farnesiana\Acacia\^shrub\6r;M2 ^ Acacia synchronicia, Eremophila longifolia, Aristida

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inaequiglumis\Acacia\shrub, other grass\3\bc;G1 ^ Cleome viscosa, Eriachne flaccida, Solanum lasiophyllum, Cenchrus ciliaris\Cleome\herb, other grass, shrub\2\bc;G2 ^ Eragrostis tenellula, Eriachne flaccida, Senna artemisioides subsp. helmsii, Ptilotus gomphrenoides, Streptoglossa ?decurrens\Eragrostis\other grass, herb\1\bi

B095

U1+ ^ Acacia aptaneura\Acacia\tree\7\c;M1 ^ Psydrax latifolia\Psydrax\shrub\6\bc;M2 ^ Acacia xiphophylla, Acacia tetragonophylla, Acacia synchronicia\Acacia\4\c;G1 ^ Ptilotus obovatus, Cenchrus ciliaris, Enteropogon ramosus\Ptilotus\shrub, other grass\2\c;G2 ^ Eragrostis tenellula, Ptilotus macrocephalus, Eremophila ?latrobei, Blumea tenella, Cheilanthes sieberi subsp. sieberi\Eragrostis\other grass, shrub, herb\1\bi

B096

U1+ ^ Acacia aptaneura, Acacia tetragonophylla, Acacia synchronicia, Atalaya hemiglauca\Acacia\tree, shrub\6\c;M1 ^ Acacia synchronicia\Acacia\shrub\4\bc;M2 ^ Ptilotus obovatus, Enchylaena tomentosa, Aristida inaequiglumis, Scaevola spinescens\Ptilotus\shrub, other grass\3\bc;G1 ^ Cenchrus ciliaris, Eriachne flaccida, Rhagodia eremaea, Solanum lasiophyllum\Cenchrus\other grass, shrub\2\c;G2 ^ Eragrostis tenellula, Aristida holathera var. holathera, Cleome viscosa, Blumea tenella, Senna notabilis\Eragrostis\other grass, herb, shrub\1\bc

B097

M1+ ^ Acacia synchronicia, Acacia xiphophylla\Acacia\shrub\6\c;M2 ^ Rhagodia eremaea, Acacia tetragonophylla, Scaevola spinescens, Eremophila forrestii ?subsp. forrestii\Rhagodia\shrub\3\bc;G1 ^ Cenchrus ciliaris, Ptilotus obovatus, Ptilotus obovatus var. obovatus, Maireana pyramidata\Cenchrus\other grass, shrub\2\bc;G2 ^ Solanum lasiophyllum, Trianthema triquetra, Sclerolaena cuneata, Enchylaena tomentosa, Eragrostis tenellula\shrub, herb, other grass\1\bc

B098

M1+ ^Acacia xiphophylla, Acacia synchronicia\Acacia\shrub\4\c;G1 ^ Rhagodia eremaea\Rhagodia\shrub\2\bi;G2 ^ Enchylaena tomentosa, Sclerolaena cuneata, Eragrostis tenellula\shrub, herb, other grass\1\bc

B099

U1 ^ Acacia aptaneura, Eucalyptus victrix\Acacia\tree\7\bc;M1 ^ Acacia tetragonophylla\Acacia\shrub\6\c;M2 ^ Vachellia farnesiana\Vachellia\shrub\6\bc;M3+ ^ Aristida inaequiglumis, Chrysopogon fallax, Hakea lorea subsp. lorea, Rhagodia eremaea\Aristida\other grass, shrub\3\c;G1 ^ Acacia synchronicia\Acacia\shrub\2\bc;G2 ^ Boerhavia coccinea, Cenchrus ciliaris, Senna artemisioides subsp. helmsii, Malvastrum americanum, Ipomoea muelleri\Boerhavia\vine, other grass, shrub, herb\1\bc

A040

M1 ^Eucalyptus gamophylla, Acacia sclerosperma subsp. sclerosperma\Eucalyptus\tree, shrub\5\c;M2 ^Petalostylis labicheoides, Stylobasium spathulatum\Petalostylis\shrub\3\c;G1+ ^Triodia basedowii, Ptilotus astrolasius, Bonamia rosea, Eragrostis eriopoda, Scaevola parvifolia subsp. parvifolia\Triodia\tussock grass, shrub, vine, other grass\2\c



## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

A041

M1 ^Acacia sclerosperma subsp. sclerosperma, Acacia inaequilatera, Eucalyptus gamophylla, Hakea lorea subsp. lorea\Acacia\4\bc;M2 ^Stylobasium spathulatum\Stylobasium\3\bc;G1+ ^Triodia basedowii, Ptilotus astrolasius, Scaevola parvifolia subsp. parvifolia, Eragrostis eriopoda, Bonamia rosea\Triodia\tussock grass, shrub, other grass, vine\2\r

A042

M1 ^Acacia aneura, Vachellia farnesiana, Acacia sclerosperma subsp. sclerosperma, Hakea lorea subsp. lorea\Acacia\^mallee shrub, shrub\4\r;M2 ^Acacia synchronicia, Scaevola spinescens, Eremophila forrestii ?subsp. forrestii, Senna artemisioides subsp. oligophylla x helmsii, Senna glutinosa subsp. chatelainiana\Acacia\^shrub\3\r;G1+ ^Cenchrus ciliaris, Chrysopogon fallax, Euphorbia australis, Ipomoea muelleri, Psydrax latifolia\Cenchrus\^other grass, shrub, vine\2\r

A043

M1 ^Acacia aneura, Aerva javanica\Acacia\Mallee shrub, other grass\4\bi;M2 ^Acacia synchronicia, Maireana pyramidata, Scaevola spinescens, Rhagodia eremaea, Eremophila forrestii ?subsp. forrestii\Acacia\^shrub\3\r;G1 ^Cenchrus ciliaris, Triodia basedowii, Boerhavia coccinea, Chrysopogon fallax, Atriplex ?amnicola\Cenchrus\^other grass, tussock grass, vine, shrub, herb\2\r

A044

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia pachyacra, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^Acacia ancistrocarpa\Acacia\^shrub\3\bi;G1+ ^Triodia epactia, Eragrostis eriopoda, Aristida contorta, Trianthema pilosa, Paraneurachne muelleri\Triodia\tussock grass, other grass, herb\2\r

A045

M1 ^Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^Senna artemisioides subsp. oligophylla x helmsii, Aristida inaequiglumis\Senna\^shrub, other grass\3\bi;G1+ ^Triodia epactia, Eragrostis eriopoda, Paraneurachne muelleri, Aristida contorta, Trianthema pilosa\Triodia\tussock grass, other grass, herb\2\r

A046

U1 ^Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia sclerosperma subsp. sclerosperma, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^Scaevola spinescens, Atalaya hemiglauca\Scaevola\^shrub\3\bc;G1+ ^Triodia epactia, Cenchrus ciliaris, Chrysopogon fallax, Senna artemisioides subsp. oligophylla, Eragrostis eriopoda\Triodia\tussock grass, other grass, shrub\2\r

A047

U1 ^Eucalyptus victrix\Eucalyptus\^tree\6\bc;M1 ^Acacia citrinoviridis, Acacia elachantha, Acacia pyrifolia var. pyrifolia\Acacia\^shrub\6\r;M2 ^Corchorus crozophorifolius, Atalaya hemiglauca, Acacia ?coriacea subsp. pendens, Gossypium robinsonii\Corchorus\^shrub\3\bc\G1 ^Cenchrus ciliaris, Gomphrena cunninghamii, Triodia epactia, Boerhavia coccinea, Duperreya commixta\Cenchrus\^other grass, tussock grass, vine, herb\2\r

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

A048

U1 ^ Eucalyptus victrix\Eucalyptus\^tree\6\;M1 ^ Acacia citrinoviridis, Acacia pyrifolia var. pyrifolia\Acacia\^shrub\4\;M2 ^ Acacia ?coriacea subsp. pendens, Atalaya hemiglauca, Gossypium robinsonii\Acacia\^shrub\3\bc;G1+ ^ Corchorus crozophorifolius, Indigofera monophylla, Amaranthus undulatus, Cenchrus ciliaris, Tephrosia rosea var. glabrior\Corchorus\^shrub, vine, other grass\2\

A049

M1 ^Acacia pruinocarpa, Acacia sclerosperma subsp. sclerosperma, Acacia citrinoviridis, Acacia inaequilatera\Acacia\^shrub\4\bc;M2 ^ Atalaya hemiglauca\Atalaya\^shrub\3\bi;G1+ ^ Cenchrus ciliaris, Ptilotus obovatus, Solanum lasiophyllum, Boerhavia coccinea, Euphorbia ?australis\Cenchrus\^other grass, shrub, herb, vine\2\c

A050

M1 ^ Acacia sclerosperma subsp. sclerosperma, Acacia pachyacra, Acacia pruinocarpa, Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;M2 ^ Scaevola spinescens, Atalaya hemiglauca, Acacia ancistrocarpa\Scaevola\^shrub\3\bc;G1+ ^ Triodia epactia, Cenchrus ciliaris, Senna artemisioides subsp. oligophylla, Chrysopogon fallax, Boerhavia coccinea\Triodia\^tussock grass, other grass, shrub, herb, vine\2\c

A051

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^Acacia pruinocarpa, Hakea lorea subsp. lorea, Acacia citrinoviridis, Eremophila longifolia\Acacia\^shrub\4\bc;M2 ^ Atalaya hemiglauca\Atalaya\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Triodia epactia, Boerhavia coccinea, Ptilotus obovatus, Cleome viscosa\Cenchrus\^other grass, tussock grass, vine, shrub, herb\2\l

A052

U1 ^ Eucalyptus victrix\Eucalyptus\^tree\6\bc;M1 ^Acacia pruinocarpa, Acacia citrinoviridis\Acacia\^shrub\4\bc;M2 ^ Codonocarpus cotinifolius, Acacia ancistrocarpa, Atalaya hemiglauca\Codonocarpus\^shrub\3\bi;G1+ ^ Cenchrus ciliaris, Corchorus sidoides subsp. sidoides, Corchorus tridens, Aerva javanica, Boerhavia coccinea\Cenchrus\^other grass, herb\2\l

A053

U1 ^Eucalyptus victrix\Eucalyptus\^tree\6\bc;M1+ ^ Acacia citrinoviridis, Acacia pyrifolia var. pyrifolia\Acacia\^shrub\4\l;M2 ^ Atalaya hemiglauca, Gossypium robinsoniim, Clerodendrum floribundum var. angustifolium\Atalaya\^shrub\3\bc;G1 ^ Corchorus crozophorifolius, Cenchrus ciliaris, Triodia epactia, Duperreya commixta, Cleome viscosa\Corchorus\^herb, other grass, tussock grass\2\

A054

M1 ^ Acacia inaequilatera, Acacia pruinocarpa, Acacia dictyophleba\Acacia\^shrub\4\bc;M2 ^ Acacia synchronica, Senna artemisioides subsp. oligophylla x helmsii\Acacia\^shrub\3\bi;G1+ ^ Triodia epactia, Cenchrus ciliaris, Boerhavia coccinea, Euphorbia boophthona, Solanum lasiophyllum\Triodia\^tussock grass, other grass, vine, shrub\2\l

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

A055

U1 ^ Eucalyptus victrix, Corymbia hamersleyana\Eucalyptus\^tree\6\;M1 ^ Acacia pruinocarpa, Acacia citrinoviridis, Hakea lorea subsp. lorea\Acacia\^shrub\4\;M2 ^ Atalaya hemiglauca, Codonocarpus cotinifolius\Atalaya\^shrub\3\;G1+ ^ Cenchrus ciliaris, Duperreya commixta, Corchorus tridens, Aerva javanica, Ptilotus obovatus\Cenchrus\^other grass, herb\2\

A056

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\;M1 ^ Acacia inaequilatera, Acacia citrinoviridis, Acacia pruinocarpa, Hakea lorea subsp. lorea\Acacia\^shrub\4\;M2 ^ Eremophila forrestii ?subsp. forrestii, Senna artemisioides subsp. oligophylla x helmsii\Eremophila\^shrub\3\;G1+ ^ Triodia epactia, Cenchrus ciliaris, Senna artemisioides subsp. oligophylla, Senna notabilis, Solanum lasiophyllum\Triodia\^tussock grass, other grass, shrub, herb\2\

A057

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\;M1 ^ Hakea lorea subsp. lorea, Acacia inaequilatera, Acacia dictyophleba, Acacia tumida var. pilbarensis, Acacia pachyacra\Hakea\^shrub\4\;M2+ ^ Triodia schinzii, Eremophila longifolia, Senna artemisioides subsp. oligophylla ? x helmsii, Grevillea wickhamii subsp. hispidula\Triodia\^tussock grass, shrub\3\;G1 ^ Ptilotus polystachyus, Aristida holathera var. holathera, Eragrostis eriopoda, Triodia epactia, Corchorus sidoides subsp. sidoides\Ptilotus\^shrub, other grass, tussock grass, herb\2\

A058

M1 ^ Hakea chordophylla, Acacia sclerosperma subsp. sclerosperma, Acacia dictyophleba, Acacia pruinocarpa, Anthobolus leptomerioides\Hakea\^shrub\5\;M2+ ^ Triodia schinzii, Petalostylis labicheoides, Acacia bivenosa\Triodia\^tussock grass, shrub\3\;G1 ^ Scaevola parvifolia subsp. parvifolia, Dicrastylis cordifolia, Trianthema pilosa, Aristida holathera var. holathera, Bonamia rosea\Scaevola\^shrub, herb, other grass\2\

A059

M1 ^ Acacia sclerosperma subsp. sclerosperma, Acacia dictyophleba, Acacia pachyacra, Acacia inaequilatera, Eucalyptus gamophylla\Acacia\^shrub, tree\5\;M2 ^ Acacia ancistrocarpa, Grevillea wickhamii subsp. hispidula\Acacia\^shrub\3\;G1+ ^ Triodia basedowii, Aristida holathera var. holathera, Ptilotus polystachyus, Corchorus sidoides subsp. sidoides, Cenchrus ciliaris\Triodia\^tussock grass, other grass, herb\2\

A060

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\;M1 ^ Acacia inaequilatera, Acacia sclerosperma subsp. sclerosperma, Eucalyptus gamophylla, Hakea lorea subsp. lorea\Acacia\^shrub\4\;M2 ^ Acacia ancistrocarpa, Aristida inaequiglumis, Atalaya hemiglauca, Senna glutinosa subsp. glutinosa\Acacia\^shrub, other grass\3\;G1+ ^ Triodia basedowii, Bonamia rosea, Cenchrus ciliaris, Ptilotus astrolasius, Corchorus sidoides subsp. sidoides\Triodia\^tussock grass, vine, other grass, herb\2\

A061

M1 ^ Acacia inaequilatera, Acacia aneura, Hakea lorea subsp. lorea, Eucalyptus gamophylla, Acacia sclerosperma subsp. sclerosperma, Anthobolus leptomerioides\Acacia\^shrub, tree, mallee tree\4\;M2 ^

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

*Petalostylis labicheoides*, *Acacia ancistrocarpa*, *Aristida inaequiglumis*\Petalostylis\shrub, other grass\3\bc;G1+ ^ *Triodia basedowii*, *Bonamia rosea*, *Scaevola parvifolia* subsp. *parvifolia*, *Dicrastylis cordifolia*, *Ptilotus polystachyus*\Triodia\tussock grass, vine, shrub, herb\2\r

A062

U1 ^ *Corymbia hamersleyana*\Corymbia\tree\6\bc;M1 ^ *Acacia pachyacra*, *Acacia sclerosperma* subsp. *sclerosperma*, *Hakea lorea* subsp. *lorea*, *Acacia tumida* var. *pilbarensis*\Acacia\4\bc;M2+ ^ *Triodia schinzii*, *Grevillea wickhamii* subsp. *hispidula*, *Petalostylis labicheoides*\Triodia\tussock grass, shrub\3\;G1 ^ *Aristida holathera* var. *holathera*, *Trianthema pilosa*, *Dicrastylis cordifolia*, *Eragrostis eriopoda*, *Bonamia rosea*\Aristida\other grass, herb, vine\2\bc

A063

M1 ^ *Hakea lorea* subsp. *lorea*, *Acacia dictyophleba*, *Acacia pachyacra*\Hakea\shrub\4\bc;M2 ^ *Petalostylis labicheoides*, *Acacia ancistrocarpa*, *Grevillea wickhamii* subsp. *hispidula*, *Triodia schinzii*\Petalostylis\shrub, tussock grass\3\bc;G1+ ^ *Triodia epactia*, *Eragrostis eriopoda*, *Trianthema pilosa*, *Dicrastylis cordifolia*, *Scaevola parvifolia* subsp. *parvifolia*\Triodia\tussock grass, herb, shrub\2\r

A064

M1 ^ *Acacia inaequilatera*, *Acacia pachyacra*\Acacia\shrub\4\bi;M2 ^ *Acacia ancistrocarpa*\Acacia\shrub\3\bc;G1+ ^ *Triodia basedowii*, *Dicrastylis cordifolia*, *Bonamia rosea*, *Gossypium australe*, *Ptilotus obovatus*\Triodia\tussock grass, shrub, vine\2\r

A065

M1 ^ *Acacia pachyacra*, *Hakea lorea* subsp. *lorea*\Acacia\shrub\4\bc;G1+ ^ *Triodia basedowii*, *Bonamia rosea*, *Dicrastylis cordifolia*, *Senna artemisioides* subsp. *oligophylla*, *Aristida contorta*, *Cleome viscosa*\Triodia\tussock grass, vine, other grass, herb\2\r

A066

M1 ^ *Acacia pachyacra*, *Hakea lorea* subsp. *lorea*, *Acacia dictyophleba*, *Acacia citrinoviridis*\Acacia\shrub\4\bc;M2 ^ *Acacia ancistrocarpa*, *Triodia schinzii*, *Acacia synchronicia*, *Aristida inaequiglumis*, *Grevillea wickhamii* subsp. *hispidula*\Acacia\shrub, tussock grass, other grass\3\bc;G1+ ^ *Triodia basedowii*, *Solanum lasiophyllum*, *Aristida holathera* var. *holathera*, *Senna artemisioides* subsp. *oligophylla*, *Bonamia rosea*\Triodia\tussock grass, other grass, shrub, vine\r

A067

M1 ^ *Acacia inaequilatera*, *Hakea lorea* subsp. *lorea*, *Acacia dictyophleba*, *Acacia pachyacra*\Acacia\shrub\4\bi;M2 ^ *Aristida inaequiglumis*, *Acacia ?sericophylla*, *Acacia sericophylla*, *Acacia ancistrocarpa*\Aristida\other grass, shrub\3\bc;G1+ ^ *Triodia basedowii*, *Bonamia rosea*, *Indigofera monophylla*, *Aristida holathera* var. *holathera*, *Paraneurachne muelleri*\Triodia\tussock grass, vine\2\r

A068

U1 ^ *Eucalyptus victrix*\Eucalyptus\tree\6\bc;M1+ ^ *Acacia pruinocarpa*, *Hakea lorea* subsp. *lorea*, *Acacia citrinoviridis*\Acacia\shrub\4\r;M2 ^ *Atalaya hemiglauca*\Atalaya\shrub\3\bc;G1 ^ *Cenchrus ciliaris*, *Aerva javanica*\Cenchrus\other grass\2\r



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A069

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^ Acacia pruinocarpa, Acacia inaequilatera, Acacia citrinoviridis, Hakea lorea subsp. lorea\Acacia\^shrub\4\bc;G1+ ^ Triodia epactia, Cenchrus ciliaris, Eragrostis eriopoda, Senna notabilis, Aristida holathera var. holathera\Triodia\^tussock grass, other grass, shrub\2\

A070

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^ Acacia pyrifolia var. ?morrisonii, Acacia elachantha, Acacia aneura\Acacia\^shrub, mallee shrub\4\;M2 ^ Gossypium robinsonii, Atalaya hemiglaucula, Eremophila longifolia\Gossypium\^shrub\3\bi;G1+ ^ Cenchrus ciliaris, Triodia epactia, Eriachne helmsii, Chrysopogon fallax, Boerhavia coccinea\Cenchrus\^other grass, tussock grass, vine\2\

A071

M1 ^ Eucalyptus gamophylla, Hakea lorea subsp. lorea, Acacia inaequilatera\Eucalyptus\^tree, shrub\4\bc;M2 ^ Acacia ancistrocarpa, Acacia tetragonophylla, Aristida inaequiglumis\Acacia\^shrub, other grass\3\bi;G1+ ^ Triodia basedowii, Bonamia rosea, Corchorus sidoides subsp. sidoides, Dicrystylis cordifolia, Eragrostis eriopoda\Triodia\^tussock grass, herb, other grass\2\

A072

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^ Eucalyptus gamophylla, Acacia inaequilatera, Hakea lorea subsp. lorea, Anthobolus leptomerioides\Eucalyptus\^tree, shrub\4\;M2 ^ Petalostylis labicheoides, Acacia ancistrocarpa\Petalostylis\^shrub\3\bc;G1+ ^ Triodia basedowii, Bonamia rosea, Ptilotus astrolasius, Indigofera monophylla, Scaevola parvifolia subsp. parvifolia\Triodia\^tussock grass, herb, vine, shrub\2\

A073

M1 ^ Acacia xiphophylla\Acacia\^shrub\4\bc;M2 ^ Acacia synchronicia\Acacia\^shrub\3\bc;G1+ ^ Goodenia prostrata, Salsola australis, Solanum lasiophyllum, Cleome viscosa, Dactyloctenium radulans\Goodenia\^herb, shrub\2bc

A074

M1+ ^ Acacia aneura\Acacia\^mallee tree\6\;G1 ^ Bidens bipinnata, Abutilon lepidum, Bulbostylis barbata, Perotis rara, Psydrax latifolia\Bidens\^herb\2\

A075

M1 ^ Acacia aneura, Acacia xiphophylla, Vachellia farnesiana\Acacia\^mallee tree, shrub\5\;M2 ^ Acacia synchronicia, Acacia tetragonophylla\Acacia\^shrub\3\;G1+ ^ Cenchrus ciliaris, Salsola australis, Eragrostis eriopoda, Malvastrum americanum, Sporobolus australasicus\Cenchrus\^other grass\2\

A076

M1+ ^ Acacia aneura, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4\;M2 ^ Acacia tetragonophylla, Acacia synchronicia\Acacia\^shrub\3\bi;G1 ^ Chrysopogon fallax, Cenchrus ciliaris, Senna notabilis, Malvastrum americanum, Abutilon lepidum\Chrysopogon\^other grass, shrub\2\

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

A077

M1+ ^ Acacia aneura, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4\;M2 ^ Acacia tetragonophylla, Acacia synchronicia\Acacia\^shrub\3\bi;G1 ^ Chrysopogon fallax, Cenchrus ciliaris, Perotis rara, Eremophila lanceolata, Psydrax latifolia\Chrysopogon\^other grass, shrub\2\r

A078

M1 ^ Acacia pachyacra, Acacia pruinocarpa\Acacia\^shrub\4\bi;M2 ^ Acacia synchronicia\Acacia\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Cleome viscosa, Salsola australis, Boerhavia coccinea, Senna notabilis\Cenchrus\^other grass, herb, vine, shrub\2\bc

A079

M1 ^Acacia aneura, Acacia pruinocarpa, Acacia citrinoviridis, Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4\r;M2 ^ Acacia synchronicia\Acacia\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Salsola australis, Senna artemisioides subsp. oligophylla, Sporobolus australasicus, Triodia epactia\Cenchrus\^other grass, herb, shrub, tussock grass\2\l

A080

M1 ^ Acacia aneura, Hakea lorea subsp. lorea\Acacia\^mallee tree, shrub\4\r;M2 ^ Acacia synchronicia\Acacia\^shrub\3\r;G1+ ^ Cenchrus ciliaris, Triodia epactia, Chrysopogon fallax, Dysphania rhadinostachya, Abutilon lepidum\Cenchrus\^other grass, tussock grass, herb\2\l

A081

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^ Acacia citrinoviridis, Acacia pruinocarpa, Acacia dictyophleba, Acacia inaequilatera, Hakea lorea subsp. lorea\Acacia\4\r;M2 ^ Atalaya hemiglauca, Acacia synchronicia, Acacia tetragonophylla, Senna artemisioides subsp. oligophylla ? x helmsii\Atalaya\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Triodia epactia, Aerva javanica, Salsola australis, Senna notabilis\Cenchrus\^other grass, tussock grass, herb\2\l

A082

U1 ^ Corymbia hamersleyana\Corymbia\^tree\6\bc;M1 ^ Acacia citrinoviridis, Acacia aneura, Hakea lorea subsp. lorea\Acacia\^shrub, mallee tree\4\r;M2 ^ Acacia synchronicia, Acacia tetragonophylla, Senna artemisioides subsp. oligophylla ? x helmsii\Acacia\^shrub\3\bc;G1+ ^ Cenchrus ciliaris, Sclerolaena cornishiana, Triodia epactia, Cleome viscosa, Salsola australis\Cenchrus\^other grass, herb, tussock grass\2\r

B123

U1+ ^ Acacia aptaneura\Acacia\^tree\6\r;M1 ^ Acacia synchronicia\Acacia\^shrub\5\bc;M2 ^ Senna artemisioides subsp. oligophylla, Senna artemisioides subsp. helmsii, Aristida inaequiglumis\Senna\^shrub, other grass\3\bi;G1 ^ Solanum lasiophyllum, Eremophila forrestii ?subsp. forrestii\Solanum\^shrub\2\bcl;G2 ^ Eriachne mucronata, Cleome viscosa, Senna notabilis, Salsola australis, Eremophila lanceolata\Eriachne\^other grass, herb, shrub\1\bc

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

B124

U1+ ^ Acacia aptaneura, Acacia pruinocarpa\Acacia\^tree\6\;M1 ^ Anthobolus leptomerioides, Acacia synchronicia, Psydrax latifolia, Acacia inaequilatera, Acacia tetragonophylla\Anthobolus\^shrub\4\bc;M2 ^ Triodia epactia, Dodonaea petiolaris, Rhagodia eremaea, Senna artemisioides subsp. oligophylla\Triodia\^tussock grass, shrub\3\;G1 ^ Cenchrus ciliaris, Eremophila forrestii ?subsp. forrestii, Ptilotus obovatus var. obovatus, Cleome viscosa, Indigofera monophylla\Cenchrus\^other grass, shrub, herb\2\bc;G2 ^ Sporobolus australasicus, Maireana planifolia, Gossypium australe, Ptilotus exaltatus var. exaltatus, Bidens bipinnata\Sporobolus\^other grass, shrub, herb\1\bc

B125

U1 ^ Acacia aptaneura, Acacia pruinocarpa\Acacia\^tree\6\;M1 ^ Acacia inaequilatera, Acacia ancistrocarpa, Acacia tetragonophylla, Psydrax latifolia\Acacia\^shrub\3\bc;M2+ ^ Triodia epactia, Eremophila forrestii ?subsp. forrestii, Aristida inaequiglumis\Triodia\^tussock grass, shrub, other grass\3\;G1 ^ Solanum lasiophyllum, Gossypium australe, Maireana planifolia\Solanum\^shrub\2\bi;G2 ^ Senna notabilis, Sporobolus australasicus, Eremophila lanceolata, Salsola australis, Dactyloctenium radulans\Senna\^shrub, other grass\1\bc

C001

U1 ^Corymbia hamersleyana\Corymbia\^tree\5\bi;M1+^Triodia schinzii, Acacia tumida var. Pilbarensis, Grevillea wickhamii subsp. Hispidula, Sida cardiophylla\Trodia\^tussock grasses\3\;G1 ^Triodia epactia, Aristida holathera var. Holathera, *Corchorus elachocarpus*, Ptilotus polystachyus\Trodia\tussock grasses\2\;G2 Scaevola parvifolia subsp. Parvifolia, Acacia ancistrocarpa, Paraneurachne muelleri, *Bonamia rosea*, Eriachne aristidea\Scaevola\^low shrub\1\bc

C002

U1^ Corymbia hamersleyana\Corymbia\^low tree\6\bc;M1+ ^Acacia inaequilatera, Acacia pachyacra, Acacia sericophylla, Grevillea wickhamii subsp. Hispidula\Acacia\^Tree mallee\3\bc;M2 Cullen leucanthum, Clerodendrum floribundum var. Angustifolium\Cullen\^heath shrub\3\bc;M3 Triodia schinzii, Acacia dictyophleba, Petalostylis labicheoides, Cymbopogon obtectus, Triodia basedowii\Trodia\^heath shrub\3\;G1^ Triodia epactia, Hibiscus sturtii var. Platychlamys, Cenchrus ciliaris, Acacia ancistrocarpa, Cleome viscosa\Trodia\^tussock grass\2\;G2 Eragrostis eriopoda, *Corchorus elachocarpus*, Aristida holathera var. Holathera, *Bonamia rosea*, Scaevola parvifolia subsp. Parvifolia, Solanum central\Eragrostis\^tussock grass\2\bc; G3 Trianthema pilosa, Tribulus macrocarpus\Trianthema\^tussock grass\1\bi

C003

M1 Acacia inaequilatera, Hakea lorea subsp. Lorea\Acacia\^shrub\4\bc; M2+^ Acacia ancistrocarpa, Chrysopogon fallax, Acacia pruinocarpa\Acacia\^Mallee Shrub\3\bc; G1^ Triodia epactia, Senna artemisioides subsp. Oligophylla\Trodia\^tussockgrass\2\; G2 Hibiscus sturtii var. Platychlamys, Solanum lasiophyllum, Senna artemisioides subsp. Helmsii, Cleome viscosa, Senna notabilis\other grasses\1\bi

C004

U1^ Acacia inaequilatera\Acacia\^Mallee Tree\5\bc; M1 Acacia pruinocarpa, Hakea lorea subsp. Lorea, Acacia synchronicia, Grevillea wickhamii subsp. Hispidula\Acacia\^low tree mallee\5\bc; M2 Acacia ancistrocarpa\Acacia\^tall shrub\4\bc; M3+^Triodia epactia, Chrysopogon fallax\Trodia\3\; G1^ Senna

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notabilis, Cenchrus ciliaris, Solanum lasiophyllum, Anthobolus leptomerioides, Euphorbia australis\Senna\^other grasses\1\bc

C005

U1^ Acacia inaequilatera\Acacia\Mallee Tree\5\bc; M1 Acacia pachyacra, Hakea lorea subsp. Lorea\Acacia\Mallee Shrub\4\bc; M2^ Triodia schinzii\Trodia\tussock grass\3\bc; G1+^ Triodia basedowii, Sida cardiophylla, Grevillea wickhamii subsp. Hispidula, Dicrastylis cordifolia, Triodia epactia\Trodia\2\c; G2 *Corchorus elachocarpus*, *Bonamia rosea*, *Aristida holathera* var. *Holathera*, *Eragrostis eriopoda*, *Ptilotus astrolasius*\Corchorus\^other grasses\1\bc

C006

U1^ Hakea chordophylla, Acacia sericophylla, Hakea lorea subsp. lorea\Hakea\tree\6\bc; M1^ Acacia pachyacra\Acacia\Mallee Shrub\4\bi; M2 Triodia schinzii, Hibiscus sturtii var. *Platyklamys*, *Petalostylis labicheoides*, Acacia ancistrocarpa\Trodia\tussock grass\3\; G1^ Triodia basedowii\Trodia\tussock grass\2\bc; G2 *Dicrastylis cordifolia*, *Bonamia rosea*, *Scaevola parvifolia* subsp. *Parvifolia*, *Trianthema pilosa*, *Sida cardiophylla*\Dicrastylis\^other grasses\1\bi

C007

U1+^ Acacia inaequilatera, Hakea lorea subsp. Lorea, Acacia citrinoviridis, *Corymbia hamersleyana*, Acacia pruinocarpa\Acacia\Mallee Tree\6\bc; M1 Hakea lorea subsp. Lorea, Acacia ancistrocarpa, Acacia synchronicia, Acacia dictyophleba\Acacia\tall shrub\4\bc; M2^ *Chrysopogon fallax*, Acacia dictyophleba, *Eremophila longifolia*, *Gossypium austral*, *Eremophila forrestii* subsp. *Forrestii*\Eremophila\tall shrub\3\bc; G1 Triodia epactia, Hibiscus sturtii var. *Platyklamys*, *Senna artemisioides* subsp. *Helmsii*\Trodia\tussock grass\2\c; G2^ *Eragrostis eriopoda*, Cenchrus ciliaris, *Paraneurachne muelleri*, *Corchorus sidoides* subsp. *Sidoides*, *Indigofera monophylla*\Eragrostis\^other grasses\1\bc

C008

U1^ *Corymbia hamersleyana*, Acacia ?aneura, Hakea lorea subsp. Lorea, Solanum lasiophyllum\Corymbia\tree\6\bc; M1^ Acacia synchronicia, Acacia pruinocarpa, Acacia dictyophleba\Acacia\Mallee Shrub\4\bc; M2 *Eremophila longifolia*, *Chrysopogon fallax*\Eremophila\^shrub\3\bi; G1^ Cenchrus ciliaris, Cenchrus setiger, Triodia epactia, *Gossypium austral*, *Senna artemisioides* subsp. *Helmsii*\Cenchrus\^other grasses\2\bi; G2 *Senna notabilis*, *Sclerolaena cornishiana*, *Eremophila lanceolata*, *Enneapogon polyphyllus*, *Sida platycalyx*\Senna\^other grasses\1\bi

C009

M1 Acacia ?aneura, Acacia ?synchronicia, *Senna glutinosa* subsp. *Glutinosa*\Acacia\Mallee shrub\4\c; M2^ *Vachellia farnesiana*, *Rhagodia eremaea*\Vachellia\Mallee Shrub\3\bc; G1+^ Cenchrus ciliaris, Cenchrus setiger, *Eremophila longifolia*, *Ptilotus obovatus* var. *Obovatus*\Cenchrus\^other grasses\2\bi;



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G2 *Salsola australis*, *Ipomoea muelleri*, *Boerhavia burbridgeana*, *Ptilotus macrocephalus*, *Cleome viscosa*\Salsola\^other grasses\1\bc

C010

U1^ *Acacia ?synchronicia*, *Acacia ?aneura*, *Acacia pruinocarpa*\Acacia\Mallee tree\5\c; M1 ^*Acacia citrinoviridis*\Acacia\Mallee tree\4\bi; M2 *Eremophila longifolia*, *Chrysopogon fallax*\Eremophila\tall shrub\3\bi; G1+^ *Cenchrus ciliaris*, *Cenchrus setiger*, *Senna artemisioides* subsp. *Oligophylla*\Cenchrus\^shrub\2\c; G2 *Ipomoea muelleri*, *Boerhavia burbridgeana*, *Salsola australis*, *Sclerolaena cornishiana*, *Cleome viscosa*\Ipomoea\^other grasses\1\bi

C011

U1 *Acacia pruinocarpa*\Acacia\^mid Mallee tree\7\bc; U2+^ *Acacia ?aneura*, *Corymbia hamersleyana*, *Acacia inaequilatera*, *Hakea lorea* subsp. *Lorea*\Acacia\^low Mallee Tree\6\l; M1 *Acacia citrinoviridis*\Acacia\^tall Mallee Shrub\4\bi; M2^ *Triodia epactia*, *Chrysopogon fallax*, *Senna notabilis*\Triodia\^tussock grass\3\bi; G1^ *Cenchrus ciliaris*, *Cenchrus setiger*, *Rhagodia eremaea*, *Acacia ?synchronicia*\Cenchrus\^other grasses\2\l; G2 *Solanum lasiophyllum*, *Boerhavia coccinea*, *Corchorus tridens*, Unidentifiable sp.\Solanum\^other grasses\1\bi

C012

U1^ *Acacia citrinoviridis*, *Hakea lorea* subsp. *Lorea*, *Acacia ?aneura*, *Acacia pruinocarpa*,\Acacia\^low Mallee Tree\5\bi; M1 *Acacia ?synchronicia*, *Acacia inaequilatera*, *Solanum lasiophyllum*\Acacia\^tall shrub\5\bi; M2^ *Chrysopogon fallax*\Chrysopogon\^low shrub\3\bi; G1^ *Cenchrus ciliaris*, *Cenchrus setiger*, *Rhagodia eremaea*\Cenchrus\^other grasses\2\bc; G2 *Senna artemisioides* subsp. *Oligophylla*, *Eremophila lanceolata*, *Ptilotus obovatus* var. *Obovatus*, *Sclerolaena cornishiana*, *Cleome viscosa*\Senna\^other grasses\1\bi

C013

U1^ *Acacia ?aneura*, *Acacia citrinoviridis*\Acacia\^Mid Mallee Tree\7\c; M1 *Acacia ?synchronicia*\mid shrub\4\bc; M2^ *Chrysopogon fallax*, *Acacia pruinocarpa*\Chrysopogon\^shrub\4\bi; G1+^ *Cenchrus setiger*, *Cenchrus ciliaris*\Cenchrus\^other grasses\2\c; G2 *Abutilon lepidum*, *Alysicarpus muelleri*, *Senna notabilis*, *Corchorus tridens*\Abutilon\^other grasses\1\bi

C014

U1^ *Acacia dictyophleba*, *Hakea lorea* subsp. *Lorea*, *Acacia sclerosperma* subsp. *Sclerosperma*, *Stylobasium spathulatum*\Acacia\^low Mallee tree\4\bc; M1+^ *Triodia schinzii*, *Triodia basedowii*, *Hibiscus leptocladus*\Triodia\^tussock grass\3\c; G1^ *Cenchrus ciliaris*, *Senna artemisioides* subsp. *Helmsii*\Cenchrus\^other grass\2\bc; G2 *Trianthema pilosa*, *Eragrostis eriopoda*, *Bonamia rosea*, *Ptilotus polystachyus*, *Sida cardiophylla*\Trianthema\^other grass\1\bi

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C015

U1 ^Acacia sclerosperma subsp. Sclerosperma, Corymbia hamersleyana, Atalaya hemiglauca\Acacia\^low Mallee tree\6\bc; M1 Acacia inaequilatera, Hakea lorea subsp. Lorea\Acacia\^tall Mallee shrubs\5\bi; M2+^ Triodia basedowii, Acacia ?synchronicia, Acacia dictyophleba, Acacia tetragonophylla\Trodia\^tussock grasses\3\l; G1 Cenchrus ciliaris, Ptilotus obovatus var. Obovatus, Stylobasium spathulatum\Cenchrus\^other grasses\2\l; G2^ Acacia pachyacra, Senna artemisioides subsp. Oligophylla, Sporobolus australasicus, Eragrostis eriopoda, Solanum lasiophyllum\Senna\^other grasses\1\bi

C016

U1^ Eulalia aurea, Hakea lorea subsp. Lorea\Eulalia\^low trees\6\bc; M1+^ Acacia ?synchronicia, Acacia sclerosperma subsp. Sclerosperma, *Enneapogon polyphyllus*\^tall shrub\5\l; M2 Cenchrus ciliaris, Acacia aneura, Cenchrus setiger\Cenchrus\^other grasses\2\bc; G1^ Salsola australis, Ptilotus obovatus var. Obovatus, Solanum lasiophyllum, *Pterocaulon sphaeranthoides*, Enneapogon polyphyllus\Salsola\^other grasses\1\bi

C017

U1^ Acacia ?aneura, Eucalyptus victrix\Acacia\^low Mallee tree\6\bc; M1+^ Acacia tetragonophylla, Acacia ?synchronicia\Acacia\^tall shrub\4\c; M2 Maireana pyramidata, Chrysopogon fallax\Maireana\^low shrub\3\bc; G1^ Atriplex amnicola, Cenchrus ciliaris, Cenchrus setiger, Rhagodia eremaea, Enchylaena tomentose\Atriplex\^other grasses\3\bc; G2 Eragrostis setifolia, Sclerolaena diacantha, Senna glutinosa subsp. Glutinosa, Panicum laevinode, Chloris pectinata\Eragrostis\^other grasses\1\bi

C018

M1^ Acacia ?synchronicia, Chrysopogon fallax\Acacia\^mid Mallee shrub\3\bc;G1+^ Triodia basedowii, Cenchrus ciliaris, Stylobasium spathulatum, Solanum lasiophyllum, Ptilotus exaltatus var. Exaltatus\Trodia\^tussock grasses\2\c; G2 Corchorus sidoides subsp. Sidoides, Ptilotus astrolasius, Plucheia ferdinandi-muelleri, Aristida holathera var. Holathera, Hibiscus sturtii var. Platychlamys\Corchorus\^other grasses\1\bc

C019

U1^ Acacia dictyophleba, Acacia tumida var. Pilbarensis\Acacia\^low Mallee tree\5\bc; M1^ Hakea chordophylla, Acacia pachyacra, Acacia ancistrocarpa\Acacia\^mid Mallee shrub\4\bc; M2 Cymbopogon obtectus\Cymbopogon\^low shrub\3\bi; G1+^ Triodia basedowii, Ptilotus polystachyus, Sida cardiophylla\Trodia\^tussock grasses\2\l, G2 *Bonamia rosea*, Corchorus ?elachocarpus, *Corchorus elachocarpus*, Indigofera monophylla, Sida cardiophylla\Corchorus\^other grasses\1\bc

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C020

U1^ Acacia inaequilatera, Hakea lorea subsp. Lorea, Acacia pruinocarpa, Corymbia hamersleyana, Atalaya hemiglauca\Acacia\low Mallee trees\6\bc; M1^ Acacia sclerosperma subsp. Sclerosperma, Vachellia farnesiana, Acacia dictyophleba, Acacia citrinoviridis, Acacia ?synchronicia\Acacia\tall shrub\4\bi; G1+^ Cenchrus setiger, Cenchrus ciliaris, Rhagodia eremaea, Capparis spinosa\Cenchrus\other grasses\2\c

C021

U1^ Acacia citrinoviridis, Acacia synchronicia, Acacia inaequilatera, Acacia synchronicia, Corymbia hamersleyana\Acacia\low Mallee trees\6\bc; M1^ Acacia ?aneura\Acacia\low Mallee shrub\3\bi; G1+ ^ Cenchrus ciliaris, Cenchrus setiger, Rhagodia eremaea\Cenchrus\other grasses\2\r; G2 Salsola australis\Salsola\other grasses\1\bi

C022

U1^ Acacia ?aneura, Psydrax latifolia\Acacia\low Mallee trees\6\l;M1 Acacia ?synchronicia, pruinocarpa\Acacia\tall Mallee shrub\5\bc; M2^ Senna artemisioides subsp. Helmsii, Chrysopogon fallax\Senna\low shrubs\3\bi; G1+^ Triodia epactia, Cenchrus ciliaris, Aristida inaequiglumis, Chloris pumilio, Eremophila forrestii ?subsp. forrestii\Trodia\tussock grasses\2\bc; G2 Eragrostis setifolia, Chloris pectinata, Maireana planifolia, Eremophila glabra, Bidens bipinnata\Eragrotis\other grasses\1\bc

C023

U1+^ Acacia ?aneura, Acacia xiphophylla, Psydrax latifolia, Acacia ?aneura, Acacia ?synchronicia\Acacia\low Mallee trees\6\c; M1 Acacia ancistrocarpa\Acacia\tall Mallee shrub\4\bi;M2^ Eremophila latrobei subsp. Filiformis, Chrysopogon fallax, Senna glutinosa subsp. x luerssenii, Rhagodia eremaea\Eremophila\low shrub\3\bi; G1^ Cenchrus ciliaris, Eremophila forrestii ?subsp. forrestii, Ptilotus obovatus var. Obovatus\Cenchrus\other grasses\2\bi; G2 Eriachne mucronata, Maireana planifolia, Eremophila glabra, Abutilon lepidum, Enteropogon ramosus\Eriachne\other grasses\1\bi

C024

U1^ Acacia ?aneura, Acacia ?synchronicia, Psydrax latifolia, Acacia tetragonophylla\Acacia\low Mallee trees\6\c; M1^ Chrysopogon fallax, Senna artemisioides subsp. Oligophylla, Aristida latifolia\Chrysopogon\mid shrub\3\bi; G1+^ Ptilotus obovatus var. Obovatus, Cenchrus ciliaris, Rhagodia eremaea, Maireana planifolia\Ptilotus\other grasses\2\bi; G2 Eriachne flaccid, Eragrostis setifolia, Salsola australis, Cleome viscosa, Eremophila glabra\Eriachne\other grasses\1\bc

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C025

U1^ Corymbia sp, Acacia ?aneura, Acacia tetragonophylla, Psydrax latifolia\Acacia\low Mallee tree\6\l; M1^ Chrysopogon fallax\Chrysopogon\mid shrub\3\bc; G1+^ Cenchrus ciliaris, Ptilotus obovatus var. Obovatus, Rhagodia eremaea\Cenchrus\other grasses\2\bc; G2 Malvastrum americanum, Corchorus tridens, Eriachne benthamii, Blumea tenella, Sporobolus australasicus\Malvastrum\other grasses\1\bc

C026

U1^Corymbia hamersleyana, Vachellia farnesiana, Acacia ?aneura, Acacia dictyophleba, Ehretia saligna var. Saligna\Corymbia\low trees\6\bc; M1^ Themeda triandra, Acacia ?synchronicia\Themeda\medium shrubs\3\bc; G1+^ Cenchrus ciliaris, Triodia epactia, Atalaya hemiglauca, Triodia longiceps\Cenchrus\other grasses\2\bc; G2 Malvastrum americanum, Corchorus tridens, Chloris pectinata, Salsola australis, Senna notabilis\Malvastrum\other grasses\1\bi

C027

U1^ Acacia pruinocarpa, Acacia ?aneura, Hakea lorea subsp. Lorea\Acacia\low Mallee trees\6\bc; M1 Acacia ?synchronicia, Atalaya hemiglauca\Acacia\tall Mallee shrubs\4\bi; M2^ Acacia dictyophleba, Chrysopogon fallax\Acacia\mid shrubs\3\bi; G1+^ Cenchrus ciliaris, Triodia epactia, Cenchrus setiger\Cenchrus\other grasses\2/r; G2 Acacia tetragonophylla, Acacia inaequilatera, Cleome viscosa, Eragrostis eriopoda, Gomphrena affinis subsp. Pilbarensis\Acacia\low Mallee shrub\1\bi

C028

U1^ Acacia ?aneura, Acacia pruinocarpa, Psydrax latifolia, Acacia ?synchronicia, Acacia tetragonophylla\Acacia\low Mallee trees\6\bc; M1+^ Senna artemisioides subsp. Oligophylla, Chrysopogon fallax, Hakea lorea subsp. Lorea, Corymbia hamersleyana, Psydrax ?rigidula\Senna\mid shrubs\3\bi; G1 Cenchrus ciliaris, Ptilotus obovatus var. Obovatus, Vachellia farnesiana\Cenchrus\other grasses\2\bc; G2^ Eremophila glabra, Gomphrena affinis subsp. Pilbarensis, Enneapogon polyphyllus, Eragrostis setifolia, Portulaca pilosa\Eremophila\other grasses\1\bi

C029

U1^ Acacia ?aneura, Acacia ?synchronicia\Acacia\low Mallee trees\6\r; M1+^ Acacia tetragonophylla, Acacia ?aneura\Acacia\tall Mallee shrubs\4\r; M2 Chrysopogon fallax\Chrysopogon\mid shrub\3\bi; G1^ Cenchrus ciliaris\Cenchrus\other grasses\2\bi; G2 Solanum lasiophyllum, Eremophila glabra, Cleome viscosa, Eragrostis setifolia, Senna notabilis\Solanum\other grasses\1\bi

C030

U1+^ Acacia ?aneura, Psydrax latifolia, Acacia ?synchronicia, Hakea lorea subsp. Lorea, Acacia tetragonophylla\Acacia\low Mallee trees\6\l; M1^ Chrysopogon fallax, Senna artemisioides subsp.



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Oligophylla, Senna artemisioides subsp. Helmsii\Chrysopogon\low shrubs\3\bc; G1^ Cenchrus ciliaris\Cenchrus\other grasses\2\bi; G2 Corchorus tridens, Eremophila glabra, Eragrostis crateriformis, Eragrostis setifolia, Eriachne mucronata\Corchorus\Other grasses\1\bc

C031

U1^ Acacia ?aneura, Acacia pruinocarpa, Acacia ?synchronica\Acacia\low Mallee trees\6\bc; M1^ Senna artemisioides subsp. Oligophylla, Hakea lorea subsp. Lorea., Triodia epactia, Chrysopogon fallax\Senna\low shrub\3\bc; G1+^ Cenchrus ciliaris, Senna artemisioides subsp. Helmsii, Cenchrus setiger\Cenchrus\other grasses\2\bi; G2 Eremophila glabra, Maireana villosa, Gomphrena affinis subsp. Pilbarensis, Eragrostis setifolia, Sporobolus australasicus\Eremophila\low grasses\1\bi

C032

U1^ Hakea lorea subsp. Lorea, Acacia pruinocarpa\Hakea\low trees\6\bc; M1^ Vachellia farnesiana, Acacia ?synchronica, Chrysopogon fallax\Vachellia\mid shrubs\3\bi; G1+^ Cenchrus ciliaris, Triodia epactia\Cenchrus\other grasses\1\bi; G2 Salsola australis, Senna notabilis\Salsola\other grasses\1\bi

C033

U1+^ Acacia ?aneura, Psydrax latifolia, Acacia tetragonophylla\Acacia\low Mallee trees\6\bi; M1^ Chrysopogon fallax, Acacia ?aneura\Chrysopogon\low shrubs\3\bc; G1 Cenchrus ciliaris, Abutilon lepidum, Ptilotus obovatus var. Obovatus\Cenchrus\other grasses\2\bc; G2^ Ipomoea muelleri,

Chloris pectinata, Enneapogon polyphyllus, Gomphrena affinis subsp. Pilbarensis, Senna notabilis, Ipomoea \other grasses\1\bi

C034

U1^ Acacia ?aneura, Acacia pruinocarpa, Corymbia hamersleyana\Acacia\mallee tree\6\bi; M1+^ Acacia ?synchronica, Psydrax latifolia\Acacia\low Mallee trees\4\bi; M2 Triodia epactia, Acacia ancistrocarpa, Chrysopogon fallax\Triodia\tussock grasses\4\bc; G1^ Cenchrus ciliaris, Eremophila forrestii, Senna artemisioides subsp. Helmsii, Eulalia aurea\Cenchrus\other grasses\2\bi; G2 Eragrostis setifolia, Ptilotus obovatus var. Obovatus, Abutilon lepidum, Cleome viscosa, Eremophila lanceolata\Eragrostis\grasses\1\bi

C035

U1^ Acacia ?synchronica\Acacia\Mallee Tree\6\bc; M1+^ Acacia ?synchronica, Triodia epactia, Acacia ?aneura, Chrysopogon fallax\Acacia\Mallee tree\3\bi; G1^ Solanum lasiophyllum, Aristida contorta, Eriachne pulchella subsp. Pulchella, Cleome viscosa, Sporobolus australasicus\Solanum\Other grasses\1\bi

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C036

U1^ *Acacia dictyophleba*, *Hakea lorea* subsp. *Lorea*\Acacia\Mallee tree\5\bc; M1 *Acacia sclerosperma* subsp. *Sclerosperma*, *Acacia pruinocarpa*, *Acacia pachyacra*, *Acacia ancistrocarpa*, \Acacia\Mallee tree\4\bi; M2+^ *Triodia epactia*, *Senna artemisioides* subsp. *Oligophylla*, *Chrysopogon fallax*\3\c; G1^ *Senna artemisioides* subsp. *Helmsii*, *Acacia ?aneura*,\Senna\^grass\2\bi; G2 *Indigofera monophylla*, *Senna notabilis*, *Sida platycalyx*, *Corchorus sidoides* subsp. *Sidoides*, *Dactyloctenium radulans*\Indigofera\^grasses\1\bi

C037

M1 *Acacia sclerosperma* subsp. *Sclerosperma*, *Acacia ?synchronicia*, *Acacia dictyophleba*, *Hakea lorea* subsp. *Lorea*\Acacia\Mallee tree\5\bc; M2 *Acacia pruinocarpa*\Acacia\Mallee Tree\4\bi; M3+^ *Triodia epactia*, *Cullen leucanthum*\Trodia\^Tussic grass\3\l; G1 *Senna artemisioides* subsp. *Oligophylla*, *Senna artemisioides* subsp. *Helmsii*\Senna\^grass\2\bi; G2^ *Solanum lasiophyllum*, *Hibiscus sturtii* var. *Platyklamys*, *Cenchrus ciliaris*, *Eragrostis eriopoda*, *Cleome viscosa*\Solanum\^grasses\1\bi

C038

U1^ *Acacia ?aneura*\Acacia\Mallee tree\6\bc; M1 *Acacia pruinocarpa*, *Hakea lorea* subsp. *Lorea*\Acacia\Mallee tree\4\bi; M2+^ *Triodia epactia*, *Acacia ?synchronicia*, *Acacia pachyacra*, *Acacia inaequilatera*, *Acacia sclerosperma* subsp. *Sclerosperma*\Trodia\^grasses\3\l; G1^ *Corchorus sidoides* subsp. *Sidoides*, *Dactyloctenium radulans*, *Iseilema eremaeum*, *Sclerolaena cornishiana*, *Sporobolus australasicus*\Corchorus\^grasses\1\bi

C039

U1^ *Acacia inaequilatera*, *Grevillea wickhamii* subsp. *Hispidula*, *Hakea lorea* subsp. *Lorea*\Acacia\Mallee tree\6\bc; M1^ *Acacia ancistrocarpa*, *Acacia bivenosa*\Acacia\Mallee tree\4\bc; M2+^ *Triodia basedowii*, *Triodia epactia*, *Senna artemisioides* subsp. *Oligophylla*, *Cymbopogon obtectus*\Trodia\^Tussock grass\3\bc; G1^ *Paraneurachne muelleri*, *Solanum sturtianum*, *Cleome viscosa*, *Eriachne aristidea*, *Solanum lasiophyllum*\Paraneurachne\^grasses\1\bc

C040

U1^ *Eucalyptus gamophylla*\Eucalyptus\^trees\6\bc; M1+^ *Triodia basedowii*, *Acacia inaequilatera*, *Acacia pachyacra*, *Grevillea wickhamii* subsp. *Hispidula*, *Eremophila longifolia*\Trodia\^Tussock Grass\3\c; G1 *Senna artemisioides* subsp. *Oligophylla*\Senna\^grasses\2\bi; G2^ *Paraneurachne muelleri*, *Hibiscus sturtii* var. *Platyklamys*, *Eragrostis eriopoda*, *Aristida holathera* var. *Holathera*, *Ptilotus astrolasius*\Paraneurachne\^grasses\1\bc;

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

C041

U1<sup>+</sup> *Acacia inaequilatera*, *Corymbia hamersleyana*, *Acacia pachyacra*, *Hakea lorea* subsp. *Lorea* \ *Acacia* \ ^mallee tree \ 6 \ bc; M1<sup>+</sup> *Triodia epactia*, *Acacia ?aneura*, *Grevillea wickhamii* subsp. *Hispidula*, *Acacia citrinoviridis*, *Gossypium robinsonii* \ *Trodia* \ ^grasses \ 3 \ bc; G1<sup>+</sup> *Senna artemisioides* subsp. *Oligophylla* \ *Senna* \ ^grasses \ 2 \ bi; G2 *Aristida holathera* var. *Holathera*, *Cenchrus ciliaris*, *Cleome viscosa*, *Aristida contorta*, *Corchorus elachocarpus* \ *Aristida* \ ^grasses \ 1 \ bc

C042

M1<sup>+</sup> *Grevillea wickhamii* subsp. *Hispidula*, *Petalostylis labicheoides*, *Hakea chordophylla* \ *Grevillea* \ ^shrub \ 4 \ bc; *Ptilotus calostachyus*, *Acacia pachyacra* \ *Ptilotus* \ ^shrub \ 3 \ bc; G1 *Triodia epactia*, *Triodia basedowii*, *Trianthema glossostigma* \ *Trodia* \ ^Tussock grasses \ 2 \ bi; G2<sup>+</sup> *Triodia* sp. *Shovelanna Hill* (S. van Leeuwen 3835), *Triodia* sp. *Shovelanna Hill* (S. van Leeuwen 3835), *Eragrostis eriopoda*, *Mollugo molluginea*, *Acacia adoxa* var. *Adoxa* \ *Trodia* \ ^Tussock grass \ 1 \ bi

C043

U1<sup>+</sup> *Acacia inaequilatera*, *Corymbia hamersleyana*, *Acacia pruinocarpa* \ *Acacia* \ ^Mallee Tree \ 6 \ bc; M1<sup>+</sup> *Acacia sclerosperma* subsp. *Sclerosperma*, *Acacia pachyacra* \ *Acacia* \ ^tussock grass \ 4 \ bc; M2 *Triodia schinzii* \ *Trodia* \ ^Tussock Grass \ 3 \ bc; G1<sup>+</sup> *Triodia basedowii*, *Senna artemisioides* subsp. *Helmsii*, *Senna artemisioides* subsp. *Helmsii* \ *Trodia* \ ^Tussock grass \ 2 \ bc; G2 *Senna artemisioides* subsp. *Oligophylla*, *Eragrostis eriopoda*, *Eriachne aristidea*, *Ptilotus obovatus* var. *Obovatus*, *Senna notabilis* \ *Senna* \ ^grasses \ 1 \ bi

C044

U1<sup>+</sup> *Acacia inaequilatera*, *Corymbia hamersleyana*, *Acacia inaequilatera* \ *Acacia* \ ^Mallee tree \ 6 \ bc; M1<sup>+</sup> *Eucalyptus gamophylla*, *Hakea lorea* subsp. *Lorea*, *Acacia pachyacra* \ *Eucalyptus* \ ^tree \ bc; M2 *Triodia schinzii*, *Acacia sericophylla*, *Acacia sclerosperma* subsp. *Sclerosperma* \ *Trodia* \ ^tussock grass \ 3 \ bc; G1<sup>+</sup> *Triodia basedowii*, *Scaevola spinescens* \ *Trodia* \ ^Tussock Grass \ 2 \ bc; G2 *Corchorus elachocarpus*, *Dicrasyli cordifolia*, *Ptilotus astrolasius*, *Scaevola parvifolia* subsp. *Parvifolia* \ *Corchorus* \ ^low shrub \ 1 \ bi

C045

U1<sup>+</sup> *Acacia inaequilatera*, *Hakea chordophylla*, *Corymbia hamersleyana* \ *Acacia* \ ^Mallee tree \ 6 \ bc; M1 *Acacia pachyacra*, *Hakea lorea* subsp. *Lorea* \ *Acacia* \ ^Mallee tree \ 4 \ bc; M2<sup>+</sup> *Triodia schinzii*, *Hakea lorea* subsp. *Lorea* \ *Trodia* \ 3 \ bi; G1<sup>+</sup> *Senna artemisioides* subsp. *Helmsii* \ *Senna* \ ^shrub \ 2 \ bi; G2 *Eragrostis eriopoda*, *Eriachne aristidea*, *Corchorus elachocarpus*, *Ptilotus polystachyus*, *Senna notabilis* \ *Eragrostis* \ ^grass \ 1 \ bi

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C046

M1 *Acacia pruinocarpa*, *Hakea lorea* subsp. *Lorea*, *Acacia sclerosperma* subsp. *Sclerosperma*\Acacia\Mallee tree\4\bi; M2^ *Acacia ?aneura*, *Eremophila longifolia*, *Acacia citrinoviridis*\Acaica\Mallee tree\3\bi; G1+^ *Triodia epactia*, *Chrysopogon fallax*, *Tribulus suberosus*, *Trichodesma zeylanicum* var. *Zeylanicum*\Trodia\Tussock Grass\2\I; G2 *Eremophila glabra*, *Dysphania rhadinostachya*, *Enneapogon polyphyllus*, *Eremophila lanceolata*, *Goodenia muelleriana*\Eremophila\shrub\1\bi

C047

U1^ *Acacia ?aneura*\Acacia\Mallee Tree\6\bc; M1^ *Acacia dictyophleba*, *Acacia pruinocarpa*, *Hakea lorea* subsp. *Lorea*, *Eremophila forrestii* ?subsp. *forrestii*\Acacia\Mallee Tree\3\bi; G1+^ *Triodia epactia*, *Chrysopogon fallax*, *Eremophila latrobei* subsp. *Filiformis*\Trodia\Tussock Grass\2\bc; G2 *Eulalia aurea*, *Senna artemisioides* subsp. *oligophylla* ? x *helmsii*, *Cymbopogon obtectus*, *Salsola australis*, *Sida echinocarpa*\Eulalia\grass\1\bi;

C048

U1+^ *Acacia aneura*\Acacia\Mallee Tree\6\bc; M1^ *Psyrax latifolia*\Psyrax\shrub\4\bc; M2 *Chrysopogon fallax*, *Eremophila forrestii* ?subsp. *forrestii*, *Anthobolus leptomerioides*\Chrysopogon\grasses\3\bc; G1^ *Aristida inaequiglumis*, *Ptilotus obovatus* var. *Obovatus*, *Senna artemisioides* subsp. *Helmsii*, *Cleome viscosa*, *Eragrostis tenellula*\Aristida\grasses\1\bi

C049

U1^ *Melaleuca xerophila*, *Acacia tetragonophylla*, *Acacia xiphophylla*\Melaleuca\tree\5\bc; M1^ *Melaleuca glomerata*, *Cleome viscosa*, *Eremophila youngii* subsp. *Lepidota*\3\bc; G1+^ *Cenchrus ciliaris*, *Atriplex amnicola*, *Pluchea ferdinandi-muelleri*, *Rhagodia eremaea*, *Scaevola spinescens*\Cenchrus\grass\2\bc; G2 *Sporobolus australasicus*, *Abutilon fraseri*, *Solanum lasiophyllum*, *Sclerolaena diacantha*, *Portulaca oleracea*\Sporobolus\grasses\1\bi

C050

U1+^ *Melaleuca glomerata*, *Acacia tetragonophylla*, *Eremophila longifolia*\Melaleuca\tree\6\bc; M1^ *Acacia xiphophylla*\Acacia\Mallee Tree\5\bi; M2 *Eremophila youngii* subsp. *Lepidota*, *Acacia ?synchronica*, *Santalum lanceolatum*\Eremophila\shrub\3\bi; G1^ *Rhagodia eremaea*, *Unidentifiable sp.*, *Atriplex amnicola*\Rhagodia\shrub\2\bc; G2^ *Corchorus tridens*, *Enchylaena tomentosa*, *Sporobolus australasicus*, *Malvastrum americanum*, *Poaceae sp.*\Corchorus\shrub\1\bc



## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

C051

U1^ Acacia aneura Melaleuca glomerata\Acaia\Mallee tree\6\bc; Acacia ?synchronicia, Acacia sclerosperma subsp. Sclerosperma, Eremophila youngii subsp. Lepidota, Acacia tetragonophylla, Melaleuca xerophila\Acaia\Mallee Tree\6\bc; M1^ Rhagodia eremaea\Rhagodia^\shrub\3\bi; G1^+ Cenchrus ciliaris, Atriplex amnicola, Senna artemisioides ?subsp. oligophylla x, Triodia epactia\Cenchrus^\grass\2\l; G2 Maireana pyramidata, Sclerolaena sp., Cleome viscosa, Sclerolaena diacantha, Atriplex codonocarpa\Maireana^\shrub\1\bi

C052

U1^+ Melaleuca xerophila, Acacia ?aneura, Acacia ?synchronicia, Grevillea striata, Acacia tetragonophylla\Maleluca^\tree\6\bc; M1^ Chrysopogon fallax, Scaevola spinescens, Eremophila longifolia\Chrysopogon^\grasses\3\bi; G1 Cenchrus ciliaris, Cleome viscosa, Sporobolus australasicus\Cenchrus^\grasses\2\bc; G2^ Corchorus tridens, Eriachne benthamii, Poaceae sp., Melaleuca lanceolata, Solanum lasiophyllum/Corchorus/^\shrub\1\bi

C053

U1^+ Acacia ?aneura, Psydrax latifolia, Acacia tetragonophylla\Acacia\Mallee trees\6\bc; M1^ Acacia ?synchronicia\Acacia^\Mallee Tree\3\bi; G1^ Cenchrus ciliaris, Ptilotus obovatus var. Obovatus\Cenchrus^\shrub\2\bi; G2 Abutilon lepidum, Bidens bipinnata, Blumea tenella, Chrysopogon fallax, Evolvulus alsinoides var. Villosicalyx\Abutilon^\shrub\1\bi

C054

U1^+Acacia ?aneura\Acaica^\mallee tree\6\bc; M1^ Acacia xiphophylla\Acaica^\mallee tree\3\bi; G1^ Salsola australis, Solanum lasiophyllum, Cleome viscosa, Sclerolaena cornishiana, Goodenia muelleriana\Salsola^\shrub\1\bc

C055

U1^+Acacia ?aneura\Acacia^\Mallee Tree\6\l; M1^ Acacia ?synchronicia, Psydrax latifolia\Acacia\mallee tree\4\bi; G1^ Cenchrus ciliaris, Eragrostis setifolia, Sporobolus australasicus, Corchorus tridens, Abutilon lepidum\Cenchrus^\shrub\1\bi

C056

U1^+Acacia ?aneura, Acacia tetragonophylla, Acacia xiphophylla\Acacia\Mallee Tree\6\l; M1^Acacia ?synchronicia Acacia tetragonophylla, Psydrax latifolia Acacia xiphophylla\Acacia\Mallee Tree\4\bc; G1 Chrysopogon fallax, Cenchrus ciliaris\Chrysopogon^\grasses\2\bc; G2^ Eragrostis setifolia, Eriachne mucronata\Eragrostis^\grasses\1\bc

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

C057

U1<sup>+</sup> *Eucalyptus victrix*, *Acacia ?aneura*, *Psydrax latifolia* \Eucalyptus\^tree\6\bc; M1<sup>+</sup> *Vachellia farnesiana*, *Acacia tetragonophylla*, *Acacia ?synchronica* \Vachellia\^shrub\4\bc; M2 *Eremophila longifolia* \Eremophila\^shrub\3\bi; G1 *Cenchrus ciliaris*, *Chrysopogon fallax* \Cenchrus\^grasses\2\bc; G2<sup>+</sup> *Eriachne benthamii*, *Corchorus tridens*, *Mimulus gracilis*, *Blumea tenella*, *Eragrostis tenellula* \Eriachne\^grasses\1\bc

C058

M1<sup>+</sup> *Acacia ?synchronica*, *Acacia ?aneura* \Acacia\Mallee Tree\4\bc; M2 *Vachellia farnesiana* \Vachellia\^Shrubs\3\bi; G1<sup>+</sup> *Cenchrus ciliaris*, *Atriplex amnicola* \Cenchrus\^grasses\2\bc; G2 *Eragrostis setifolia*, *Sporobolus australasicus*, *Cleome viscosa*, *Corchorus tridens*, *Sclerolaena ?deserticola* \Eragrostis\^grasses\1\bc

C059

U1<sup>+</sup> *Acacia ?synchronica*, *Acacia xiphophylla*, *Atriplex amnicola* \Acacia\Mallee Tree\6\bi; G1 *Cenchrus ciliaris* \Cenchrus\^shrub\2\bi; G2<sup>+</sup> *Sclerolaena cuneata*, *Salsola australis*, *Trianthema triquetra*, *Heliotropium heteranthum*, *Goodenia muelleriana* \Sclerolaena\^shrub\bc

C060

U1<sup>+</sup> *Acacia ?aneura*, *Acacia tetragonophylla*, *Psydrax latifolia*, *Eremophila longifolia* \Acacia\Mallee Tree\6\bc; M1 *Acacia ?synchronica* \Acacia\Mallee Tree\4\bc; M2<sup>+</sup> *Chrysopogon fallax*, *Senna artemisioides* subsp. *Oligophylla*, *Vachellia farnesiana* \Chrysopogon\^Shrub\3\bc; G1<sup>+</sup> *Cenchrus ciliaris*, *Cleome viscosa* \Cenchrus\^grasses\2\bc; G2 *Blumea tenella*, *Corchorus tridens*, *Malvastrum americanum*, *Spermacoce brachystema*, *Ipomoea muelleri* \Blumea\^grasses\bc

C061

U1<sup>+</sup> *Acacia ?aneura* \Acacia\Mallee Tree\6\bi; M1 *Psydrax latifolia* \Psydrax\^shrub\4\bi; M2<sup>+</sup> *Triodia epactia*, *Chrysopogon fallax*, *Eremophila forrestii* ?subsp. *forrestii*, *Senna artemisioides* subsp. *Oligophylla* \Triodia\^Tussock Grasses\3\bc; G1<sup>+</sup> *Cenchrus ciliaris*, *Ptilotus obovatus* var. *Obovatus*, *Senna artemisioides* subsp. *helmsii* \Cenchrus\^other grasses\2\bc; G2 *Cleome viscosa*, *Maireana planifolia*, *Bidens bipinnata*, *Cenchrus setiger*, *Enchylaena tomentosa* \Cleome\^other grasses\1\bi

C062

M1<sup>+</sup> *Acacia pruinocarpa*, *Acacia inaequilatera* \Acacia\Mallee Tree\4\bc; M1<sup>+</sup> *Chrysopogon fallax*, *Acacia pachyacra*, *Grevillea wickhamii* subsp. *Hispidula*, *Senna glutinosa* subsp. *Glutinosa* \Chrysopogon\^other grasses\3\bi; G1<sup>+</sup> *Triodia epactia*, *Cenchrus ciliaris*, *Acacia dictyophleba* \Triodia\^Tussock Grass\2\bi; G2

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*Gossypium australe*, *Eragrostis eriopoda*, *Solanum lasiophyllum*, *Senna notabilis*, *Aristida holathera* var. *Holathera*\Gossypium\^Shrubs\1\bc

C063

U1^+Acacia ?aneura, Acacia pruinocarpa\Acacia\Mallee Tree\5\bc; M1^ Chrysopogon fallax, Psydrax latifolia, Eremophila longifolia\Chrysopogon\^other grasses\3\bc; G1^ Triodia epactia, Eremophila forrestii ?subsp. forrestii, Senna artemisioides subsp. Oligophylla\Trodia\^Tussock Grass\2\bi; G2^ Eremophila lanceolata, Eragrostis cumingii, Nicotiana occidentalis subsp. Oblique, Bidens bipinnata, Enneapogon polyphyllus\Eremophila\^low shrub\1\^bi

C065

U1^ Acacia citrinoviridis, Hakea lorea subsp. Lorea\Acacia\Mallee Tree\6\bc; M1^ Acacia dictyophleb, Triodia epactia, Acacia pyriformis var. ?morrisonii, Acacia sclerosperma subsp. Sclerosperma, Atalaya hemiglaucula\Acacia\Mallee Tree\3\bc; G1^+ Cenchrus ciliaris, Gossypium australe\Cenchrus\^other grasses\2\; G2 Indigofera monophylla, Solanum lasiophyllum, Phyllanthus maderaspatensis, Sporobolus australasicus, Euphorbia australis\Indigofera\^low shrub\1\bi

C066

M1^ +Acacia ?aneura, Triodia epactia\Acacia\Mallee Tree\3\bi; G1^ Acacia ?synchronica\Acacia\Mallee Tree\2\bi; G2 Cleome viscosa, Sclerolaena cornishiana, Dactyloctenium radicans, Enneapogon polyphyllus, Goodenia muelleriana\Cleome\^Shrubs\1\bi

C067

U1^+ Acacia ?aneura, Psydrax latifolia\Acacia\Mallee Tree\6\c; M1^ Acacia ?synchronica, Acacia inaequilatera, Acacia tetragonophylla, Eremophila longifolia\Acacia\Mallee Tree\4\bi; M2 Chrysopogon fallax, Triodia epactia\Chrysopogon\^other grasses\3\bc; G1^ Poaceae sp. 1, Eragrostis cumingii, Perotis rara, *Nicotiana occidentalis* subsp. *Oblique*, *Pterocaulon* sp.\ Poaceae\^other grasses\1\bi

C068

U1^Acacia citrinoviridis, Acacia pruinocarpa, Acacia aptaneura\Acacia\Mallee Tree\6\, M1 Acacia ?synchronica, Acacia ancistrocarpa, Acacia inaequilatera\Acacia\Mallee Tree\4\bi; M2^ Chrysopogon fallax, Cullen leucanthum, Corchorus tridens, Acacia dictyophleba\Chrysopogon\^Other Grasses\3\bc; G1^+ Cenchrus ciliaris, Cenchrus setiger\Cenchrus\^other grasses\2\c; G2 Eulalia aurea, Cleome viscosa, Sporobolus australasicus, Salsola australis, Senna artemisioides subsp. Oligophylla\Eulalia\^other grasses\1\bi

C069

U1^ Acacia aptaneura, Corymbia hamersleyana, Hakea lorea subsp. Lorea\Acacia\Mallee Tree\6\bc; M1^ Acacia ?synchronica, Acacia sclerosperma subsp. Sclerosperma, Atalaya

## Appendix E: Level VI: Sub-Association Of Vegetation For Each Quadrat

hemiglauca\Acacia\Mallee Tree\4\bc; M2 Vachellia farnesiana\Vachellia\shrub\3\bi; G1^+ Cenchrus ciliaris, Cenchrus setiger, Eulalia aurea\Cenchrus\^other grasses\2\l; G2 Corchorus tridens, Sclerolaena cornishiana, Aristida holathera, Senna artemisioides subsp. Oligophylla, Salsola australis\Corchorus\^other grasses\1\bi

C070

U1^Acacia aneura, Corymbia hamersleyana, Hakea lorea subsp. Lorea, Acacia citrinoviridis, Acacia pruinocarpa\Acacia\Mallee Tree\6\bc; M1^ Acacia ?synchronicia, Atalaya hemiglauca\Acaica\Mallee Tree\4\bc; M2 Chrysopogon fallax\Chrysopogon\^other grasses\3\bi; G1^+ Cenchrus ciliaris, Cenchrus setiger\Cenchrus\^other grasses\2\l; G2 Eulalia aurea, Cleome viscosa, Rhagodia eremaea, Senna artemisioides subsp. Oligophylla, Sclerolaena cornishiana, Gomphrena affinis subsp. Pilbarensis\Eulalia\^other grasses\bi

C071

U1^+ Acacia ?aneura, Corymbia hamersleyana, Acacia aneura, Acacia pruinocarpa, Hakea lorea subsp. Lorea\Acacia\Mallee Tree\6\l; M1 Acacia citrinoviridis\Acacia\Mallee Tree\4\bi; M2^ Chrysopogon fallax, Acacia sclerosperma subsp. Sclerosperma, Gossypium robinsonii, Senna notabilis\Chrysoigin\^other grasses\3\bc; G1^ Cenchrus ciliaris, Cenchrus setiger, Acacia ?synchronicia\Cenchrus\^other grasses\2\l; Abutilon lepidum, Ptilotus obovatus var. Obovatus, Eremophila lanceolata, Cleome viscosa, Corchorus sidoides subsp. Sidoides\Abutilon\low shrubs\1\bi

C072

M1^+ Triodia schinzii, Stylobasium spathulatum\Trodia\^Tussock Grass\3\C; G1 Cenchrus ciliaris\Cenchrus\^other grasses\2; G2^ Eriachne aristidea, *Eriachne aristidea*, Eragrostis eriopoda, Scaevola parvifolia subsp. Parvifolia, Sida sp.\Eriachne\^other grasses\1\bi

C073

U1^ Hakea lorea subsp. Lorea\Hakea\low tree\6\bc; M1^ Petalostylis cassioides, Stylobasium spathulatum, Sida cardiophylla, *Crotalaria cunninghamii*, Triodia schinzii\Petalostylis\^mid shrub\3\bc; G1^ Triodia basedowii, Ptilotus polystachyus, Aristida holathera var. Holathera\Trodia\^Tussock Grass\2\bi; G2 Cenchrus ciliaris, Indigofera monophylla, *Eriachne aristidea*, *Eriachne aristidea*, *Crotalaria cunninghamii*\Cenchrus\^other grasses\1\bi

C074

U1^ Acacia pachyacra, Stylobasium spathulatum, Acacia ?synchronicia\Acaica\Mallee Tree\4\bc; M1^ Acacia sclerosperma subsp. Sclerosperma, Abutilon lepidum sensl.\Acacia\Mallee Tree\3\bc; G1^+Triodia basedowii, Aristida holathera var. Holathera, Cenchrus ciliaris\Trodia\^Tussock Grass\2\r;



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G2 *Corchorus ?elachocarpus*, *Acacia dictyophleba*, *Hibiscus brachychlaenus*, *Eragrostis eriopoda*, *Tribulus macrocarpus* \Corchorus\low shrubs\1\bc

C075

U1^ *Acacia sclerosperma* subsp. *Sclerosperma*, *Acacia inaequilatera*, *Atalaya hemiglauca*, *Corymbia hamersleyana* \Acacia\Mallee Tree\6\r; M1 *Acacia inaequilatera*, *Acacia ?synchronicia*, *Acacia ?aneura* \Acacia\4\bc; M2 ^+ *Triodia basedowii*, *Chrysopogon fallax*, *Stylobasium spathulatum*, *Acacia pachyacra* \Trodia\Tussock Grass\3\c; G1^ *Cenchrus ciliaris*, *Ptilotus exaltatus* var. *Exaltatus*, *Senna artemisioides* subsp. *Oligophylla* \Cenchrus\Other grasses\2\bc; G2 *Eragrostis eriopoda*, *Eriachne ?mucronata*, *Portulaca oleracea*, *Boerhavia coccinea*, *Dactyloctenium radulans* \Eragrostis\other grasses\1\bi

## Appendix F

# Species Recorded in the Nyidinghu Study Area

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## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
Acanthaceae			<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i> <i>Rostellularia adscendens</i> var. <i>clementii</i>
Aizoaceae			<i>Trianthema glossostigma</i> <i>Trianthema pilosa</i> <i>Trianthema triquetra</i>
Amaranthaceae	*		<i>Aerva javanica</i> <i>Alternanthera denticulata</i> <i>Alternanthera nana</i> <i>Amaranthus cuspidifolius</i> <i>Amaranthus undulatus</i> <i>Gomphrena affinis</i> subsp. <i>pilbarensis</i> <i>Gomphrena cunninghamii</i> <i>Ptilotus aervoides</i> <i>Ptilotus astrolasius</i> <i>Ptilotus auriculifolius</i> <i>Ptilotus calostachyus</i> <i>Ptilotus exaltatus</i> var. <i>exaltatus</i> <i>Ptilotus fusiformis</i> <i>Ptilotus gaudichaudii</i> var. <i>gaudichaudii</i> <i>Ptilotus gomphrenoides</i> <i>Ptilotus helipteroides</i> <i>Ptilotus macrocephalus</i> <i>Ptilotus obovatus</i> <i>Ptilotus obovatus</i> var. <i>obovatus</i> <i>Ptilotus polystachyus</i>
Apiaceae			<i>Trachymene oleracea</i> subsp. <i>oleracea</i>
Apocynaceae			<i>Marsdenia australis</i> <i>Rhyncharrhena linearis</i>
Asteraceae	*	P1	Asteraceae sp. <i>Bidens bipinnata</i> <i>Blumea tenella</i> <i>Brachyscome</i> sp. <i>Calotis multicaulis</i> <i>Calotis plumulifera</i> <i>Calotis squamigera</i> <i>Centipeda minima</i> <i>Centipeda minima</i> subsp. <i>macrocephala</i> <i>Pluchea dunlopii</i> <i>Pluchea ferdinandi-muelleri</i> <i>Pluchea rubelliflora</i> <i>Pterocaulon serrulatum</i> <i>Pterocaulon</i> sp. <i>Pterocaulon sphacelatum</i> <i>Pterocaulon sphaeranthoides</i> <i>Streptoglossa bubakii</i> <i>Streptoglossa decurrens</i> <i>Streptoglossa odora</i> <i>Streptoglossa tenuiflora</i>



## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
Boraginaceae			<i>Ehretia saligna</i> var. <i>saligna</i> <i>Heliotropium chrysocarpum</i> <i>Heliotropium cunninghamii</i> <i>Heliotropium heteranthum</i> <i>Heliotropium inexplicitum</i> <i>Heliotropium ovalifolium</i> <i>Heliotropium tenuifolium</i> <i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>
Brassicaceae			<i>Lepidium pholidogynum</i> <i>Stenopetalum nutans</i> <i>Stenopetalum pedicellare</i>
Campanulaceae			<i>Wahlenbergia tumidifruca</i>
Capparaceae			<i>Capparis spinosa</i> <i>Capparis umbonata</i> <i>Cleome oxalidea</i> <i>Cleome viscosa</i>
Caryophyllaceae			<i>Polycarpaea corymbosa</i> <i>Polycarpaea holtzei</i> <i>Polycarpaea longiflora</i> <i>Polycarpaea longiflora</i> (red form)
Chenopodiaceae			<i>Atriplex amnicola</i> <i>Atriplex bunburyana</i> <i>Atriplex codonocarpa</i> <i>Atriplex</i> sp. <i>Dissocarpus paradoxus</i> <i>Dysphania kalpari</i> <i>Dysphania melanocarpa</i> forma <i>leucocarpa</i> <i>Dysphania rhadinostachya</i> subsp. <i>inflata</i> <i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i> <i>Dysphania</i> sp. <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> <i>Eremophea spinosa</i> <i>Maireana planifolia</i> <i>Maireana planifolia</i> x <i>villosa</i> <i>Maireana pyramidata</i> <i>Maireana tomentosa</i> subsp. <i>tomentosa</i> <i>Maireana villosa</i> <i>Rhagodia eremaea</i> <i>Salsola australis</i> <i>Sclerolaena cornishiana</i> <i>Sclerolaena costata</i> <i>Sclerolaena cuneata</i> <i>Sclerolaena densiflora</i> <i>Sclerolaena deserticola</i> <i>Sclerolaena diacantha</i> <i>Sclerolaena</i> sp. <i>Sclerolaena tetragona</i>

## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
Chloanthaceae			<i>Bonamia erecta</i> <i>Bonamia rosea</i> <i>Bonamia sp.</i> <i>Bonamia sp.</i> Dampier (A.A. Mitchell PRP 217) <i>Convolvulus clementii</i> <i>Convolvulus sp.</i> <i>Dicrastylis cordifolia</i> <i>Duperreya commixta</i> <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i> <i>Ipomoea coptica</i> <i>Ipomoea muelleri</i> <i>Ipomoea polymorpha</i> <i>Operculina aequisepala</i> <i>Polymeria aff. ambigua</i> (PAN 26B-20) <i>Polymeria ambigua</i>
Cucurbitaceae	*		<i>Austrobryonia pilbarensis</i> <i>Citrullus colocynthis</i> <i>Cucumis maderaspatanus</i> <i>Cucumis melo</i> subsp. <i>agrestis</i>
Cyperaceae		P3	<i>Bulbostylis barbata</i> <i>Bulbostylis burbidgeae</i> <i>Bulbostylis turbinata</i> <i>Cyperus iria</i> <i>Fimbristylis dichotoma</i> <i>Fimbristylis simulans</i>
Euphorbiaceae			<i>Euphorbia aff. coghlanii</i> <i>Euphorbia alsiniiflora</i> <i>Euphorbia australis</i> <i>Euphorbia australis</i> (mid-green form) <i>Euphorbia biconvexa</i> <i>Euphorbia boophthona</i> (Large seed form) <i>Euphorbia sp.</i> <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Hamersley form) <i>Notoleptopus decaisnei</i> <i>Phyllanthus erwinii</i> <i>Phyllanthus maderaspatensis</i>
Fabaceae			<i>Acacia adoxa</i> var. <i>adoxo</i> <i>Acacia adsurgens</i> <i>Acacia aff. aneura</i> (grey flat recurved tips; MET 15,828) <i>Acacia aff. aneura</i> (long, flat, recurved; FMR 35.3) <i>Acacia aff. aneura</i> (narrow fine veined; site 1259) <i>Acacia ancistrocarpa</i> <i>Acacia aneura</i> <i>Acacia aneura</i> var. ? <i>aneura/intermedia</i> <i>Acacia aneura</i> var. <i>intermedia</i> <i>Acacia arida</i> <i>Acacia bivenosa</i> <i>Acacia citrinoviridis</i> <i>Acacia citrinoviridis</i> (atypical) <i>Acacia coriacea</i> subsp. <i>pendens</i>

## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
			<i>Acacia dictyophleba</i>
			<i>Acacia elachantha</i> (golden hairy form)
			<i>Acacia hilliana</i>
			<i>Acacia inaequilatera</i>
			<i>Acacia ligulata</i>
			<i>Acacia maitlandii</i>
			<i>Acacia melleodora</i>
			<i>Acacia pachyacra</i>
			<i>Acacia pruinocarpa</i>
			<i>Acacia pyrifolia</i>
			<i>Acacia pyrifolia</i> var. <i>morrisonii</i>
			<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>
			<i>Acacia sclerosperma</i>
			<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>
			<i>Acacia sericophylla</i>
			<i>Acacia spondylophylla</i>
			<i>Acacia synchronicia</i>
			<i>Acacia tetragonophylla</i>
			<i>Acacia trudgeniana</i>
			<i>Acacia tumida</i> var. <i>pilbarensis</i>
			<i>Acacia victoriae</i>
			<i>Acacia xiphophylla</i>
			<i>Aeschynomene indica</i>
			<i>Alysicarpus muelleri</i>
			<i>Crotalaria cunninghamii</i>
			<i>Crotalaria medicaginea</i> var. <i>neglecta</i>
			<i>Cullen cinereum</i>
			<i>Cullen leucanthum</i>
			<i>Cullen leucochaites</i>
			<i>Glycine canescens</i>
			<i>Indigofera colutea</i>
			<i>Indigofera georgei</i>
			<i>Indigofera linifolia</i>
			<i>Indigofera monophylla</i> (brown calyx form)
			<i>Indigofera</i> sp.
			<i>Lotus cruentus</i>
			<i>Neptunia dimorphantha</i>
			<i>Petalostylis cassioides</i>
			<i>Petalostylis labicheoides</i>
			<i>Rhynchosia minima</i>
			<i>Senna artemisioides</i> subsp. aff. <i>oligophylla</i> (thinly sericeous)
			<i>Senna artemisioides</i> subsp. <i>artemisioides</i>
			<i>Senna artemisioides</i> subsp. <i>helmsii</i>
			<i>Senna artemisioides</i> subsp. <i>oligophylla</i>
			<i>Senna artemisioides</i> subsp. <i>oligophylla</i> (sericea form)
			<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>
			<i>Senna glutinosa</i> subsp. <i>chatelainiana</i>
			<i>Senna glutinosa</i> subsp. <i>glutinosa</i>
			<i>Senna glutinosa</i> subsp. <i>pruinosa</i>
			<i>Senna glutinosa</i> subsp. x <i>glutinosa</i> x <i>stricta</i>
			<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>
			<i>Senna notabilis</i>
			<i>Swainsona kingii</i>
			<i>Tephrosia</i> aff. <i>densa</i>

**Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011**

\* denotes introduced species

Family	Weed	Cons Code	Taxon
Goodeniaceae		P1	<i>Tephrosia</i> aff. <i>supina</i>
			<i>Tephrosia rosea</i> var. <i>clementii</i>
			<i>Tephrosia rosea</i> var. <i>glabrior</i>
			<i>Tephrosia</i> sp.
			<i>Tephrosia</i> sp. Bungaroo Creek (M.E. Trudgen 11601)
			<i>Tephrosia supina</i>
			<i>Vachellia farnesiana</i>
			<i>Vigna</i> sp. central (M.E. Trudgen 1626)
			<i>Dampiera candidans</i>
			<i>Goodenia microptera</i>
			<i>Goodenia muelleriana</i>
			<i>Goodenia nuda</i>
			<i>Goodenia prostrata</i>
			<i>Goodenia stobbsiana</i>
			<i>Goodenia vilmoriniae</i>
<i>Scaevola parvifolia</i> subsp. <i>parvifolia</i>			
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>			
<i>Scaevola spinescens</i> (broad form)			
<i>Scaevola spinescens</i> (narrow form)			
<i>Velleia connata</i>			
Gyrostemonaceae			<i>Codonocarpus cotinifolius</i>
Haloragaceae			<i>Haloragis gossei</i> var. <i>gossei</i>
Lauraceae			<i>Cassytha capillaris</i>
Loranthaceae			<i>Amyema fitzgeraldii</i> <i>Amyema hilliania</i>
Malvaceae		P3	<i>Abutilon dioicum</i>
			<i>Abutilon fraseri</i>
			<i>Abutilon lepidum</i>
			<i>Abutilon leucopetalum</i>
			<i>Abutilon macrum</i>
			<i>Abutilon malvifolium</i>
			<i>Abutilon otocarpum</i>
			<i>Abutilon trudgenii</i>
			<i>Corchorus crozophorifolius</i>
			<i>Corchorus elachocarpus</i>
			<i>Corchorus lasiocarpus</i> subsp. <i>lasiocarpus</i>
			<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>
			<i>Corchorus sidoides</i> subsp. <i>sidoides</i>
			<i>Corchorus</i> sp.
			<i>Corchorus tectus</i>
			<i>Corchorus tridens</i>
			<i>Corchorus walcottii</i>
			<i>Gossypium australe</i> (Burrup Peninsula form)
			<i>Gossypium robinsonii</i>
			<i>Hibiscus</i> aff. <i>coatesii</i>
<i>Hibiscus brachychlaenus</i>			
<i>Hibiscus burtonii</i>			
<i>Hibiscus sturtii</i> var. <i>platychlamys</i>			



## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
	*		<i>Keraudrenia nephrosperma</i> <i>Malvastrum americanum</i> <i>Melhania oblongifolia</i> <i>Rulingia luteiflora</i> <i>Sida</i> aff. <i>echinocarpa</i> (MET 15,350) <i>Sida</i> aff. <i>fibulifera</i> <i>Sida</i> aff. <i>fibulifera</i> (B64-13B) <i>Sida arenicola</i> <i>Sida arsiniata</i> <i>Sida cardiophylla</i> <i>Sida fibulifera</i> <i>Sida platycalyx</i> <i>Sida</i> sp. <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543) <i>Sida</i> sp. Pilbara (ferruginous form) <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90) <i>Sida</i> sp. verrucose glands (F.H. Mollemans 2423)
		P3	<i>Triumfetta leptacantha</i>
Marsileaceae			<i>Marsilea hirsuta</i>
Molluginaceae			<i>Mollugo molluginea</i>
Myrtaceae			<i>Calytrix carinata</i> <i>Corymbia hamersleyana</i> <i>Corymbia opaca</i> <i>Corymbia</i> sp. <i>Eucalyptus gamophylla</i> <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> <i>Eucalyptus victrix</i> <i>Melaleuca glomerata</i> <i>Melaleuca lanceolata</i> <i>Melaleuca xerophila</i>
Nyctaginaceae			<i>Boerhavia burbridgeana</i> <i>Boerhavia coccinea</i> <i>Boerhavia repleta</i>
Oleaceae			<i>Jasminum didymum</i> subsp. <i>lineare</i>
Pedaliaceae			<i>Josephinia eugeniae</i>
Phrymaceae			<i>Mimulus gracilis</i>
Phrymaceae			<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8
Plantaginaceae			<i>Stemodia</i> sp.
Poaceae			<i>Amhipogon sericeus</i> (Desert form) <i>Aristida contorta</i> <i>Aristida holathera</i> <i>Aristida holathera</i> var. <i>holathera</i> <i>Aristida holathera</i> var. <i>latifolia</i> <i>Aristida hygrometrica</i>

## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
			<i>Aristida inaequiglumis</i>
			<i>Aristida latifolia</i>
			<i>Bothriochloa ewartiana</i>
	*		<i>Brachyachne prostrata</i>
	*		<i>Cenchrus ciliaris</i>
			<i>Cenchrus setiger</i>
			<i>Chloris pectinata</i>
			<i>Chloris</i> sp.
	*		<i>Chloris virgata</i>
			<i>Chrysopogon fallax</i>
			<i>Cymbopogon obtectus</i>
			<i>Cymbopogon</i> sp.
			<i>Dactyloctenium radulans</i>
			<i>Dichanthium sericeum</i> subsp. <i>humilius</i>
	*		<i>Digitaria ctenantha</i>
			<i>Echinochloa colona</i>
			<i>Enneapogon caerulescens</i> var. <i>caerulescens</i>
			<i>Enneapogon intermedius</i>
			<i>Enneapogon polyphyllus</i>
			<i>Enneapogon robustissimus</i>
			<i>Enteropogon ramosus</i>
			<i>Eragrostis crateriformis</i>
			<i>Eragrostis cumingii</i>
			<i>Eragrostis dielsii</i>
			<i>Eragrostis eriopoda</i>
			<i>Eragrostis exigua</i>
			<i>Eragrostis leptocarpa</i>
			<i>Eragrostis setifolia</i>
			<i>Eragrostis</i> sp.
			<i>Eragrostis tenellula</i>
			<i>Eragrostis xerophila</i> (fine leaf form)
			<i>Eragrostis xerophila</i> (typical)
			<i>Eriachne aristidea</i>
			<i>Eriachne benthamii</i>
			<i>Eriachne ciliata</i>
			<i>Eriachne gardneri</i>
			<i>Eriachne helmsii</i>
			<i>Eriachne mucronata</i> (typical form)
			<i>Eriachne obtusa</i>
			<i>Eriachne pulchella</i> subsp. <i>dominii</i>
			<i>Eriachne pulchella</i> subsp. <i>pulchella</i>
			<i>Eulalia aurea</i>
			<i>Iseilema macratherum</i>
			<i>Iseilema membranaceum</i>
			<i>Panicum laevinode</i>
			<i>Paractaenum refractum</i>
			<i>Paraneurachne muelleri</i>
			<i>Paspalidium clementii</i>
			<i>Paspalidium rarum</i>
			<i>Perotis rara</i>
			Poaceae sp.
	*		<i>Setaria verticillata</i>
			<i>Sporobolus australasicus</i>
			<i>Themeda triandra</i>

## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
Poaceae			<i>Tragus australianus</i> <i>Triodia basedowii</i> <i>Triodia epactia</i> <i>Triodia longiceps</i> <i>Triodia pungens</i> <i>Triodia schinzii</i> <i>Triodia</i> sp. Shovelanna Hill (S. van Leeuwen 3835) <i>Yakirra australiensis</i> var. <i>australiensis</i>
Polygalaceae			<i>Polygala isingii</i> <i>Polygala</i> sp. Prostrate (P.K. Latz 4900)
Polygonaceae			<i>Muehlenbeckia florulenta</i>
Portulacaceae			<i>Calandrinia quadrivalvis</i>
Portulacaceae			<i>Portulaca cyclophylla</i> <i>Portulaca oleracea</i> <i>Portulaca pilosa</i>
Proteaceae			<i>Grevillea</i> sp. <i>Grevillea striata</i> <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> <i>Hakea chordophylla</i> <i>Hakea lorea</i> subsp. <i>lorea</i>
Pteridaceae			<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>
Rubiaceae			<i>Oldenlandia</i> sp. <i>Psydrax latifolia</i> <i>Psydrax rigidula</i> <i>Spermacoce brachystema</i>
Santalaceae			<i>Anthobolus leptomerioides</i> <i>Santalum lanceolatum</i>
Sapindaceae			<i>Atalaya hemiglauca</i> <i>Dodonaea coriacea</i> <i>Dodonaea petiolaris</i>
Scrophulariaceae		P1 P4	<i>Eremophila cuneifolia</i> <i>Eremophila forrestii</i> <i>Eremophila forrestii</i> subsp. <i>forrestii</i> <i>Eremophila forrestii</i> x <i>latrobei</i> <i>Eremophila glabra</i> <i>Eremophila jucunda</i> subsp. <i>pulcherrima</i> <i>Eremophila lanceolata</i> <i>Eremophila latrobei</i> subsp. <i>filiformis</i> <i>Eremophila latrobei</i> subsp. <i>latrobei</i> <i>Eremophila longifolia</i> <i>Eremophila spongiocarpa</i> <i>Eremophila youngii</i> subsp. <i>lepidota</i>
Solanaceae			<i>Nicotiana occidentalis</i> subsp. <i>obliqua</i> <i>Nicotiana occidentalis</i> subsp. <i>occidentalis</i>

## Appendix F1: Species Recorded in the Nyidinghu Study Area, 2011

\* denotes introduced species

Family	Weed	Cons Code	Taxon
Solanaceae			<i>Nicotiana simulans</i> <i>Solanum centrale</i> <i>Solanum lasiophyllum</i> <i>Solanum phlomoides</i> <i>Solanum sturtianum</i>
Surianaceae			<i>Stylobasium spathulatum</i>
Verbenaceae			<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>
Violaceae			<i>Hybanthus aurantiacus</i>
Zygophyllaceae			<i>Tribulus astrocarpus</i> <i>Tribulus hirsutus</i> <i>Tribulus macrocarpus</i> <i>Tribulus occidentalis</i> <i>Tribulus suberosus</i>



## Appendix G

Details of Conservation Significant Flora  
Identified in the Nyidinghu Study Area

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*Calotis squamigera* – P1

*Calotis squamigera* is a procumbent annual herb that grows up to 0.21 metres high and is commonly associated with pebbly loam soils. There are two records for *Calotis squamigera* at the WASH including a record on the north bank of the Fortescue Marsh (Christmas Creek tenement) approximately 30 kilometres north of the Study Area. The collection date for this record is 1 May 2011 which is why the desktop Survey did not identify this species. The other record of *Calotis squamigera* was from west of Karijini National Park approximately 150 kilometres east of the Study Area.

A single *Calotis squamigera* plant was recorded from one quadrat located in the centre of the Study Area within an area of Acacia woodland described as AaAsTp.

*Eragrostis crateriformis* – P3

*Eragrostis crateriformis* is an annual grass that grows 0.17-0.42 metres in height and flowers between January and July. Previous records of *Eragrostis crateriformis* have been associated with creek banks and depressions. This species has not been previously recorded in the locality of the Study Area. *Eragrostis crateriformis* is represented by nine records at the WASH.

*Eragrostis crateriformis* was recorded from two quadrats located in the centre and north of the Study Area within areas of Mulga communities. A flowering specimen was collected and was vouchered for the WAH.

*Eremophila spongiorpa*–P1

*Eremophila spongiorpa* is an intricate spreading shrub that grows 0.5-1 meter tall. The branches are rigid and can be spinescent. Leaves are fleshy (7-) 12-24 (-33) x 1.8-4 (-5) mm. Flowers are 1 per axil with a pedicel 3.5-6.5 mm. *Eremophila spongiorpa* is known only from saline soils on the Fortescue Marsh where it occurs on subsaline red clay loams. There are currently 16 records of *Eremophila spongiorpa* at the Western Australia State Herbarium.

*Eremophila spongiorpa* populations were recorded at two quadrats in the northern portion of the Study Area. Both populations were recorded within the MxEy community. One population comprised of 2-5 plants and one population comprised of 6-10 plants.



Plate 1: *Eremophila spongiocarpa* Plate derived from Florabase (WAH 1998-) courtesy of A. Mitchell and S.J. Patrick

*Eremophila youngii* subsp. *lepidota*– P4

*Eremophila youngii* subsp. *lepidota* is a shrub that has persistent lucid scales on the branches and leaves. The sepals of the flower are imbricate towards the base and are 1.5-2.5 mm long. Flowers are red to pink in colour and flowering period is January-March/June-September. *Eremophila youngii* subsp. *lepidota* is restricted to the Carnarvon Botanical District but has some disjunct populations near Fortescue botanical District near Roy Hill, and in the Northern Territory near Mt Doreen Station. *Eremophila youngii* subsp. *lepidota* grows in low-lying areas that are subject to periodic flooding, on red-brown clay or sandy loams. They usually occur in *Acacia* woodland (mulga) and are associated with other species of *Eremophila* and *Senna*. There are currently 25 records of *Eremophila youngii* subsp. *lepidota* at the Western Australia State Herbarium.





**Plate 2:** *Eremophila youngii* subsp. *lepidota* Plate derived from Florabase (WAH 1998-) courtesy of B. Buirchell and M.J Start

*Goodenia nuda* – P4

*Goodenia nuda* was recorded at five quadrats and was observed to be associated with clay loam soils under Mulga woodlands. *Goodenia nuda* was associated with Mulga communities in areas with high bare ground percentages on red brown clay loam soils. Two *Goodenia nuda* populations were recorded near well-used roads, thereby indicating that they are able to survive near infrastructure.



**Plate 1** Photograph of *Goodenia nuda* (P4)



**Plate 3:** *Goodenia nuda* Plate derived from Florabase (WAH 1998-) courtesy of K.C. Richardson

*Vigna* sp. Central (M.E. Trudgen 1626) – P2

*Vigna* sp. Central was identified at one quadrat. Little is known about *Vigna* sp. Central's distribution or characteristics at this time. *Vigna* sp. *Central* is represented by six records at the WASH. No photograph was taken of this species and none are available on florabase.

**Appendix G: Details of Conservation Significant Flora Identified in the Nyidinghu Study Area**

Cons Code	Confirmed Name	Zone	Datum	Easting	Northing	Notes
P1	<i>Calotis squamigera</i>	50	GDA	741264	7490817	not identified in desktop
P3	<i>Eragrostis crateriformis</i>	50	GDA	742220	7494650	not identified in desktop
P3	<i>Eragrostis crateriformis</i>	50	GDA	741608	7499365	not identified in desktop
P1	<i>Eremophila spongiocarpa</i>	50	GDA	743809	7514011	
P1	<i>Eremophila spongiocarpa</i>	50	GDA	743445	7513636	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	743199	7513850	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	743809	7514011	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	743445	7513636	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	744034	7513163	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	744443	7513604	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	744212	7513658	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	743307	7513265	
P4	<i>Eremophila youngii subsp. lepidota</i>	50	GDA	743658	7512778	
P4	<i>Goodenia nuda</i>	50	GDA	743825	7501238	
P4	<i>Goodenia nuda</i>	50	GDA	745204	7494440	
P4	<i>Goodenia nuda</i>	50	GDA	745414	7496399	
P4	<i>Goodenia nuda</i>	50	GDA	743530	7506347	
P4	<i>Goodenia nuda</i>	50	GDA	744618	7492141	
P2	<i>Vigna</i> sp. Central (M.E. Trudgen 1626)	50	GDA	744212	7513658	not identified in desktop

## Appendix H

### Details of Introduced Species Recorded in the Nyidinghu Study Area



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*\*Aerva javanica* – Kapok Bush

*\*Aerva javanica* was introduced in Western Australia to assist in the revegetation of degraded rangelands (Hussey et al 1997). Since then it has become widespread across the state and is often associated with sandy soils along drainage lines. *\*Aerva javanica* was recorded from 15 quadrats in the Project Area and associated with major creeklines (EvAhCc ± 50 plants), flowlines (ApAdCc ± 20 plants), and Mulga communities (AaPsCf and AaAsCc ± 20 plants).



Plate 1 Photograph of *\*Aerva javanica*

*\*Bidens bipinnata*– Bipinnate Beggartick

*Bidens bipinnata* was recorded from 24 quadrats in the Project Area. This species favours wet areas and is often spread by cattle (Hussey et al 1997). *Bidens bipinnata* was recorded in 24 quadrats all associated with Mulga communities and Chenopod shrublands in the northern corridor. There were approximately 100 plants in total in the Mulga communities (AaAsCc, AaAsEs, AaAsTp, AaAtCc, AaEfTp, and AaPsCf) and ± 5 plants in MgCc.



Plate 2 Photograph of *\*Bidens bipinnata*

*\*Cenchrus ciliaris* – Buffel grass

*\*Cenchrus ciliaris* was frequently observed as a dominant understorey species in the Project Area. *\*Cenchrus ciliaris* is commonly planted as a pasture grass (Hussey *et al* 1997) that spreads rapidly as a result of vehicle and cattle movements. *\*Cenchrus ciliaris* was recorded from 207 quadrats and was dominant in areas where water availability was higher such as major creeklines and flowlines. Total number of plants recorded is difficult to predict as numerous communities had over 50% of *\*Cenchrus ciliaris* as groundcover.



**Plate 3** Photograph of *\*Cenchrus ciliaris*

*\*Cenchrus setiger*– Birdwood grass

*\*Cenchrus setiger* was introduced into Western Australia by farmers who used it as a fodder plant for cattle. It has since been recognised as a serious weed of watercourses from Carnarvon to the Kimberley (Hussey *et al* 1997). *\*Cenchrus setiger* was recorded in 37 quadrats and, similarly to *\*Cenchrus ciliaris*, was commonly associated with winter wet areas such as major creeklines and flowlines. .



**Plate 4** Photograph of *\*Cenchrus setiger*

*\*Citrullus lanatus* – Pie Melon

## APPENDIX H – Details of Introduced Species Recorded in the Nyidinghu Study Area

*\*Citrullus lanatus* is a trailing annual herb with yellow flowers. Flowering period is anytime throughout the year. *\*Citrullus lanatus* is commonly located on plains, river banks, centres of dry lakes, drainage areas and disturbed areas. *\*Citrullus lanatus* was recorded in a heavily grazed area. *\*Citrullus lanatus* was recorded from one quadrat in the Project Area which was in the AaAsEs community (approximately 10 plants).



Plate 5 Photograph of *\*Citrullus lanatus* courtesy of R. Randall & J. Dodd (Western Australian Herbarium 1998)

*\*Echinochloa colona*– Awnless barnyard grass

*\*Echinochloa colona* is a widespread weed of creeks, swamps and irrigated crops in the Kimberley and Pilbara (Hussey *et al* 1997). *\*Echinochloa colona* was recorded from 3 quadrats found in AaAtCc and MxEy communities in the northern corridor. Total number of plants was approximately 15 plants.



Plate 6 Photograph of *\*Echinochloa colona* courtesy of S.M. Armstrong and J. English (Western Australian Herbarium 1998-)

*\*Malvastrum americanum* – Spiked Malvastrum

*\*Malvastrum americanum* is a weed of river and creek margins and many arid zone habitats from the Nullarbor to the Pilbara and Kimberley (Hussey *et al* 1997). *\*Malvastrum americanum* was recorded from 34 quadrats from Mulga communities and major creeklines within the Project Area (AaAsCc,



AaAsEs, AaAsTp, AaAtCc, AaPsCf, ApAdCc, EvAhCc, MgCc and MxEy). Total number of plants is approximately 50-100 plants.



Plate 7 Photograph of *Malvastrum americanum*

*Portulaca oleracea* – Purslane

*Portulaca oleracea* is a prostrate succulent herb that is a common and widespread weed of horticulture, paddocks and gardens (DEC 2011). *Portulaca oleracea* was recorded from 128 quadrats in a variety of communities including Mulga, major creeklines, and *Triodia* hummock grasslands. Total number of plants is likely to be above 1000 plants.



Plate 8 Photograph of *Portulaca oleracea*

*Setaria verticillata* – Whorled Pigeon Grass

*Setaria verticillata* is a widespread weed of disturbed land, riverine edges and shrublands from the Kimberley and Pilbara south to Three Springs (Hussey *et al* 1997). *Setaria verticillata* was recorded from two quadrats in the Project Area within *Triodia* hummock grassland community (CoAdTp  $\pm$  5 plants).



Plate 9 Photograph of *Setaria verticillata* courtesy of Forest and Kim Starr (Global Compendium of Weeds 2007)

*Vachellia farnesiana* – Mimosa bush

*Vachellia farnesiana* is commonly recorded in low-lying areas, river and creek banks and disturbed sites (DEC 2011). *Vachellia farnesiana* was recorded from 18 quadrats usually in Mulga communities or Chenopod communities on clay / clayloam soils. Total number of plants recorded is approximately 200 plants.



Plate 10 Photograph of *Vachellia farnesiana* courtesy of J. English, S.D. Hopper and E. Wajon (DEC 2011)

**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
A043	<i>*Aerva javanica</i>	50	GDA	726221	7505439	726270	7505389
A052	<i>*Aerva javanica</i>	50	GDA	739620	7488242	739671	7488193
A055	<i>*Aerva javanica</i>	50	GDA	737981	7492719	738031	7492669
A068	<i>*Aerva javanica</i>	50	GDA	737484	7493933	737535	7493883
A081	<i>*Aerva javanica</i>	50	GDA	740072	7496303	740121	7496255
A082	<i>*Aerva javanica</i>	50	GDA	741192	7495783	741242	7495733
B014	<i>*Aerva javanica</i>	50	GDA	740697	7489768	740747	7489718
B017	<i>*Aerva javanica</i>	50	GDA	738933	7491204	738983	7491154
B019	<i>*Aerva javanica</i>	50	GDA	737677	7493039	737727	7492989
B028	<i>*Aerva javanica</i>	50	GDA	737551	7492797	737601	7492747
B032	<i>*Aerva javanica</i>	50	GDA	732496	7498545	732546	7498495
B036	<i>*Aerva javanica</i>	50	GDA	737689	7493373	737739	7493323
B041	<i>*Aerva javanica</i>	50	GDA	740147	7495798	740197	7495748
B044	<i>*Aerva javanica</i>	50	GDA	735183	7498033	735236	7497981
B092	<i>*Aerva javanica</i>	50	GDA	735319	7498573	735369	7498523
A038	<i>*Bidens bipinnata</i>	50	GDA	743436	7496493	743487	7496443
A074	<i>*Bidens bipinnata</i>	50	GDA	744549	7502323	744602	7502273
B102	<i>*Bidens bipinnata</i>	50	GDA	743872	7512166	743922	7512116
B103	<i>*Bidens bipinnata</i>	50	GDA	743880	7511599	743930	7511551
B104	<i>*Bidens bipinnata</i>	50	GDA	742998	7511789	743048	7511739
B105	<i>*Bidens bipinnata</i>	50	GDA	744367	7510208	744417	7510158
B108	<i>*Bidens bipinnata</i>	50	GDA	743287	7509413	743337	7509363
B116	<i>*Bidens bipinnata</i>	50	GDA	745702	7497783	745752	7497733
B122	<i>*Bidens bipinnata</i>	50	GDA	747983	7495913	748030	7495863
B124	<i>*Bidens bipinnata</i>	50	GDA	749671	7495429	749721	7495379
C022	<i>*Bidens bipinnata</i>	50	GDA	740994	7495233	741044	7495183
C023	<i>*Bidens bipinnata</i>	50	GDA	744382	7504439	744432	7504389
C025	<i>*Bidens bipinnata</i>	50	GDA	743530	7506347	743580	7506297
C030	<i>*Bidens bipinnata</i>	50	GDA	741608	7499365	741658	7499317
C033	<i>*Bidens bipinnata</i>	50	GDA	741565	7501252	741615	7501202
C034	<i>*Bidens bipinnata</i>	50	GDA	744618	7492141	744668	7492091
C048	<i>*Bidens bipinnata</i>	50	GDA	744306	7490890	744356	7490840
C050	<i>*Bidens bipinnata</i>	50	GDA	744212	7513658	744262	7513618
C053	<i>*Bidens bipinnata</i>	50	GDA	744186	7501867	744236	7501817
C057	<i>*Bidens bipinnata</i>	50	GDA	743667	7507419	743717	7507369
C060	<i>*Bidens bipinnata</i>	50	GDA	744423	7509503	744473	7509453
C061	<i>*Bidens bipinnata</i>	50	GDA	743898	7489150	743948	7489100
C063	<i>*Bidens bipinnata</i>	50	GDA	741264	7490817	741314	7490767
C067	<i>*Bidens bipinnata</i>	50	GDA	742220	7494650	742270	7494600
A002	<i>*Cenchrus ciliaris</i>	50	GDA	744287	7484901	744340	7484851
A003	<i>*Cenchrus ciliaris</i>	50	GDA	744069	7484937	744119	7484888
A005	<i>*Cenchrus ciliaris</i>	50	GDA	742340	7486290	742389	7486241
A013	<i>*Cenchrus ciliaris</i>	50	GDA	734388	7497071	734438	7497019
A014	<i>*Cenchrus ciliaris</i>	50	GDA	733489	7496757	733541	7496707
A015	<i>*Cenchrus ciliaris</i>	50	GDA	734068	7496420	734118	7496370
A016	<i>*Cenchrus ciliaris</i>	50	GDA	734164	7496744	734216	7496695
A017	<i>*Cenchrus ciliaris</i>	50	GDA	736852	7497675	736904	7497625
A030	<i>*Cenchrus ciliaris</i>	50	GDA	743216	7499001	743267	7498950
A031	<i>*Cenchrus ciliaris</i>	50	GDA	743493	7499286	743544	7499236
A032	<i>*Cenchrus ciliaris</i>	50	GDA	743411	7498091	743461	7498041
A033	<i>*Cenchrus ciliaris</i>	50	GDA	743345	7497366	743394	7497317
A036	<i>*Cenchrus ciliaris</i>	50	GDA	744114	7497403	744164	7497354
A037	<i>*Cenchrus ciliaris</i>	50	GDA	743248	7496834	743298	7496795
A038	<i>*Cenchrus ciliaris</i>	50	GDA	743436	7496493	743487	7496443
A039	<i>*Cenchrus ciliaris</i>	50	GDA	743885	7495952	743936	7495903
A042	<i>*Cenchrus ciliaris</i>	50	GDA	725995	7505508	726045	7505460

**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
A043	* <i>Cenchrus ciliaris</i>	50	GDA	726221	7505439	726270	7505389
A044	* <i>Cenchrus ciliaris</i>	50	GDA	744618	7486971	744669	7486923
A045	* <i>Cenchrus ciliaris</i>	50	GDA	743882	7486398	743931	7486348
A046	* <i>Cenchrus ciliaris</i>	50	GDA	743101	7486367	743150	7486318
A047	* <i>Cenchrus ciliaris</i>	50	GDA	740389	7486601	740439	7486550
A048	* <i>Cenchrus ciliaris</i>	50	GDA	740445	7485996	740495	7485947
A049	* <i>Cenchrus ciliaris</i>	50	GDA	740771	7485669	740823	7485619
A050	* <i>Cenchrus ciliaris</i>	50	GDA	742937	7489779	742988	7489730
A051	* <i>Cenchrus ciliaris</i>	50	GDA	740153	7488748	740203	7488699
A052	* <i>Cenchrus ciliaris</i>	50	GDA	739620	7488242	739671	7488193
A053	* <i>Cenchrus ciliaris</i>	50	GDA	739394	7488046	739443	7487994
A054	* <i>Cenchrus ciliaris</i>	50	GDA	740071	7490575	740121	7490527
A055	* <i>Cenchrus ciliaris</i>	50	GDA	737981	7492719	738031	7492669
A056	* <i>Cenchrus ciliaris</i>	50	GDA	739713	7491917	739765	7491866
A057	* <i>Cenchrus ciliaris</i>	50	GDA	747994	7483418	748045	7483368
A059	* <i>Cenchrus ciliaris</i>	50	GDA	726297	7504448	726347	7504400
A060	* <i>Cenchrus ciliaris</i>	50	GDA	725297	7504628	725347	7504579
A068	* <i>Cenchrus ciliaris</i>	50	GDA	737484	7493933	737535	7493883
A069	* <i>Cenchrus ciliaris</i>	50	GDA	739650	7493472	739700	7493422
A070	* <i>Cenchrus ciliaris</i>	50	GDA	743289	7484475	743339	7484417
A074	* <i>Cenchrus ciliaris</i>	50	GDA	744549	7502323	744602	7502273
A075	* <i>Cenchrus ciliaris</i>	50	GDA	743148	7501775	743199	7501726
A076	* <i>Cenchrus ciliaris</i>	50	GDA	743825	7501238	743875	7501185
A077	* <i>Cenchrus ciliaris</i>	50	GDA	742038	7500105	742089	7500056
A077	* <i>Cenchrus ciliaris</i>	50	GDA	742038	7500105	742089	7500056
A078	* <i>Cenchrus ciliaris</i>	50	GDA	740998	7499934	741048	7499885
A079	* <i>Cenchrus ciliaris</i>	50	GDA	738755	7497085	738808	7497035
A080	* <i>Cenchrus ciliaris</i>	50	GDA	739500	7496999	739550	7496950
A081	* <i>Cenchrus ciliaris</i>	50	GDA	740072	7496303	740121	7496255
A082	* <i>Cenchrus ciliaris</i>	50	GDA	741192	7495783	741242	7495733
A082	* <i>Cenchrus ciliaris</i>	50	GDA	741192	7495783	741242	7495733
B005	* <i>Cenchrus ciliaris</i>	50	GDA	744188	7485269	744238	7485219
B006	* <i>Cenchrus ciliaris</i>	50	GDA	744455	7486008	744507	7485958
B007	* <i>Cenchrus ciliaris</i>	50	GDA	744755	7486482	744798	7486430
B008	* <i>Cenchrus ciliaris</i>	50	GDA	742102	7487964	742152	7487914
B009	* <i>Cenchrus ciliaris</i>	50	GDA	742053	7488313	742103	7488263
B010	* <i>Cenchrus ciliaris</i>	50	GDA	742434	7488877	742484	7488827
B010	* <i>Cenchrus ciliaris</i>	50	GDA	742434	7488877	742484	7488827
B011	* <i>Cenchrus ciliaris</i>	50	GDA	741635	7486742	741684	7486692
B012	* <i>Cenchrus ciliaris</i>	50	GDA	741427	7488521	741477	7488471
B013	* <i>Cenchrus ciliaris</i>	50	GDA	741488	7488796	741538	7488746
B013	* <i>Cenchrus ciliaris</i>	50	GDA	741488	7488796	741538	7488746
B013	* <i>Cenchrus ciliaris</i>	50	GDA	740697	7489768	740747	7489718
B014	* <i>Cenchrus ciliaris</i>	50	GDA	742688	7491221	742738	7491171
B015	* <i>Cenchrus ciliaris</i>	50	GDA	742688	7491221	742738	7491171
B015	* <i>Cenchrus ciliaris</i>	50	GDA	742688	7491221	742738	7491171
B016	* <i>Cenchrus ciliaris</i>	50	GDA	742628	7491702	742678	7491652
B017	* <i>Cenchrus ciliaris</i>	50	GDA	738933	7491204	738983	7491154
B017	* <i>Cenchrus ciliaris</i>	50	GDA	738933	7491204	738983	7491154
B018	* <i>Cenchrus ciliaris</i>	50	GDA	738636	7491700	738686	7491650
B019	* <i>Cenchrus ciliaris</i>	50	GDA	737677	7493039	737727	7492989
B020	* <i>Cenchrus ciliaris</i>	50	GDA	735695	7498130	735744	7498080
B024	* <i>Cenchrus ciliaris</i>	50	GDA	743809	7514011	743859	7513961
B025	* <i>Cenchrus ciliaris</i>	50	GDA	743445	7513636	743495	7513586
B026	* <i>Cenchrus ciliaris</i>	50	GDA	744034	7513163	744084	7513113
B030	* <i>Cenchrus ciliaris</i>	50	GDA	736094	7494163	736141	7494115



**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
B031	* <i>Cenchrus ciliaris</i>	50	GDA	735724	7494811	735773	7494761
B032	* <i>Cenchrus ciliaris</i>	50	GDA	732496	7498545	732546	7498495
B033	* <i>Cenchrus ciliaris</i>	50	GDA	731873	7498620	731923	7498570
B034	* <i>Cenchrus ciliaris</i>	50	GDA	742993	7487087	743044	7487037
B035	* <i>Cenchrus ciliaris</i>	50	GDA	742924	7487715	742974	7487665
B036	* <i>Cenchrus ciliaris</i>	50	GDA	737689	7493373	737739	7493323
B037	* <i>Cenchrus ciliaris</i>	50	GDA	737685	7494017	737735	7493967
B039	* <i>Cenchrus ciliaris</i>	50	GDA	738510	7494511	738564	7494461
B040	* <i>Cenchrus ciliaris</i>	50	GDA	739257	7494959	739307	7494909
B041	* <i>Cenchrus ciliaris</i>	50	GDA	740147	7495798	740197	7495748
B042	* <i>Cenchrus ciliaris</i>	50	GDA	738844	7496438	738894	7496388
B043	* <i>Cenchrus ciliaris</i>	50	GDA	737940	7496938	737989	7496888
B044	* <i>Cenchrus ciliaris</i>	50	GDA	735183	7498033	735236	7497981
B045	* <i>Cenchrus ciliaris</i>	50	GDA	734419	7499155	734469	7499105
B047	* <i>Cenchrus ciliaris</i>	50	GDA	730116	7500607	730166	7500557
B048	* <i>Cenchrus ciliaris</i>	50	GDA	731978	7500791	732028	7500741
B050	* <i>Cenchrus ciliaris</i>	50	GDA	727469	7503487	727519	7503435
B051	* <i>Cenchrus ciliaris</i>	50	GDA	727357	7503715	727407	7503665
B052	* <i>Cenchrus ciliaris</i>	50	GDA	726892	7504112	726942	7504062
B053	* <i>Cenchrus ciliaris</i>	50	GDA	725838	7504769	725888	7504719
B054	* <i>Cenchrus ciliaris</i>	50	GDA	726948	7505992	726998	7505942
B055	* <i>Cenchrus ciliaris</i>	50	GDA	725504	7507142	725554	7507092
B056	* <i>Cenchrus ciliaris</i>	50	GDA	725912	7507060	725962	7507010
B057	* <i>Cenchrus ciliaris</i>	50	GDA	726199	7506581	726249	7506531
B058	* <i>Cenchrus ciliaris</i>	50	GDA	725825	7505736	725875	7505686
B059	* <i>Cenchrus ciliaris</i>	50	GDA	727126	7504732	727176	7504682
B061	* <i>Cenchrus ciliaris</i>	50	GDA	738280	7485696	738263	7485674
B065	* <i>Cenchrus ciliaris</i>	50	GDA	741154	7485819	741200	7485799
B068	* <i>Cenchrus ciliaris</i>	50	GDA	742144	7485650	742194	7485600
B073	* <i>Cenchrus ciliaris</i>	50	GDA	738090	7486912	738040	7486901
B074	* <i>Cenchrus ciliaris</i>	50	GDA	739717	7486761	739767	7486711
B076	* <i>Cenchrus ciliaris</i>	50	GDA	738447	7487494	738499	7487446
B079	* <i>Cenchrus ciliaris</i>	50	GDA	744156	7483794	744206	7483744
B082	* <i>Cenchrus ciliaris</i>	50	GDA	743170	7494600	743220	7494550
B083	* <i>Cenchrus ciliaris</i>	50	GDA	731658	7500820	731708	7500770
B084	* <i>Cenchrus ciliaris</i>	50	GDA	730333	7500693	730383	7500643
B085	* <i>Cenchrus ciliaris</i>	50	GDA	736380	7494682	736430	7494632
B086	* <i>Cenchrus ciliaris</i>	50	GDA	734969	7495336	735019	7495286
B087	* <i>Cenchrus ciliaris</i>	50	GDA	732574	7497871	732624	7497821
B088	* <i>Cenchrus ciliaris</i>	50	GDA	733250	7497941	733300	7497891
B089	* <i>Cenchrus ciliaris</i>	50	GDA	731511	7499023	731561	7498973
B090	* <i>Cenchrus ciliaris</i>	50	GDA	731661	7499544	731711	7499494
B091	* <i>Cenchrus ciliaris</i>	50	GDA	727274	7502833	727323	7502783
B092	* <i>Cenchrus ciliaris</i>	50	GDA	735319	7498573	735369	7498523
B093	* <i>Cenchrus ciliaris</i>	50	GDA	724451	7507433	724501	7507383
B094	* <i>Cenchrus ciliaris</i>	50	GDA	743086	7508360	743136	7508310
B095	* <i>Cenchrus ciliaris</i>	50	GDA	743950	7508751	743920	7508705
B096	* <i>Cenchrus ciliaris</i>	50	GDA	744048	7508384	744098	7508334
B097	* <i>Cenchrus ciliaris</i>	50	GDA	744493	7508926	744543	7508876
B099	* <i>Cenchrus ciliaris</i>	50	GDA	743397	7506785	743447	7506735
B101	* <i>Cenchrus ciliaris</i>	50	GDA	744497	7511706	744547	7511656
B102	* <i>Cenchrus ciliaris</i>	50	GDA	743872	7512166	743922	7512116
B103	* <i>Cenchrus ciliaris</i>	50	GDA	743880	7511599	743930	7511551
B104	* <i>Cenchrus ciliaris</i>	50	GDA	742998	7511789	743048	7511739
B105	* <i>Cenchrus ciliaris</i>	50	GDA	744367	7510208	744417	7510158
B106	* <i>Cenchrus ciliaris</i>	50	GDA	743767	7510178	743817	7510128

**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
B107	<i>*Cenchrus ciliaris</i>	50	GDA	742892	7510252	742942	7510202
B108	<i>*Cenchrus ciliaris</i>	50	GDA	743287	7509413	743337	7509363
B109	<i>*Cenchrus ciliaris</i>	50	GDA	746276	7493956	746326	7493906
B110	<i>*Cenchrus ciliaris</i>	50	GDA	745204	7494440	745254	7494390
B112	<i>*Cenchrus ciliaris</i>	50	GDA	745256	7495360	745305	7495310
B113	<i>*Cenchrus ciliaris</i>	50	GDA	745414	7496399	745464	7496349
B114	<i>*Cenchrus ciliaris</i>	50	GDA	746401	7496702	746451	7496652
B115	<i>*Cenchrus ciliaris</i>	50	GDA	745078	7497175	745128	7497125
B117	<i>*Cenchrus ciliaris</i>	50	GDA	746277	7498443	746327	7498394
B119	<i>*Cenchrus ciliaris</i>	50	GDA	745000	7498964	745050	7498914
B120	<i>*Cenchrus ciliaris</i>	50	GDA	745005	7599429	745054	7599379
B121	<i>*Cenchrus ciliaris</i>	50	GDA	747149	7496217	747199	7496167
B122	<i>*Cenchrus ciliaris</i>	50	GDA	747983	7495913	748030	7495863
B124	<i>*Cenchrus ciliaris</i>	50	GDA	749671	7495429	749721	7495379
B125	<i>*Cenchrus ciliaris</i>	50	GDA	747213	7495548	747263	7495498
C002	<i>*Cenchrus ciliaris</i>	50	GDA	747502	7483773	747552	7483723
C004	<i>*Cenchrus ciliaris</i>	50	GDA	741743	7493340	741793	7493290
C007	<i>*Cenchrus ciliaris</i>	50	GDA	743816	7491532	743866	7491482
C008	<i>*Cenchrus ciliaris</i>	50	GDA	739069	7492515	739119	7492465
C009	<i>*Cenchrus ciliaris</i>	50	GDA	730248	7501774	730298	7501724
C010	<i>*Cenchrus ciliaris</i>	50	GDA	730231	7501343	730281	7501293
C011	<i>*Cenchrus ciliaris</i>	50	GDA	736757	7495163	736807	7495113
C012	<i>*Cenchrus ciliaris</i>	50	GDA	732636	7500171	732686	7500121
C013	<i>*Cenchrus ciliaris</i>	50	GDA	733450	7499499	733500	7499449
C014	<i>*Cenchrus ciliaris</i>	50	GDA	726793	7505838	726843	7505783
C015	<i>*Cenchrus ciliaris</i>	50	GDA	726643	7505754	726693	7505704
C016	<i>*Cenchrus ciliaris</i>	50	GDA	727331	7504430	727381	7504380
C017	<i>*Cenchrus ciliaris</i>	50	GDA	725016	7507093	725066	7507043
C018	<i>*Cenchrus ciliaris</i>	50	GDA	725064	7506361	725114	7506311
C020	<i>*Cenchrus ciliaris</i>	50	GDA	735964	7495655	736014	7495605
C021	<i>*Cenchrus ciliaris</i>	50	GDA	738081	7495140	738131	7495090
C022	<i>*Cenchrus ciliaris</i>	50	GDA	740994	7495233	741044	7495183
C023	<i>*Cenchrus ciliaris</i>	50	GDA	744382	7504439	744432	7504389
C024	<i>*Cenchrus ciliaris</i>	50	GDA	743034	7504737	743084	7504687
C025	<i>*Cenchrus ciliaris</i>	50	GDA	743530	7506347	743580	7506297
C026	<i>*Cenchrus ciliaris</i>	50	GDA	740661	7499619	740711	7499569
C027	<i>*Cenchrus ciliaris</i>	50	GDA	740084	7498038	740134	7497988
C028	<i>*Cenchrus ciliaris</i>	50	GDA	741633	7498367	741683	7498317
C029	<i>*Cenchrus ciliaris</i>	50	GDA	739413	7499967	739463	7499917
C030	<i>*Cenchrus ciliaris</i>	50	GDA	741608	7499365	741658	7499317
C031	<i>*Cenchrus ciliaris</i>	50	GDA	724003	7500377	724053	7500327
C032	<i>*Cenchrus ciliaris</i>	50	GDA	742383	7501007	742433	7500957
C033	<i>*Cenchrus ciliaris</i>	50	GDA	741565	7501252	741615	7501202
C034	<i>*Cenchrus ciliaris</i>	50	GDA	744618	7492141	744668	7492091
C036	<i>*Cenchrus ciliaris</i>	50	GDA	743466	7492449	743516	7492399
C037	<i>*Cenchrus ciliaris</i>	50	GDA	743051	7489754	743107	7489704
C038	<i>*Cenchrus ciliaris</i>	50	GDA	744120	7488277	744170	7488227
C041	<i>*Cenchrus ciliaris</i>	50	GDA	742921	7484818	742971	7484768
C043	<i>*Cenchrus ciliaris</i>	50	GDA	744627	7485091	744677	7485041
C044	<i>*Cenchrus ciliaris</i>	50	GDA	745177	7484898	745227	7484848
C046	<i>*Cenchrus ciliaris</i>	50	GDA	743536	7488750	743586	7488700
C047	<i>*Cenchrus ciliaris</i>	50	GDA	743700	7490133	743750	7490083
C049	<i>*Cenchrus ciliaris</i>	50	GDA	744443	7513604	744493	7513547
C050	<i>*Cenchrus ciliaris</i>	50	GDA	744212	7513658	744262	7513618
C051	<i>*Cenchrus ciliaris</i>	50	GDA	743307	7513265	743357	7513215
C052	<i>*Cenchrus ciliaris</i>	50	GDA	743658	7512778	743708	7512728

**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
C053	* <i>Cenchrus ciliaris</i>	50	GDA	744186	7501867	744236	7501817
C054	* <i>Cenchrus ciliaris</i>	50	GDA	743066	7502224	743116	7502174
C055	* <i>Cenchrus ciliaris</i>	50	GDA	743953	7503567	744003	7503517
C056	* <i>Cenchrus ciliaris</i>	50	GDA	743756	7505194	743806	7505144
C057	* <i>Cenchrus ciliaris</i>	50	GDA	743667	7507419	743717	7507369
C058	* <i>Cenchrus ciliaris</i>	50	GDA	743148	7508913	743198	7508863
C059	* <i>Cenchrus ciliaris</i>	50	GDA	743550	7509641	743600	7509591
C060	* <i>Cenchrus ciliaris</i>	50	GDA	743898	7489150	743948	7489100
C061	* <i>Cenchrus ciliaris</i>	50	GDA	743898	7489150	743948	7489100
C062	* <i>Cenchrus ciliaris</i>	50	GDA	741107	7490093	741157	7490043
C063	* <i>Cenchrus ciliaris</i>	50	GDA	741264	7490817	741314	7490767
C064	* <i>Cenchrus ciliaris</i>	50	GDA	742681	7493079	742731	7493029
C065	* <i>Cenchrus ciliaris</i>	50	GDA	743155	7492983	743176	7492974
C067	* <i>Cenchrus ciliaris</i>	50	GDA	731000	7500426	731050	7500376
C068	* <i>Cenchrus ciliaris</i>	50	GDA	731000	7500426	731050	7500376
C069	* <i>Cenchrus ciliaris</i>	50	GDA	731204	7501403	731254	7501353
C070	* <i>Cenchrus ciliaris</i>	50	GDA	730767	7501613	730817	7501563
C071	* <i>Cenchrus ciliaris</i>	50	GDA	729735	7502208	729785	7502158
C072	* <i>Cenchrus ciliaris</i>	50	GDA	725957	7506405	725990	7506350
C073	* <i>Cenchrus ciliaris</i>	50	GDA	725712	7506290	725752	7506234
C074	* <i>Cenchrus ciliaris</i>	50	GDA	725962	7506025	726007	7505974
C075	* <i>Cenchrus ciliaris</i>	50	GDA	726023	7506210	726074	7506160
B005	* <i>Cenchrus setiger</i>	50	GDA	744188	7485269	744238	7485219
B006	* <i>Cenchrus setiger</i>	50	GDA	744455	7486008	744507	7485958
B007	* <i>Cenchrus setiger</i>	50	GDA	744755	7486482	744798	7486430
B010	* <i>Cenchrus setiger</i>	50	GDA	742434	7488877	742484	7488827
B011	* <i>Cenchrus setiger</i>	50	GDA	741635	7486742	741684	7486692
B015	* <i>Cenchrus setiger</i>	50	GDA	742688	7491221	742738	7491171
B016	* <i>Cenchrus setiger</i>	50	GDA	742628	7491702	742678	7491652
B019	* <i>Cenchrus setiger</i>	50	GDA	737677	7493039	737727	7492989
B020	* <i>Cenchrus setiger</i>	50	GDA	735695	7498130	735744	7498080
B021	* <i>Cenchrus setiger</i>	50	GDA	734349	7497243	734399	7497193
B022	* <i>Cenchrus setiger</i>	50	GDA	734697	7496128	734747	7496078
B023	* <i>Cenchrus setiger</i>	50	GDA	731421	7500615	731471	7500565
B028	* <i>Cenchrus setiger</i>	50	GDA	737551	7492797	737601	7492747
B031	* <i>Cenchrus setiger</i>	50	GDA	735724	7494811	735773	7494761
B038	* <i>Cenchrus setiger</i>	50	GDA	738561	7493645	738610	7493595
B067	* <i>Cenchrus setiger</i>	50	GDA	741892	7485707	741942	7485657
B090	* <i>Cenchrus setiger</i>	50	GDA	731661	7499544	731711	7499494
C008	* <i>Cenchrus setiger</i>	50	GDA	739069	7492515	739119	7492465
C009	* <i>Cenchrus setiger</i>	50	GDA	730248	7501774	730298	7501724
C010	* <i>Cenchrus setiger</i>	50	GDA	730231	7501343	730281	7501293
C011	* <i>Cenchrus setiger</i>	50	GDA	736757	7495163	736807	7495113
C012	* <i>Cenchrus setiger</i>	50	GDA	732636	7500171	732686	7500121
C013	* <i>Cenchrus setiger</i>	50	GDA	733450	7499499	733500	7499449
C016	* <i>Cenchrus setiger</i>	50	GDA	727331	7504430	727381	7504380
C017	* <i>Cenchrus setiger</i>	50	GDA	725016	7507093	725066	7507043
C020	* <i>Cenchrus setiger</i>	50	GDA	735964	7495655	736014	7495605
C021	* <i>Cenchrus setiger</i>	50	GDA	738081	7495140	738131	7495090
C027	* <i>Cenchrus setiger</i>	50	GDA	740084	7498038	740134	7497988
C031	* <i>Cenchrus setiger</i>	50	GDA	724003	7500377	724053	7500327
C043	* <i>Cenchrus setiger</i>	50	GDA	744627	7485091	744677	7485041
C046	* <i>Cenchrus setiger</i>	50	GDA	743536	7488750	743586	7488700
C061	* <i>Cenchrus setiger</i>	50	GDA	743898	7489150	743948	7489100
C064	* <i>Cenchrus setiger</i>	50	GDA	742681	7493079	742731	7493029
C068	* <i>Cenchrus setiger</i>	50	GDA	731000	7500426	731050	7500376

**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
C069	* <i>Cenchrus setiger</i>	50	GDA	731204	7501403	731254	7501353
C070	* <i>Cenchrus setiger</i>	50	GDA	730767	7501613	730817	7501563
C071	* <i>Cenchrus setiger</i>	50	GDA	729735	7502208	729785	7502158
B100	* <i>Citrullus lanatus</i>	50	GDA	742824	7507179	742874	7507129
B025	* <i>Echinochloa colona</i>	50	GDA	743445	7513636	743495	7513586
B103	* <i>Echinochloa colona</i>	50	GDA	743880	7511599	743930	7511551
B108	* <i>Echinochloa colona</i>	50	GDA	743287	7509413	743337	7509363
A024	* <i>Malvastrum americanum</i>	50	GDA	743059	7503310	743109	7503260
A026	* <i>Malvastrum americanum</i>	50	GDA	743193	7505897	743244	7505846
A029	* <i>Malvastrum americanum</i>	50	GDA	744229	7498700	744278	7498652
A032	* <i>Malvastrum americanum</i>	50	GDA	743411	7498091	743461	7498041
A037	* <i>Malvastrum americanum</i>	50	GDA	743248	7496834	743298	7496795
A038	* <i>Malvastrum americanum</i>	50	GDA	743436	7496493	743487	7496443
A051	* <i>Malvastrum americanum</i>	50	GDA	740153	7488748	740203	7488699
A055	* <i>Malvastrum americanum</i>	50	GDA	737981	7492719	738031	7492669
A075	* <i>Malvastrum americanum</i>	50	GDA	743148	7501775	743199	7501726
A076	* <i>Malvastrum americanum</i>	50	GDA	743825	7501238	743875	7501185
B025	* <i>Malvastrum americanum</i>	50	GDA	743445	7513636	743495	7513586
B042	* <i>Malvastrum americanum</i>	50	GDA	738844	7496438	738894	7496388
B093	* <i>Malvastrum americanum</i>	50	GDA	724451	7507433	724501	7507383
B099	* <i>Malvastrum americanum</i>	50	GDA	743397	7506785	743447	7506735
B100	* <i>Malvastrum americanum</i>	50	GDA	742824	7507179	742874	7507129
B100	* <i>Malvastrum americanum</i>	50	GDA	742824	7507179	742874	7507129
B102	* <i>Malvastrum americanum</i>	50	GDA	743872	7512166	743922	7512116
B103	* <i>Malvastrum americanum</i>	50	GDA	743880	7511599	743930	7511551
B104	* <i>Malvastrum americanum</i>	50	GDA	742998	7511789	743048	7511739
B105	* <i>Malvastrum americanum</i>	50	GDA	744367	7510208	744417	7510158
B108	* <i>Malvastrum americanum</i>	50	GDA	743287	7509413	743337	7509363
B115	* <i>Malvastrum americanum</i>	50	GDA	745078	7497175	745128	7497125
B122	* <i>Malvastrum americanum</i>	50	GDA	747983	7495913	748030	7495863
B123	* <i>Malvastrum americanum</i>	50	GDA	748701	7495313	748751	7495263
C024	* <i>Malvastrum americanum</i>	50	GDA	743034	7504737	743084	7504687
C025	* <i>Malvastrum americanum</i>	50	GDA	743530	7506347	743580	7506297
C026	* <i>Malvastrum americanum</i>	50	GDA	740661	7499619	740711	7499569
C033	* <i>Malvastrum americanum</i>	50	GDA	741565	7501252	741615	7501202
C034	* <i>Malvastrum americanum</i>	50	GDA	744618	7492141	744668	7492091
C050	* <i>Malvastrum americanum</i>	50	GDA	744212	7513658	744262	7513618
C052	* <i>Malvastrum americanum</i>	50	GDA	743658	7512778	743708	7512728
C053	* <i>Malvastrum americanum</i>	50	GDA	744186	7501867	744236	7501817
C057	* <i>Malvastrum americanum</i>	50	GDA	743667	7507419	743717	7507369
C060	* <i>Malvastrum americanum</i>	50	GDA	744423	7509503	744473	7509453
A004	* <i>Portulaca oleracea</i>	50	GDA	743353	7485354	743402	7485304
A006	* <i>Portulaca oleracea</i>	50	GDA	744058	7486769	744107	7487620
A008	* <i>Portulaca oleracea</i>	50	GDA	739793	7485686	739843	7485637
A021	* <i>Portulaca oleracea</i>	50	GDA	742979	7512277	743029	7512228
A022	* <i>Portulaca oleracea</i>	50	GDA	743277	7500466	743327	7500417
A023	* <i>Portulaca oleracea</i>	50	GDA	743929	7500637	743979	7500587
A024	* <i>Portulaca oleracea</i>	50	GDA	743059	7503310	743109	7503260
A025	* <i>Portulaca oleracea</i>	50	GDA	743307	7504109	743357	7504058
A026	* <i>Portulaca oleracea</i>	50	GDA	743193	7505897	743244	7505846
A028	* <i>Portulaca oleracea</i>	50	GDA	744079	7499339	744130	7499289
A029	* <i>Portulaca oleracea</i>	50	GDA	744229	7498700	744278	7498652
A032	* <i>Portulaca oleracea</i>	50	GDA	743411	7498091	743461	7498041
A035	* <i>Portulaca oleracea</i>	50	GDA	744443	7496666	744493	7496616
A036	* <i>Portulaca oleracea</i>	50	GDA	744114	7497403	744164	7497354
A037	* <i>Portulaca oleracea</i>	50	GDA	743248	7496834	743298	7496795



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<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
A038	<i>*Portulaca oleracea</i>	50	GDA	743436	7496493	743487	7496443
A039	<i>*Portulaca oleracea</i>	50	GDA	743885	7495952	743936	7495903
A040	<i>*Portulaca oleracea</i>	50	GDA	724073	7506290	724122	7506239
A041	<i>*Portulaca oleracea</i>	50	GDA	725231	7505844	725281	7505794
A042	<i>*Portulaca oleracea</i>	50	GDA	725995	7505508	726045	7505460
A043	<i>*Portulaca oleracea</i>	50	GDA	726221	7505439	726270	7505389
A044	<i>*Portulaca oleracea</i>	50	GDA	744618	7486971	744669	7486923
A049	<i>*Portulaca oleracea</i>	50	GDA	740771	7485669	740823	7485619
A052	<i>*Portulaca oleracea</i>	50	GDA	739620	7488242	739671	7488193
A054	<i>*Portulaca oleracea</i>	50	GDA	740071	7490575	740121	7490527
A069	<i>*Portulaca oleracea</i>	50	GDA	739650	7493472	739700	7493422
A070	<i>*Portulaca oleracea</i>	50	GDA	743289	7484475	743339	7484417
A073	<i>*Portulaca oleracea</i>	50	GDA	743612	7502613	743663	7502562
A074	<i>*Portulaca oleracea</i>	50	GDA	744549	7502323	744602	7502273
A075	<i>*Portulaca oleracea</i>	50	GDA	743148	7501775	743199	7501726
A076	<i>*Portulaca oleracea</i>	50	GDA	743825	7501238	743875	7501185
A078	<i>*Portulaca oleracea</i>	50	GDA	740998	7499934	741048	7499885
A079	<i>*Portulaca oleracea</i>	50	GDA	738755	7497085	738808	7497035
A082	<i>*Portulaca oleracea</i>	50	GDA	741192	7495783	741242	7495733
B004	<i>*Portulaca oleracea</i>	50	GDA	744675	7484565	744724	7484512
B007	<i>*Portulaca oleracea</i>	50	GDA	744755	7486482	744798	7486430
B008	<i>*Portulaca oleracea</i>	50	GDA	742102	7487964	742152	7487914
B009	<i>*Portulaca oleracea</i>	50	GDA	742053	7488313	742103	7488263
B010	<i>*Portulaca oleracea</i>	50	GDA	742434	7488877	742484	7488827
B012	<i>*Portulaca oleracea</i>	50	GDA	741427	7488521	741477	7488471
B013	<i>*Portulaca oleracea</i>	50	GDA	741488	7488796	741538	7488746
B014	<i>*Portulaca oleracea</i>	50	GDA	740697	7489768	740747	7489718
B015	<i>*Portulaca oleracea</i>	50	GDA	742688	7491221	742738	7491171
B018	<i>*Portulaca oleracea</i>	50	GDA	738636	7491700	738686	7491650
B024	<i>*Portulaca oleracea</i>	50	GDA	743809	7514011	743859	7513961
B026	<i>*Portulaca oleracea</i>	50	GDA	744034	7513163	744084	7513113
B026	<i>*Portulaca oleracea</i>	50	GDA	744034	7513163	744084	7513113
B027	<i>*Portulaca oleracea</i>	50	GDA	744563	7512459	744613	7512409
B027	<i>*Portulaca oleracea</i>	50	GDA	744563	7512459	744613	7512409
B035	<i>*Portulaca oleracea</i>	50	GDA	742924	7487715	742974	7487665
B035	<i>*Portulaca oleracea</i>	50	GDA	742924	7487715	742974	7487665
B038	<i>*Portulaca oleracea</i>	50	GDA	738561	7493645	738610	7493595
B039	<i>*Portulaca oleracea</i>	50	GDA	738510	7494511	738564	7494461
B044	<i>*Portulaca oleracea</i>	50	GDA	735183	7498033	735236	7497981
B045	<i>*Portulaca oleracea</i>	50	GDA	734419	7499155	734469	7499105
B051	<i>*Portulaca oleracea</i>	50	GDA	727357	7503715	727407	7503665
B051	<i>*Portulaca oleracea</i>	50	GDA	727357	7503715	727407	7503665
B052	<i>*Portulaca oleracea</i>	50	GDA	726892	7504112	726942	7504062
B052	<i>*Portulaca oleracea</i>	50	GDA	726892	7504112	726942	7504062
B055	<i>*Portulaca oleracea</i>	50	GDA	725504	7507142	725554	7507092
B056	<i>*Portulaca oleracea</i>	50	GDA	725912	7507060	725962	7507010
B058	<i>*Portulaca oleracea</i>	50	GDA	725825	7505736	725875	7505686
B059	<i>*Portulaca oleracea</i>	50	GDA	727126	7504732	727176	7504682
B059	<i>*Portulaca oleracea</i>	50	GDA	727126	7504732	727176	7504682
B060	<i>*Portulaca oleracea</i>	50	GDA	738669	7485539	738719	7485489
B070	<i>*Portulaca oleracea</i>	50	GDA	737621	7486471	737671	7486421
B071	<i>*Portulaca oleracea</i>	50	GDA	737722	7486506	737772	7486456
B072	<i>*Portulaca oleracea</i>	50	GDA	738206	7486730	738256	7486680
B094	<i>*Portulaca oleracea</i>	50	GDA	743086	7508360	743136	7508310
B097	<i>*Portulaca oleracea</i>	50	GDA	744493	7508926	744543	7508876
B099	<i>*Portulaca oleracea</i>	50	GDA	743397	7506785	743447	7506735

**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
B100	<i>*Portulaca oleracea</i>	50	GDA	742824	7507179	742874	7507129
B106	<i>*Portulaca oleracea</i>	50	GDA	743767	7510178	743817	7510128
B107	<i>*Portulaca oleracea</i>	50	GDA	742892	7510252	742942	7510202
B109	<i>*Portulaca oleracea</i>	50	GDA	746276	7493956	746326	7493906
B110	<i>*Portulaca oleracea</i>	50	GDA	745204	7494440	745254	7494390
B111	<i>*Portulaca oleracea</i>	50	GDA	746252	7495094	746301	7495044
B112	<i>*Portulaca oleracea</i>	50	GDA	745256	7495360	745305	7495310
B113	<i>*Portulaca oleracea</i>	50	GDA	745414	7496399	745464	7496349
B114	<i>*Portulaca oleracea</i>	50	GDA	746401	7496702	746451	7496652
B115	<i>*Portulaca oleracea</i>	50	GDA	745078	7497175	745128	7497125
B116	<i>*Portulaca oleracea</i>	50	GDA	745702	7497783	745752	7497733
B117	<i>*Portulaca oleracea</i>	50	GDA	746277	7498443	746327	7498394
B118	<i>*Portulaca oleracea</i>	50	GDA	746333	7498919	746383	7498869
B119	<i>*Portulaca oleracea</i>	50	GDA	745000	7498964	745050	7498914
B120	<i>*Portulaca oleracea</i>	50	GDA	745005	7599429	745054	7599379
B121	<i>*Portulaca oleracea</i>	50	GDA	747149	7496217	747199	7496167
B122	<i>*Portulaca oleracea</i>	50	GDA	747983	7495913	748030	7495863
B123	<i>*Portulaca oleracea</i>	50	GDA	748701	7495313	748751	7495263
B124	<i>*Portulaca oleracea</i>	50	GDA	749671	7495429	749721	7495379
B125	<i>*Portulaca oleracea</i>	50	GDA	747213	7495548	747263	7495498
C003	<i>*Portulaca oleracea</i>	50	GDA	741680	7492603	741730	7492553
C007	<i>*Portulaca oleracea</i>	50	GDA	743816	7491532	743866	7491482
C008	<i>*Portulaca oleracea</i>	50	GDA	739069	7492515	739119	7492465
C009	<i>*Portulaca oleracea</i>	50	GDA	730248	7501774	730298	7501724
C010	<i>*Portulaca oleracea</i>	50	GDA	730231	7501343	730281	7501293
C012	<i>*Portulaca oleracea</i>	50	GDA	732636	7500171	732686	7500121
C015	<i>*Portulaca oleracea</i>	50	GDA	726643	7505754	726693	7505704
C016	<i>*Portulaca oleracea</i>	50	GDA	727331	7504430	727381	7504380
C017	<i>*Portulaca oleracea</i>	50	GDA	725016	7507093	725066	7507043
C018	<i>*Portulaca oleracea</i>	50	GDA	725064	7506361	725114	7506311
C022	<i>*Portulaca oleracea</i>	50	GDA	740994	7495233	741044	7495183
C026	<i>*Portulaca oleracea</i>	50	GDA	740661	7499619	740711	7499569
C029	<i>*Portulaca oleracea</i>	50	GDA	739413	7499967	739463	7499917
C031	<i>*Portulaca oleracea</i>	50	GDA	724003	7500377	724053	7500327
C033	<i>*Portulaca oleracea</i>	50	GDA	741565	7501252	741615	7501202
C034	<i>*Portulaca oleracea</i>	50	GDA	744618	7492141	744668	7492091
C035	<i>*Portulaca oleracea</i>	50	GDA	744055	7492161	744105	7492111
C036	<i>*Portulaca oleracea</i>	50	GDA	743466	7492449	743516	7492399
C037	<i>*Portulaca oleracea</i>	50	GDA	743051	7489754	743107	7489704
C038	<i>*Portulaca oleracea</i>	50	GDA	744120	7488277	744170	7488227
C040	<i>*Portulaca oleracea</i>	50	GDA	746076	7485690	746126	7485640
C046	<i>*Portulaca oleracea</i>	50	GDA	743536	7488750	743586	7488700
C046	<i>*Portulaca oleracea</i>	50	GDA	743536	7488750	743586	7488700
C047	<i>*Portulaca oleracea</i>	50	GDA	743700	7490133	743750	7490083
C048	<i>*Portulaca oleracea</i>	50	GDA	744306	7490890	744356	7490840
C049	<i>*Portulaca oleracea</i>	50	GDA	744443	7513604	744493	7513547
C050	<i>*Portulaca oleracea</i>	50	GDA	744212	7513658	744262	7513618
C053	<i>*Portulaca oleracea</i>	50	GDA	744186	7501867	744236	7501817
C054	<i>*Portulaca oleracea</i>	50	GDA	743066	7502224	743116	7502174
C058	<i>*Portulaca oleracea</i>	50	GDA	743148	7508913	743198	7508863
C059	<i>*Portulaca oleracea</i>	50	GDA	743550	7509641	743600	7509591
C061	<i>*Portulaca oleracea</i>	50	GDA	743898	7489150	743948	7489100
C063	<i>*Portulaca oleracea</i>	50	GDA	741264	7490817	741314	7490767
C066	<i>*Portulaca oleracea</i>	50	GDA	744362	7494039	744412	7493989
C068	<i>*Portulaca oleracea</i>	50	GDA	731000	7500426	731050	7500376
C071	<i>*Portulaca oleracea</i>	50	GDA	729735	7502208	729785	7502158

**Appendix H: Details of Introduced Species Recorded in the Nyidinghu Study Area**

<b>Plot</b>	<b>Species</b>	<b>Zone</b>	<b>Datum</b>	<b>NW Easting</b>	<b>NW Northing</b>	<b>SE Easting</b>	<b>SE Northing</b>
C075	<i>*Portulaca oleracea</i>	50	GDA	726023	7506210	726074	7506160
C036	<i>*Setaria verticillata</i>	50	GDA	743466	7492449	743516	7492399
C041	<i>*Setaria verticillata</i>	50	GDA	742921	7484818	742971	7484768
A018	<i>*Vachellia farnesiana</i>	50	GDA	743199	7513850	743249	7513799
A042	<i>*Vachellia farnesiana</i>	50	GDA	725995	7505508	726045	7505460
A075	<i>*Vachellia farnesiana</i>	50	GDA	743148	7501775	743199	7501726
B025	<i>*Vachellia farnesiana</i>	50	GDA	743445	7513636	743495	7513586
B094	<i>*Vachellia farnesiana</i>	50	GDA	743086	7508360	743136	7508310
B096	<i>*Vachellia farnesiana</i>	50	GDA	744048	7508384	744098	7508334
B099	<i>*Vachellia farnesiana</i>	50	GDA	743397	7506785	743447	7506735
B100	<i>*Vachellia farnesiana</i>	50	GDA	742824	7507179	742874	7507129
B100	<i>*Vachellia farnesiana</i>	50	GDA	742824	7507179	742874	7507129
B108	<i>*Vachellia farnesiana</i>	50	GDA	743287	7509413	743337	7509363
C009	<i>*Vachellia farnesiana</i>	50	GDA	730248	7501774	730298	7501724
C020	<i>*Vachellia farnesiana</i>	50	GDA	735964	7495655	736014	7495605
C026	<i>*Vachellia farnesiana</i>	50	GDA	740661	7499619	740711	7499569
C028	<i>*Vachellia farnesiana</i>	50	GDA	741633	7498367	741683	7498317
C032	<i>*Vachellia farnesiana</i>	50	GDA	742383	7501007	742433	7500957
C057	<i>*Vachellia farnesiana</i>	50	GDA	743667	7507419	743717	7507369
C058	<i>*Vachellia farnesiana</i>	50	GDA	743148	7508913	743198	7508863
C060	<i>*Vachellia farnesiana</i>	50	GDA	744423	7509503	744473	7509453
C069	<i>*Vachellia farnesiana</i>	50	GDA	731204	7501403	731254	7501353

## Appendix I

Numerical Analysis of Floristic Data from  
the Fortescue Metals Group Nyidinghu  
Project



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**Numerical analysis  
of floristic data from the  
Fortescue Metals Group  
Nyidinghu Project and Nyidinghu Rail  
areas with comparisons to data from the  
surrounding Pilbara Bioregion of Western  
Australia**

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## **1.0 INTRODUCTION**

This report presents the regional analysis of two related projects: Nyidinghu and Nyidinghu Rail (for simplicity, Nyidinghu project area). The analysis was conducted as one for both practical reasons and because it provides a consistent way to relate the analysis for the two projects. Both areas are located in the Pilbara Bioregion of the north-western part of Western Australia

### **1.1 Purpose of this report and data sources**

The purpose of this report is to investigate the conservation value of the vegetation of areas of the Fortescue Metals Group Nyidinghu and Nyidinghu Rail project areas in the northwest of Western Australia as shown by the floristic composition of stands recorded using quadrats. To do this, the report presents the results of numerical analyses of the floristic data (lists of flora species present in the vegetation recording quadrats) recorded from the Nyidinghu project area, combined in a data set with similar floristic data from earlier studies. The data from the Nyidinghu project area was mainly collected by Cardno (WA) Pty Ltd., however there are some sites recorded in the area during earlier surveys.

The regional data set the Nyidinghu project area data is compared to in this report is from studies carried out by a number of consultancies for projects located in other parts of the Pilbara Bioregion. It forms a combined data set (see Table 3) that has two thousand eight hundred and eighty-three (2,883) sites, not including the Nyidinghu data. This data set was used in earlier reports (Griffin & Trudgen 2009a, b, c) and is used in this report as a reference data set and the classification of it using pattern analysis as a reference classification (this maintains continuity of units across these reports).

### **1.2 Adequacy of the regional data set**

The regional data set has been compiled by one of us (MET) over a period of time. Over that time a significant effort has been made to include data that is of a better quality in terms of:

- Collected in better seasons;
- Collected by more experienced workers;
- Specimens identified or checked by one of us (MET);
- Apart from some earlier data from relevés, the data is from 50 x 50 m quadrats or equivalent size of different shape (except in narrow habitats such as narrow creeklines)

and gully floors, where a transect of 100 metres length has been found to be adequate in most cases).

Undoubtedly, there are limitations to the use of this data, in that it tends to be from surveys that are of a restricted area or from rail line routes rather than evenly spread through the Pilbara Bioregion. However, even spread is less important (provided there is adequate spread) than adequate sampling of different geologies, physical habitat types and climate variation. When the regional data set is examined in detail, it can be readily seen that it samples the vegetation of a very wide diversity of underlying geological types, geomorphological types (physical habitat types such as various slopes, crests, creeklines, gullies, gorges, mesa tops, "flats" i.e. small plains within ranges) and soil types, as well as significant variation in climate (including different rainfall areas but also including other factors).

The authors of this report have used the data in the regional data set in analyses for several reports (e.g. Griffin & Trudgen 2011, 2009a, b, c, for all of it and earlier reports for various parts of it). From this experience with the data, we believe that it provides a sufficient basis to investigate the floristic variation present in the vegetation of the Fortescue Metals Group Nyidinghu project area in relation to the vegetation of the Pilbara Bioregion that is adequate for environmental impact assessment purposes. The congruence below between the results from the pattern analyses and physiography supports this assessment.

### **1.3 Interpretation of the levels of classification provided**

A classification of vegetation quadrat data into groups of sites with similar floristic composition (that is into groups of quadrats with similar lists of species in the quadrats placed together) was a fundamental part of the analyses being carried out. Some appreciation of the basis of the groups defined, and some caution are needed in interpreting these groups. They are not directly comparable to the more well known assignment of vegetation stands into *plant communities* based on structure and dominance, or the grouping of such plant communities into *vegetation associations* and then at a very high level *vegetation formations*. The different levels of floristic units defined by the pattern analyses carried out in this report are simply defined by their degree of similarity in the presence and absence of the species recorded at the sites placed in them (that is, on their *floristics*). This is a very different methodology to the emphasis on structure and dominance in the definition of plant communities, vegetation associations and vegetation formations (although the lower order

units in this classification take floristic into account). When more floristic groups are defined (from the same number of quadrats), the groups will have less variation in floristics and probably less variation in structure and dominance. If the data set is large and the number of units is large, this is a low level of synthesis. As the number of groups is decreased (from the same data set), the variation in floristic composition, structure and dominance will increase and the level of synthesis of the groups becomes higher. At a high level of synthesis (relatively few groups for the size of the data set), the variation in floristics of each group (as well as of the structure and dominance of the vegetation of the sites included) will be high and the groups will be quite abstract. This is meant to imply that they have varied composition, not that they do not possess some reality in the sense of dividing the data into different groups with some relationship within the groups defined and differences between groups. Where care needs to be taken, is that the groups defined at different levels of an analysis should be used for purposes appropriate to their level. Importantly, high synthesis level, relatively abstract groups should be used for understanding regional patterns of variation, while lower level groups with an appropriate level of synthesis should be used for conservation assessment.

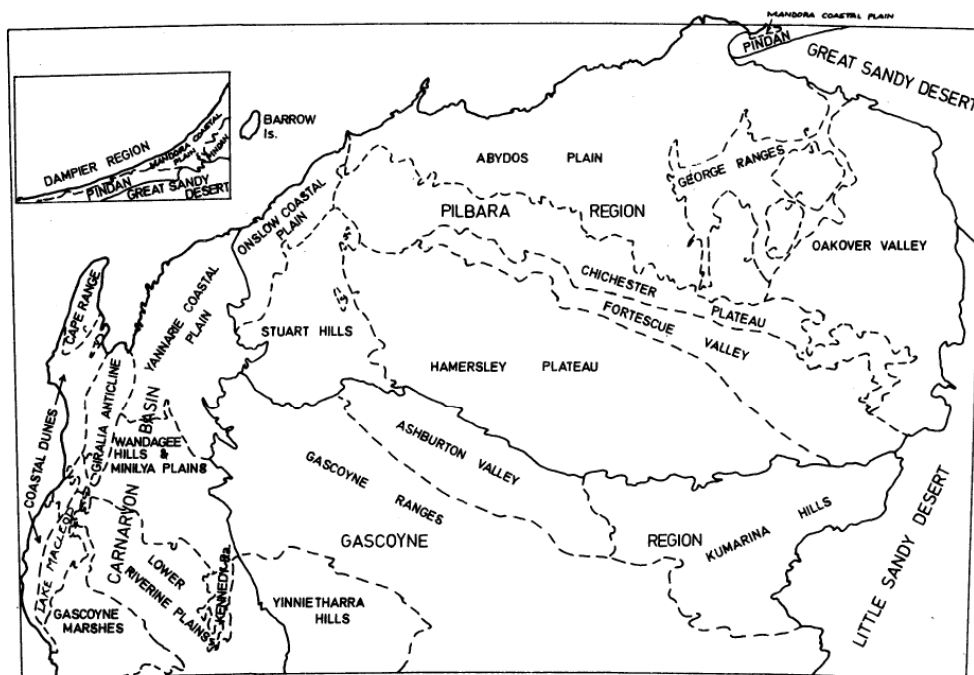
In the analysis presented in this report, it was originally intended that the groups defined in the lower level (the 600-group level) of the classification of the data set used would vary from near (but above) the plant community concept in level of synthesis to near or above the vegetation association level in level of synthesis, although they are not directly comparable to these categories. However, examination of the vegetation descriptions of sites placed within groups at the 600-group level of the analysis shows that it is likely that most are in the upper part of this range to somewhat higher. Certainly, most have variation in structure and dominance that would be at or above the vegetation association level of synthesis. The plant community level groups together sites with similar structure, dominance and floristics, and the vegetation association level groups together similar plant communities. The 600-group level was chosen to be a somewhat similar level of synthesis to these concepts so that the groups defined would not be too abstract for environmental impact assessment purposes. However, it is emphasised that the groups defined are based on a different classification process (that is floristics only, not floristics, dominance and structure). The fact that the 600-group level is somewhat higher in synthesis than originally intended reflects the significant variation in the vegetation of the Pilbara Bioregion and the fact that even 2,883 sites only samples part of that variation without very much repetition.



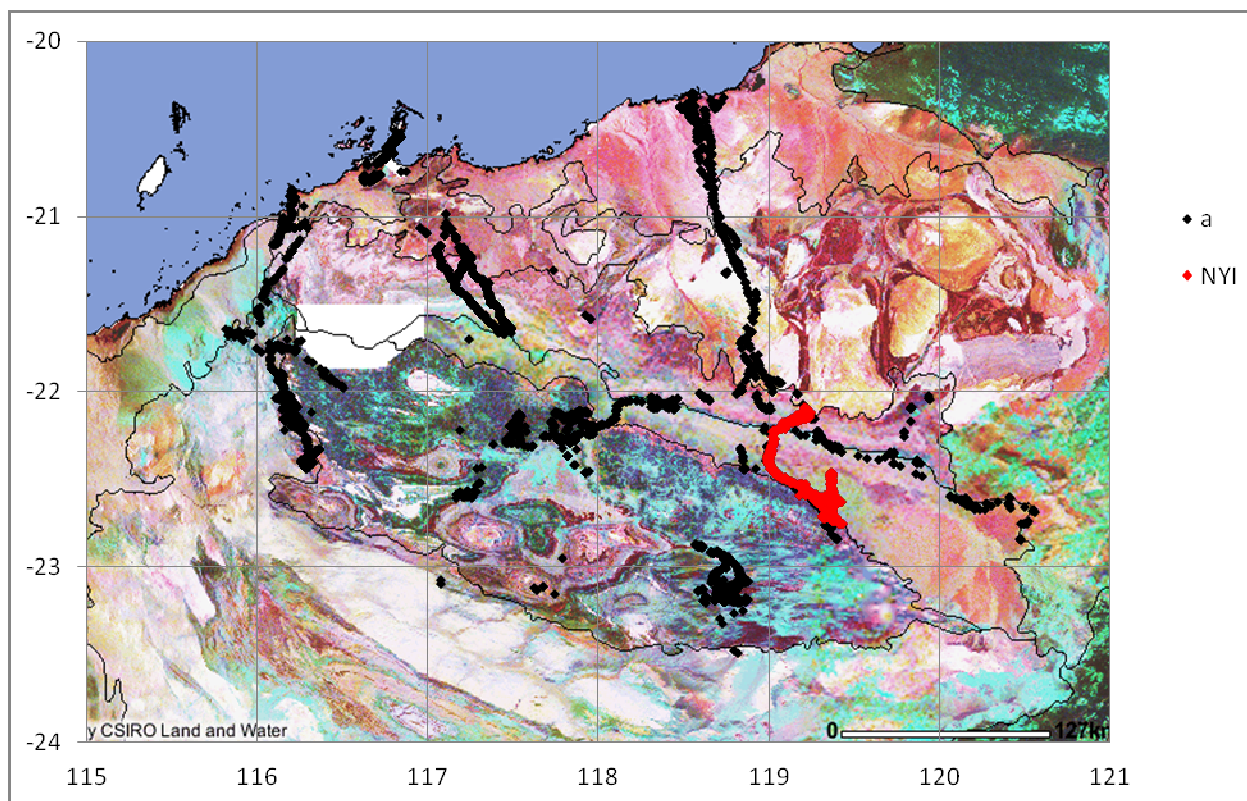
The intermediate levels of the analysis of the overall data set should be considered as varying from near, but above, the vegetation association level to the alliance level (or higher) in level of synthesis (so at least a significant proportion of the groups defined are largely abstract) and are potentially useful for regional comparisons. The higher levels vary from near sub-formation to the formation level in level of synthesis (so the higher level groups defined are quite abstract). Again, it is emphasised that the floristic units defined are not the same as such units (which are based on structure, dominance and floristics, or in the case of vegetation formation, only the structure of the upper layer), as they are only based on floristics. Although of a different type of synthesis to traditional classifications of vegetation, these units, as long as their nature is understood, are useful for the purpose of the analysis. The higher and intermediate levels are suitable for analysing regional distribution patterns and associations with factors such as geology or habitat (for example cracking clay or creek/river relationships).

#### **1.4 Location of the Project area**

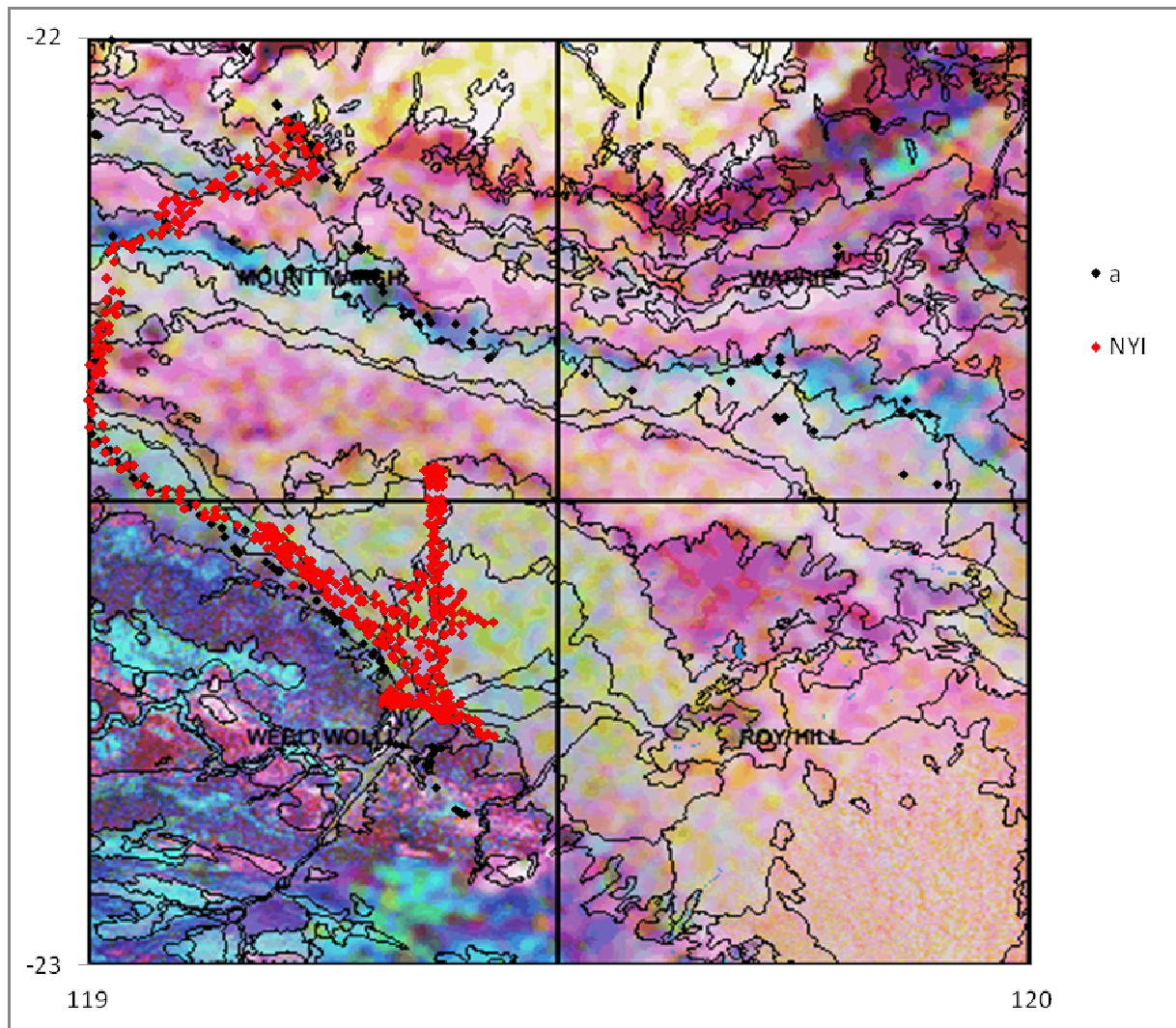
The Fortescue Metals Group Nyidinghu project area is located in the Pilbara Bioregion (Thackway, R., and Cresswell 1995) of the northwest of Western Australia (effectively equivalent to the Pilbara Natural Region (see Map 1 below) and Fortescue Botanical Districts of Beard (1975)). Within this area, the sites recorded for the Nyidinghu project occur in several of Beard's (1975) physiographic sub-areas. These are: in the edge of the Hamersley Range adjacent to the Fortescue Valley, in the Fortescue Valley and on the southern slopes and top of the Chichester Plateau. Within the Fortescue Valley, some of the sites come near the Fortescue Marsh, a large seasonally inundated wetland feature. The Fortescue Valley runs between the Chichester Plateau and Hamersley Range for several hundred kilometres (see Map 1 and Figure 1a and 1b).



**Map 1a.** Natural Regions and physiographic units of the north west of Western Australia  
 Note. From Beard 1975, p. 7. Beard’s Pilbara Region is equivalent to the Pilbara Bioregion.

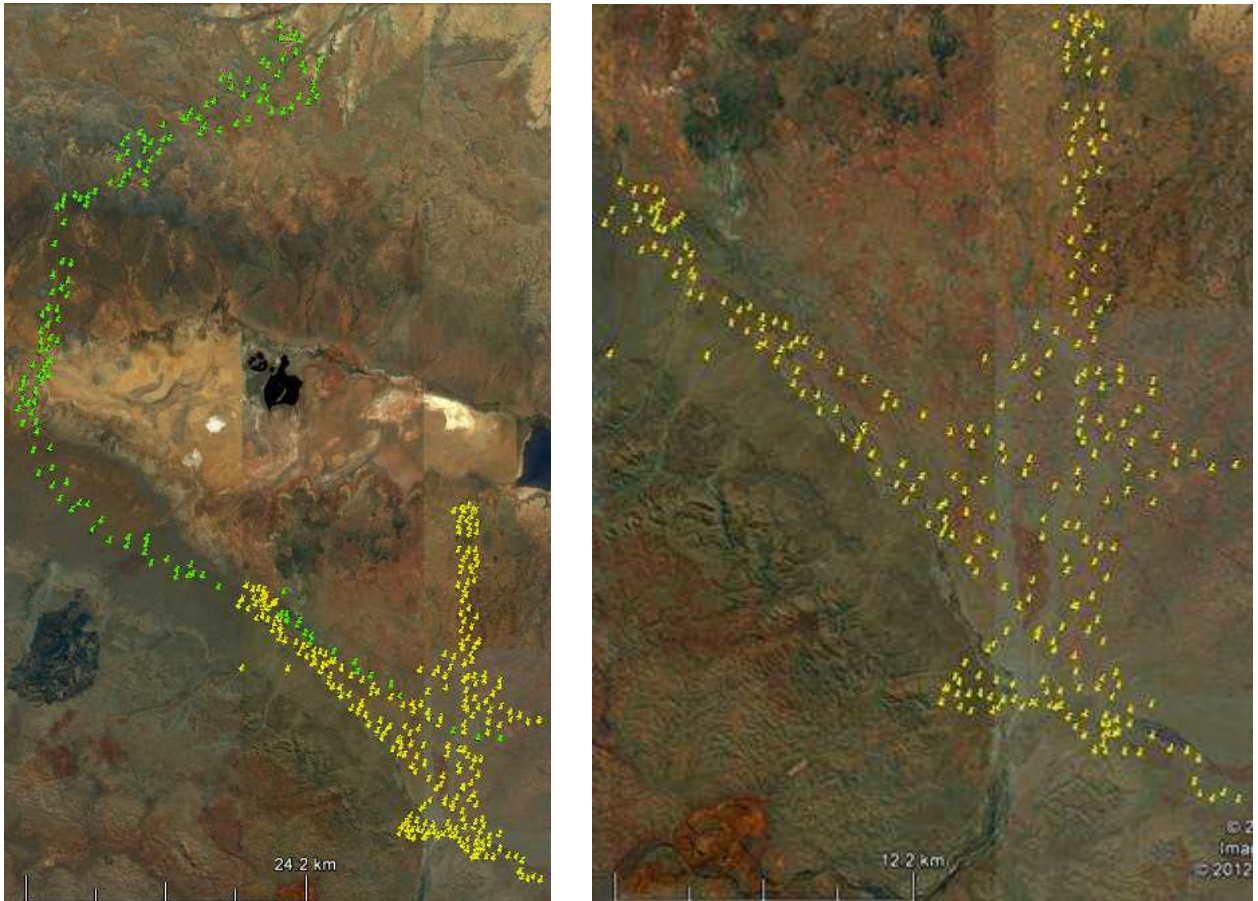


**Map 1b.** All sites on Physiographic regions and Gamma Radiometrics ternary image  
 Notes. Radiometrics from ASRIS website. Nyidinghu project sites red, reference sites black.



Map 1c. All Nyidinghu sites on Land Systems mapping and Gamma Radiometrics ternary image  
Notes. Radiometrics from ASRIS website. Nyidinghu project sites red, reference sites black.





Map 1d. Nyidinghu project area sites on Google Earth images

Notes. Nyidinghu project area sites in yellow, Nyidinghu Rail line sites in green

### **1.5 Landscape and habitat types of the Nyidinghu project**

The vegetation recording sites recorded for the Nyidinghu project area are mainly located in five significant physiographic or geomorphic features. These are the Chichester Plateau, Chichester Slopes, Fortescue Valley, Hamersley Colluvial Slopes and the Weeli Wolli Creek alluvial fan. A few sites are located on the lower to mid-slopes of the Hamersley Range Escarpment and a few on the edge of the Abydos Plain where it abuts the Chichester Plateau. These physiographic features will have a variety of habitats for plants:

- Slopes of the escarpment of the Hamersley Range, habitats will include various slopes (gentle to steep, different aspects) and minor creeklines (with very short lived flow after rain);



- The colluvium/alluvium belt extending from the lower edge of the escarpment of the Hamersley Range to about half way across the Fortescue Valley, habitats will include gently sloping areas, flat areas, minor creeklines;
- The alluvial fan of the Weeli Wolli Creek where it leaves the escarpment of the Hamersley Range and enters the Fortescue Valley. This large feature is one of two such features that occur in the Fortescue Valley, the other being the alluvial fan of the Fortescue River itself. However, while the alluvial fan of the Weeli Wolli Creek is built from material from the Hamersley Range, the alluvial fan of the Fortescue River is largely built from material from south of the Hamersley Range. Habitats on the delta of the Weeli Wolli Creek will include small to medium sized creeks and their minor floodplains, gentle (mostly northerly) slopes and low rises of alluvium and small claypans.
- The floor of the Fortescue Valley, consisting largely of alluvium deposited by the Fortescue River. This is a belt in the middle of the Fortescue Valley and will have flat areas and very gentle slopes. Soils are finer than in most of the other areas and water will be nearer the surface;
- The southern slopes of the Chichester Range (which form the north side of the Fortescue Valley). The project area traverses the "bajada" formed on these slopes by interlocking (compound) alluvial fans of the creeks flowing from the Chichester Plateau (this feature is discussed in Griffin and Trudgen 2011). Habitats include gentle to moderate southerly facing slopes and small to moderate sized creek lines, in the upper part steeper slopes;
- The surface of the Chichester Plateau (mainly basaltic), the project area forms a transect across this large and diverse feature, habitats will include slopes with various steepness and aspect and minor to medium sized creek lines, extensive areas of cracking clay habitat may be crossed;

- The very southern edge of the Abydos Plain (mainly granitic) appears to be in the northern end of the project area, this will have slopes of varying steepness (mainly gentle) and aspect and minor to medium sized creeks.

Obviously, within these physiographic areas, as well as between them, there will be significant variation in geology and soil types that will modify the simple physiographic concept of "habitat" used in the descriptions given here. Also obviously, the project area traverses a series of very different physiographic features and therefore a wide range of habitat types for vegetation.

The Land System mapping in Map 1c is provided only to illustrate one way to partition the land. Table 1 is a brief description of the land systems in which the Nyidinghu sites occur. As with the range of physiographic features sampled by the location of the sites, the nineteen land systems implies a wide range of habitat for vegetation. Note that there is a strong correlation between the land system boundaries and the radiometric data they are superimposed on. This gamma radiometrics image in Map 1c is a reflection of the minerals present in the surface of the soil (or rock where exposed) and therefore provides some indication of plant habitat as it will depend on soil type, depth and parent material.

Table 1: Brief descriptions of the Land Systems in the areas shown in Map 1c.

Note. From Van Vreeswyk et al 2004.

<b>Land System</b>	<b>Description</b>
Capricorn	Rugged sandstone hills, ridges, stony footslopes and interfluves supporting low acacia shrublands or hard spinifex grasslands with scattered shrubs.
McKay	Hills, ridges, plateaux remnants and breakaways of meta sedimentary and sedimentary rocks supporting hard spinifex grasslands with acacias and occasional eucalypts.
Newman	Rugged jaspilite plateaux, ridges and mountains supporting hard spinifex grasslands.
Rocklea	Basalt hills, plateaux, lower slopes and minor stony plains supporting hard spinifex and occasionally soft spinifex grasslands with scattered shrubs.
Wona	Basalt upland gilgai plains supporting Roebourne Plains grass and Mitchell grass tussock grasslands, minor hard spinifex grasslands or annual grasslands/herbfields.
Macroy	Stony plains and occasional tor fields based on granite supporting hard and soft spinifex shrubby grasslands.
Adrian	Stony plains and low silcrete hills supporting hard spinifex grasslands.
Calcrete	Low calcrete platforms and plains supporting shrubby hard spinifex grasslands.

Christmas	Stony alluvial plains supporting snakewood and mulga shrublands with sparse tussock grasses.
Divide	Gently undulating sandplains with minor dunes, supporting hard spinifex hummock grasslands with numerous shrubs.
Fan	Washplains and gilgai plains supporting groved mulga tall shrublands and minor tussock grasslands.
Fortescue	Alluvial plains and flood plains supporting patchy grassy eucalypt and acacia woodlands and shrublands and tussock grasslands.
Jamindie	Stony hardpan plains and rises supporting groved mulga shrublands, occasionally with spinifex understorey.
Marsh	Lakebeds and flood plains subject to regular inundation, supporting samphire shrublands, salt water couch grasslands and chenopod shrublands.
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.
Turee	Stony alluvial plains with gilgaied and non-gilgaied surfaces supporting tussock grasslands and grassy shrublands of mulga and snakewood.
Urandy	Stony plains, alluvial plains and drainage lines supporting shrubby soft spinifex grasslands.
Boolgeeda	Stony lower slopes and plains below hill systems supporting hard and soft spinifex grasslands or mulga shrublands.
Newman	Rugged jaspilite plateaux, ridges and mountains supporting hard spinifex grasslands.

## 1.6 Geological types in the Project area

The Nyidinghu vegetation data comes from fifteen geological types as mapped on the Roy Hill 1:250,000 geology sheet (Thorne and Tyler 1996), an extract from which is shown on Map 2, see below. Sampling this number of geological types infers that the vegetation data provided will have a significant diversity of units. Starting from the southern end of the survey area, there are sites on the following units:

1. **Unit Phb**, the Brockman Formation (light blue on the map) on the slopes of the Hamersley Escarpment;
2. **Unit Qs**, Eolian deposit – sand; in sheets and longitudinal dunes (light yellow with large darker yellow dots) along the base of the Hamersley escarpment;
3. **Unit Qa**, Alluvium,- unconsolidated silt, sand, and gravel; in drainage channels and on adjacent floodplains (very pale yellow), in the bed of the Weeli Wolli Creek (the Fortescue Marsh is also mapped as this unit, but the bed of this feature will be significantly different to the bed of the Weeli Wolli Creek) and small occurrences on the Chichester Plateau;

4. **Unit Qw**, Alluvium and colluvium-red brown sandy and clayey soil; on low dunes and outwash areas (pale tan with darker tan dots), forming the alluvial fan of the Weeli Wolli Creek; along the base of the Hamersley Escarpment from the drainage of numerous minor creek; and forming the lower slopes of the Chichester Plateau on the north side of the Fortescue Valley (these three areas have different mixes of geology in the material deposited in them and therefore have different soils);
5. **Unit Czk**, Calcrete-sheet carbonate (dull mid-yellow on map), along the edge of the Fortescue Marsh
6. **Unit Czz**, Brecciated siliceous caprock over dolomitic rock; angular chert fragments in a chert matrix; overlies Wittenoom Formation
7. **Unit AHm**, the Marramamba Iron Formation: chert, banded iron formation, and pelite (mid-blue with diagonal lines), on the upper part of the southern slopes of the Chichester Plateau;
8. **Unit Qc**, Colluvium-unconsolidated quartz and rock fragments in soil; locally derived soil, and scree, and talus deposits (light yellow) on the upper slopes of the Chichester Escarpment;
9. **Unit AFj**, Jeerinah Formation: pelite, chert, and thin-bedded metasandstone (mid-brown), on the crest of the southern side of the Chichester Plateau;
10. **Unit AFjo**, Woodiana member of the Jeerinah Formation: metamorphosed quartzitic sandstone, pelite, and chert (pale brown with close spaced dots), on the Chichester Plateau;
11. **Unit AFm**, Maddina Basalt: amygdaloidal metabasaltic flows and breccia (mid-brown with double crosshatching), on the Chichester Plateau;
12. **Unit AFmk**, Kuruna Member of the Maddina Basalt (very pale brown with vertical lines), on the Chichester Plateau;
13. **Unit AFtc**, Meentheena member of the Tumbiana Formation; metamorphosed stromatolitic limestone and dolomite, pelite and volcanic sandstone (pale brown with blue block pattern), on the Chichester Plateau;
14. **Unit AFi**, Tumbiana Formation: metamorphosed mafic to intermediate volcanic sandstone and chert, local accretionary lapilli and stromatolites (light brown with heavy dot pattern), on the Chichester Plateau adjoining the edge of the Abydos Plain;
15. **Unit AgSm**, metamorphosed biotite monzogranite and minor granodiorite; weakly to strongly foliated, local metabasalt and metadolerite, intruded by a network of metamorphosed muscovite pegmatite veins (pink with red dot pattern), edge of the Abydos Plain.





## **1.7 Data provided**

The Nyidinghu data set has 430 quadrats recorded by Cardno WA Pty Ltd in 2011, a year with good rainfall so the data was recorded in good seasonal conditions. The identification of the specimens has been reviewed by one of us (MET) to standardise the application of names with the reference data set. The review of specimens resulted in a significant level of redetermination of the identifications. The data was provided in a standardised database format that readily allowed the data to be combined into a single database with the reference data being used in the analyses.

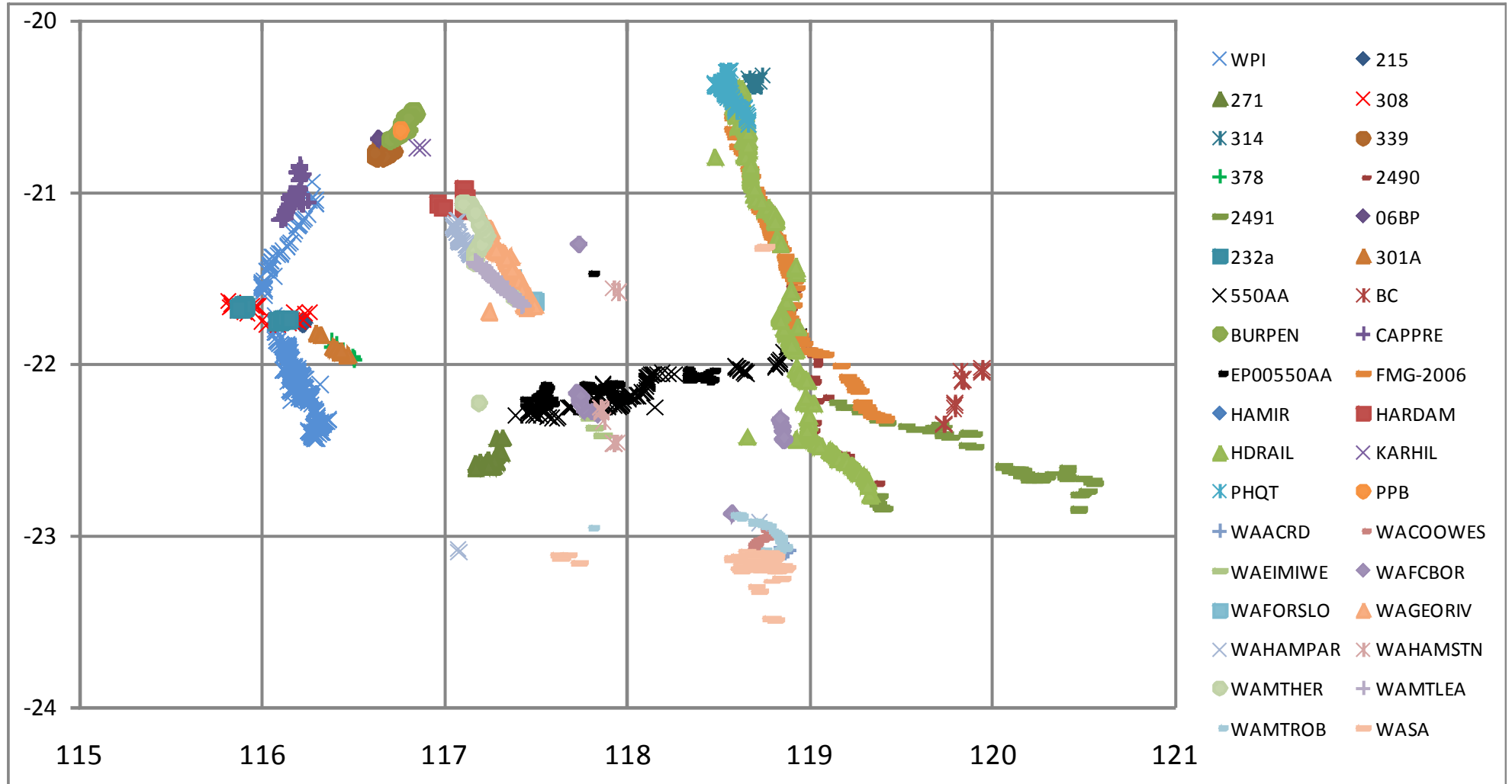
## **1.8 Reference data set and classification**

To put the Nyidinghu data in context, it is compared to a reference data set and classification in this report. Although the new data is all from the eastern part of the Fortescue Valley and adjoining areas of the Chichester Plateau and slopes of the Hamersley Range, the reference data largely comes from a band across most of the Pilbara Bioregion. This was considered necessary because geological types represented in area the data is from have distributions that extend across larger parts of the bioregion and previous experience has shown that vegetation types in the Pilbara Bioregion can be strongly associated with geological types. The reference classification (set of floristic groups) is the same classification that has been used for earlier analyses carried out for Fortescue Metals Group projects (e.g. Griffin and Trudgen 2011, 2009a, b). This allows comparison to the floristic groups found in those project areas.

The reference data set used includes data that overlaps the distribution of the new data (particularly from the Biota Environmental Sciences report for the FMG Stage B Project and the Hope Downs Rail Project) and data from areas as far away as Port Hedland and the Western Pilbara. For example, it includes data from Cape Preston and from the area between Nullagine and Newman. The distribution of all the sites used is shown on Map 3 (see below). This map shows that the west to east spread of the sites used in the overall analysis is ca. five hundred and eighty (580) km and the north to south spread is ca. three hundred and fifty (350) km.

The projects from which the data is sourced are listed in Table 2, which also gives the number of sites for each project. Any reference to these data sets later in this report will be by means of the project code (see Table 2). All this data is part of a data set that is maintained by M.E. Trudgen.

As the vegetation of the Pilbara Bioregion is mostly distinct from the vegetation of adjoining bioregions, it was not considered necessary to make comparisons to vegetation occurring outside the bioregion to make an assessment of the conservation value of the vegetation of the Solomon Project and Investigator Project Area.



Map 3. Location of the quadrats and relieves used in the reference data set and classification used for this report colour coded to show the project they were recorded for.

Note: Degrees of latitude and longitude on the axes. Abbreviations for projects given in Table 2.



**Table 2.** Projects data sourced from for the reference data set and used in the reference classification and classification with the Nyidinghu sites.

Notes. The column "sites" the number of sites used from each project in the Regional analyses.

<b>Code</b>	<b>Project</b>	<b>Sites</b>
06BP	Pluto Burrup Pipeline Survey 06	2
215	Flora and vegetation survey of the Mesa J Extension area	6
232a	Mesa A / Mesa G vegetation and flora surveys (Rio Tinto)	27
2490	FMG Stage A	45
2491	FMG Stage B	96
271	Flora and vegetation survey of the Brockman Syncline 4 project area	22
301A	Flora and vegetation survey of Bungaroo Trial Pit and Transport Corridor to Mesa J	7
308	Flora and vegetation survey of the Mesa A transport corridor, Warrambo deposit, and Yarraloola bore field and pipeline	23
314	Port Hedland Salt Expansion: Biological Survey	24
339	Vegetation flora survey of the Dampier salt expansion area	36
378	Flora and vegetation survey of the expanded Bungaroo Valley project area	9
550AA	EP00550AA - Flora and Vegetation Survey Solomon Rail Project Area, FMG	136
BC	BC Iron Bonnie Creek Flora and Vegetation survey	14
BURPEN	Burru Peninsula Floristic Survey	118
CAPPRE	Cape Preston Flora Survey	106
EP00550AA	ENVIPERT00550AA - Flora and Vegetation Survey, Solomon Project and Investigator, FMG	268
FMG-2006	Fortescue Metals Group - Cloud Break to Pt Hedland	152
HAMIR	Burru Peninsula Floristic Survey	3
HARDAM	Burru Peninsula Floristic Survey	11
HDRAIL	Hope Downs rail alignment between Newman and Port Hedland	192
KARHIL	Burru Peninsula Floristic Survey	3
PHQT	Sinclair Knight Merz Quantum Proj. Port Hedland	113
PPB	Pluto Burrup Pipeline Survey	10
WAACRD	West Angelas Access Road	13
WACOOWE S	West Angelas Coondewanna West Route	57
WAEIMIWE	West Angelas Eight Mile Well Route	8
WAFCBOR	West Angelas Four Corners Bore Route	41
WAFORSL O	West Angelas Fortescue Valley, slopes at east end Mt Leal route	18
WAGEORIV	West Angelas George River Route	242
WAHAMPA R	West Angelas Hamersley Parallel Route	71
WAHAMST N	West Angelas Hamersley Station	21
WAMTHER	West Angelas Mt Herbert Route	109
WAMTLEA	West Angelas Mt Leal Route	111
WAMTROB	West Angelas Mt Robinson Route	73
WASA	West Angelas Core Survey Area	271
API [WPI]	API West Pilbara Iron Ore project [WPI]	427

## **2.0 METHODS**

### **2.1 Data preparation**

The data from the Nyidinghu Project Area and the data from the earlier projects was imported into a Microsoft Access database. The “queries” (short programs written using Microsoft Access) used to carry out the analyses were also incorporated into this database.

To make the data set as compatible as possible across the various projects used in the analyses, a process of reconciliation of flora species names as used in the different projects was undertaken (Appendix 1). This was necessary partly because of changes in nomenclature over the period in which the studies have been carried out, but also because of the potential of project specific variations in the application of names. The reconciliation involved:

- Reducing some infra-specific names to the relevant species name (where misidentifications were likely, or where in some projects specimens had been named to species only),
- Combining some taxa where confusion is likely to have occurred in field observations and identifications, and
- Omitting some records that were ambiguous.

It should be noted that the data maintained by M.E. Trudgen is dynamic and (as much as time allows) is updated as the understanding of the application of existing and new names develops. However, there are some differences in names between the data sets analysed for earlier studies and the current one that reflect changes in nomenclature rather than in identification and the reconciliation process compensates for this.

### **2.2 Analyses carried out**

Two datasets were analysed: NYI (all Nyidinghu) and NYIR (all Nyidinghu and the regional sites). As is common for such analyses, the presence and absence of species at a quadrat was used and cover (a measure of the abundance of species at a site) was not used. Analysing the presence and absence of species in such data sets has been found to be appropriate for assessing the regional variation in composition of site data in earlier analyses of data from the Pilbara Bioregion. Including the cover of species at sites tends to be more useful when analysing data sets from smaller areas with higher data density. For these reasons, cover was not used in the analyses carried out for this report. “Singletons” (species present in only one

site in a data set) were retained, for they often contain useful information to distinguish uncommon floristic types.

### **2.2.1 Use of the PATN numerical classification package**

We have found that the numerical classification package PATN (Belbin 1987) is an effective tool for the analysis of data sets such as those analysed in this report. We have used it on such data sets from the Pilbara and from the south-west of Western Australia over a significant period of time. Our experience is that the resulting sorting (classification) of data sets has been meaningful in providing an ability to understand the variation in the data sets analysed and in making assessments of the importance of such variation.

Several modules of the numerical classification package PATN (Belbin 1987) were used for the analyses. The PATN modules used were ASO (calculation of similarity matrix), FUSE (classification), DEND (representation of classification) and NNB (nearest neighbour analysis). The default parameter settings of these modules were used in all analyses.

For the analysis of the data set, the modules were run with the sites as the classified objects (ie the species as the attributes). Classification of the data set with the species as the classified objects (ie the sites as the attributes) was also undertaken for both data sets. From the ASO association matrix, it is possible to determine for each site, which other sites are most similar and how similar they are. This can be used in a number of ways including determining the nearest neighbours for sites and an indication of the homogeneity of the groups. By combining these with the classification a measure of concordance can be determined.

The dendrogram represents the way the classified rows (sites or species) fuse. This can be used to construct groups of sites (groups of rows in the dendrogram) by “cutting” at a particular value or cutting to obtain a particular number of groups. For the purpose of the local data set, four “cuts” were made to divide (classify) the data into groups at different levels of synthesis (from very broad to moderate). For ease of reference, these “cuts” are referred to as for example the “5-group”, “10-group”, “20-group”, and “40-group” classifications. While the levels of these “cuts” are arbitrary, they have been applied after large experience with similar data sets, and the lower level in the regional analysis was chosen to relate (at level of synthesis) to the more widely used vegetation association level

(see above). The higher order groups are useful for establishing regional and subregional patterns, while the lower order groups are useful for conservation assessment.

Classifications at several levels such as those outlined above provide opportunities to make interpretations of the nature of the variation in the floristic data from vegetation recording sites in relation to a range of other information; including geology and location. While the levels of these “cuts” (especially the higher level ones) are arbitrary, they come out of experience with this type of data. It should be noted that while the 600-group level of the regional analysis is still somewhat arbitrary, when the makeup of the 600 groups defined at this level of the regional analysis is examined, it is apparent that many of them have more than similar species lists in common. They also often have similar dominance and structure for many of the sites in them, come from similar habitat and/or are mostly from the same or similar geology.

### **2.2.2 Analysis of all Nyidinghu data (NYI)**

To provide an understanding of the diversity of floristic types present in the data from the Nyidinghu Project area (mine and rail) the 430 sites recorded from these two areas were classified (using the ASO, FUSE, DEND and GDF modules of the PATN package). The intention was not to define units (as it is desirable to assign the sites to the reference classification if possible). Rather, the intention was to gain an understanding of the floristic diversity of the vegetation represented in the data so that the classification of the Nyidinghu data with the reference data set could be more readily interpreted. As part of this classification, arbitrary 25, 50, 100 and 200 group definitions have been made for the purpose of analysis and presentation.

It should be noted that the relationships inferred by this are likely to provide a local context better than can be inferred from the classification with the regional data as the data will more consistent internally than with the reference data set.

### **2.2.3 Analysis of Nyidinghu data with Reference data set (NYIR)**

To help define relationships between the Nyidinghu sites and the reference data set, the combined data set was classified and other analyses carried out (using the ASO, FUSE, DEND and NNB modules of the PATN package). This allows two distinct lines of assessment of the relationship of the Nyidinghu data to the reference classification: firstly



agglomerative polythetic classification and secondly a nearest neighbours assessment.

There are reasons why the results of these two approaches are not always consistent. Firstly, the numbers of sites in a survey can promote grouping of sites with other sites from that survey (especially if there are data quality issues or data sets were collected in different seasons) and secondly the presence of new floristic groups in a new data set can mean that the two methods may indicate different conclusions.

The classification method is used to infer the group a new site belongs to from the groups the existing site(s) it associates with (“joins” to in the dendrogram) belong to. It should be noted that adding new sites to an existing classification often disrupts it to some degree. This can be due in part to the addition of the new sites changing the formation of groups, but often is due to variations in the quality of the data from different projects (which can be due to a variety of factors). When adding many new sites to a classification, there is often a tendency for the new sites to clump together, this can be due to new groups being present in the new data or to data quality issues, or just the large number of samples from a different project. This happened to a large degree in the current analysis. In such cases it is often difficult to infer the group to which sites should be allocated using the classification, as it may not be clear why it has happened. It is possible that no group can be inferred with any certainty and in the present case no inferred group could be determined for more than a third of the new sites using this method.

The "Nearest Neighbours" method infers the group for new a site from the group associated with the sites in the reference classification with which it has most in common (ie., has the highest similarity to in species present). It should be noted that this is only trying to match a new site to any site from the existing classification. It should not be inferred from this that a site is similar to all sites from the assigned group.

With this method it is possible to infer (using the association value) the degree of uncertainty with which a site is allocated to a group. Also, the presence of “new” groups in a data set may be inferred by sites from it having similarity to no sites in the reference data set better than a “reasonable” threshold. A significant issue with this method is that several sites from different groups in the reference classification may be equally similar to a new site. In a few cases, the inferred group for a site was influenced by the number of “close” sites and occasionally the “best” from the dendrogram. For each site, a degree of confidence was

assigned either “reasonable”, “possible” and “not likely” being related to the association values  $<0.6$ ,  $<0.7$  and  $>0.7$  respectively.

In principal, running separate classifications, each with the reference data and one new site (single site insertion) is a “reasonable” approach (Leigh Belbin *pers comm.*) However, this is impractical with large new data sets, which in this case would be 430 separate classifications. From previous studies where this technique has been used, the “nearest neighbour” approach proved relatively comparable. Thus, most emphasis is given to the nearest neighbour method for the large dataset under consideration here.

## **2.4 Tools Used**

The results of the PATN analyses were imported into the Access database, where, using queries, it was joined and summarised with other information such as site characteristics. Excel was used for some analyses and presentations. Some data was exported as kml files for display on satellite images from Google Earth.

### 3.0 LIMITATIONS

All exercises such as those carried out for this report using the PATN package (Belbin 1987 and later dates) have limitations, including those related to data quality (see below), data density, data distribution and size of the total data set used. Experience with analyses similar to those carried out here shows that the quality of field observation (which is related to the effort expended and the level of expertise available) has a significant influence on the classification obtained from the analyses, with poor data degrading results. However, the results of any analysis are influenced not only by the data quality, but also by the techniques employed.

Limitations in the quality of data can come about through:

- Deficiencies in site (quadrat) selection and size - poor site selection can mean that the data recorded does not represent one vegetation type, but is mixed, muddying the classification produced. Inadequate quadrat size means that the size of the area sampled is not adequate to get the appropriate data;
- Inadequate numbers of sites or poor sampling strategy, leading to not all types being sampled, or some types appearing less common than they really are, or more common than they really are;
- Inadequate searching of quadrats, leading to only part of the flora present being recorded and poor definition of the groups defined, or poor assignment of sites;
- Inaccurate identification of specimens, leading to poor definition of the groups defined, or poor assignment of sites;
- Over reliance on field identification of species, leading to errors in the species recorded for quadrats and consequent poor definition of the groups defined, or poor assignment of sites;
- Seasonal conditions such as drought can significantly affect the flora that can be recorded and recent fire can also significantly affect the flora that can be recorded.
- How carefully the data was entered into the database, how well the database is maintained over time to keep use of names of species consistent.

Over a number of years, the authors of this report have come to the conclusion that there is a widespread lack of recognition of the level of skill and determination needed to reduce such errors to the point where they do not have an undue effect on the data provided to them to process for reports such as the current report. While there are different reasons for data degradation in the three different data sets provided for analysis for this report, it is clear that several of the factors listed above have played a part.

A number of these issues are also undoubtedly related to inadequate time being allowed for survey work, we are aware that this comes about partly through underestimation of time

required by consultants themselves and partly through the timeframes of proponents and the times they allow for work (ie, the budgets they allow).

Obviously, variations in seasonal conditions at the time of survey can affect the quality of data collected, as less species will be available in dry periods rather than after good rainfall (when better material, enabling better identifications can also be obtained). While the NYI sites had a wide range of species richness, they were reasonably compatible with other projects (Table 3), and this is likely to reflect the range of habitats sampled.

**Table 3.** Range of species richness at sites in relevant projects.

Notes: NYI all = All Nyidinghu sites; NYI N = Nyidinghu project area; NYI rail = Nyidinghu railway route sites. Some sites are in both sub-areas of the overall Nyidinghu project; therefore the total number of sites is less than the sum of the two subsets

PROJECT*	Average # of species	# Sites	% of sites in richness classes									
			0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	100-109
<b>NYI all</b>	25.5	430	7	27	34	23	7	2	0			
<b>NYI_N</b>	24	281	7	30	33	22	6	2				
<b>NYI rail</b>	26	197	7	24	34	25	8	3	1			
2490	37	45		11	24	29	18	13	0	2	0	2
2491	43	96		7	14	23	21	18	9	5	3	
550AA	25	135	7	33	28	17	9	5				
BC	21	14		43	43	14						
FMG-2006	22	151	8	38	33	13	6	1	1			
HDRAIL	33	192	3	10	21	34	22	7	2	1		
WASA	35	271		11	30	29	15	8	4	1	1	
WPI	22	427	3	55	20	11	7	4	1			

\* see Table 2 for other Project codes

Similarly, variation in the standard of identifications can affect data quality between data sets. While many specimens were identified one of us (MET), there is a significant proportion of the data represented by field observations or inferences from the identified specimens. Another sources of difference in data quality between the projects in the data set are the differences in experience of those undertaking the primary observations.

Limitations in data density (the surveys in the data set have varied data density) and distribution (see Map 2) for the analyses carried out for this report are also going to have an



impact on the results produced, as there is significant clustering of the data (into project areas) rather than an even spread, and variation in the density (and, therefore, the number of replicates in different geological/habitat types in different projects) of data in different projects. Such limitations could lead to some of the units defined being poorly sampled and, therefore, appearing to be less common than they actually are, others could be more heavily sampled than in an even spread of sites and appear to be more common than they actually are if just the number of sites is taken into account.

Bearing in mind the limitations in the data discussed above, it is obvious that there must be limitations in the definition of the units defined, as it is acknowledged that the data on which they are based on is not ideal. Further, depending on the level of the group defined it should be recognised that the composition of the groups defined by these analyses should not necessarily be interpreted as plant communities that can be recognised in the field. This may be possible for a proportion of the lower order groups defined, but an extensive process of review and refinement, aided by field knowledge and checking would be required to extend the analysis to such a point for all such groups at the lowest level.

The necessarily abstract nature of the higher order groups defined is noted in section 1.2 above. This abstraction means that individual occurrences of (ie. sites referred to) a particular group may have quite different structure and dominance, particularly at higher levels of synthesis. However, at the various levels of synthesis there should be corresponding degrees of similarity in the floristic composition of stands referred to the different groups in them. So at the lowest level, the stands (sites) referred to a group should have relatively similar lists, particularly if data density is high. In the overall data set used for this report, data density is variable for different projects and the number of quadrats is still low for the size of the region studied, so groups in the lowest level of the classification (the 600-group level) will still often have a significant level of difference, although some groups will be more varied than others.

It should be noted that the level of classification used in the reference set (600 groups) is a value judgement, albeit one based on considerable experience. So, too are aspects of the inference of most likely group drawn from the nearest neighbour analysis. This is particularly the case in attempting to distinguish the whether or not what appears to be a new (previously unsampled) group is actually that or an artefact of poor data.

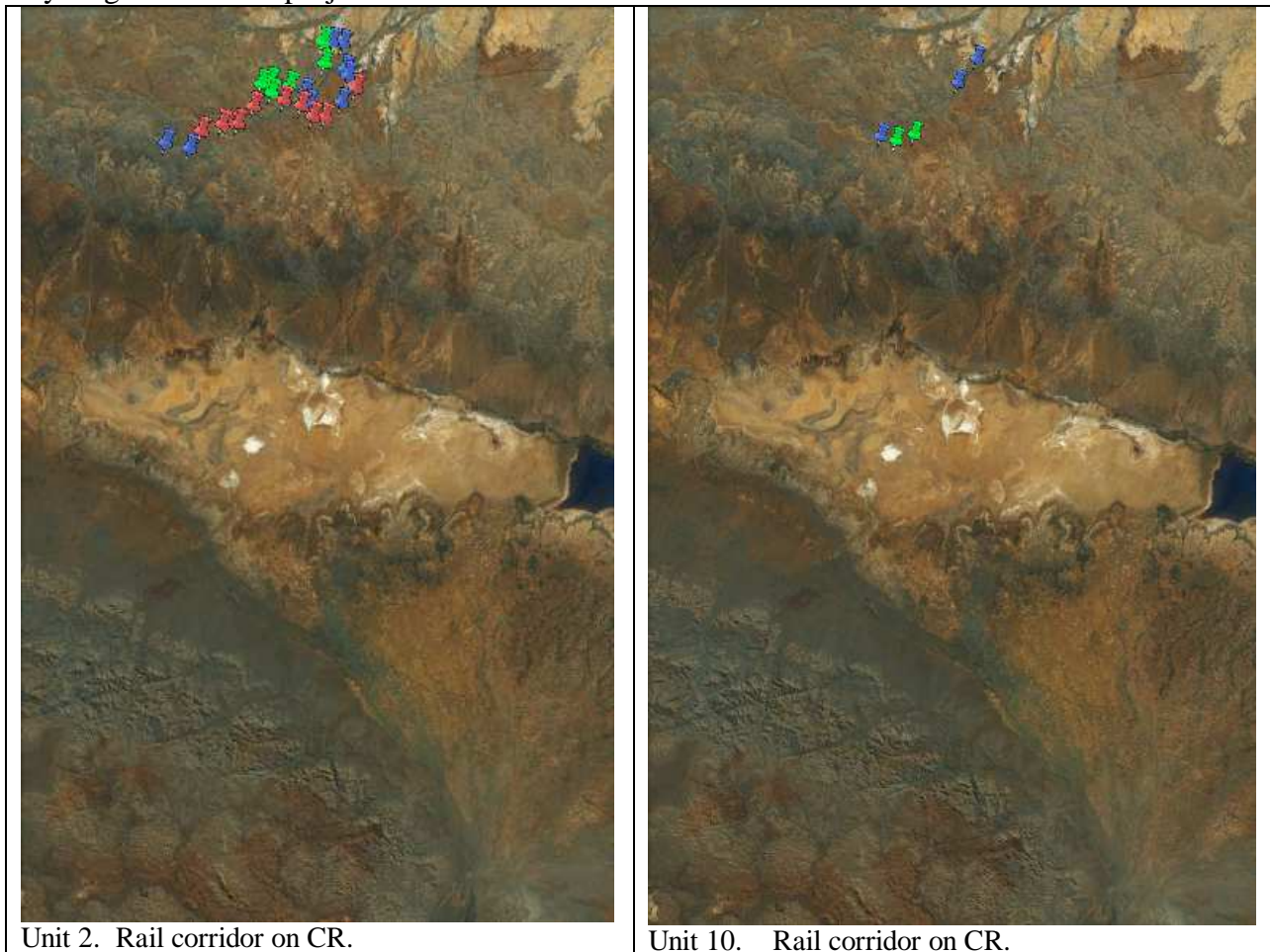
## 4.0 RESULTS

### 4.1 Classification of NYI Sites alone (local classification)

To examine the variation present in the overall Nyidinghu data set the 430 sites recorded for the two parts of this project (main area and rail section) were classified separately. This classification into 4 arbitrary levels (25, 50, 100 and 200-group levels, see Appendix 2) was done to inform assigning the Nyidinghu sites to the reference classification, but also shows much about the floristics of the area sampled. On the basis of experience with these types of classifications and in particular the fusion score for the different group levels, it is reasonable to infer that there are about 100 distinct floristic types represented in the 430 Nyidinghu sites. The distribution of each of the 25-group level units is shown in Figure 1a-y, with different colours showing the 50-group level units nested within them.

Figure 1a – y. Distribution of each of the 25-group & 50-group units in the Nyidinghu data.

Each image shows one unit at the 25-group level with the 50-group level nested in it indicated by different colours. The images are ordered to show those on the same geomorphological features near each other. Codes such as CR and HCMS (see end of the figure) indicate the geomorphological units the units occur on. Rail = in rail corridor. Nyidinghu = in main project area.



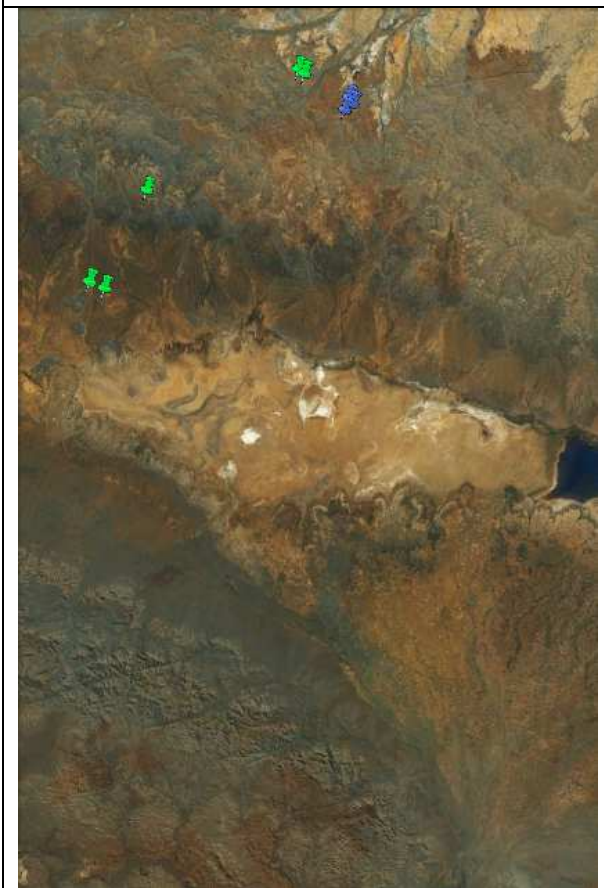




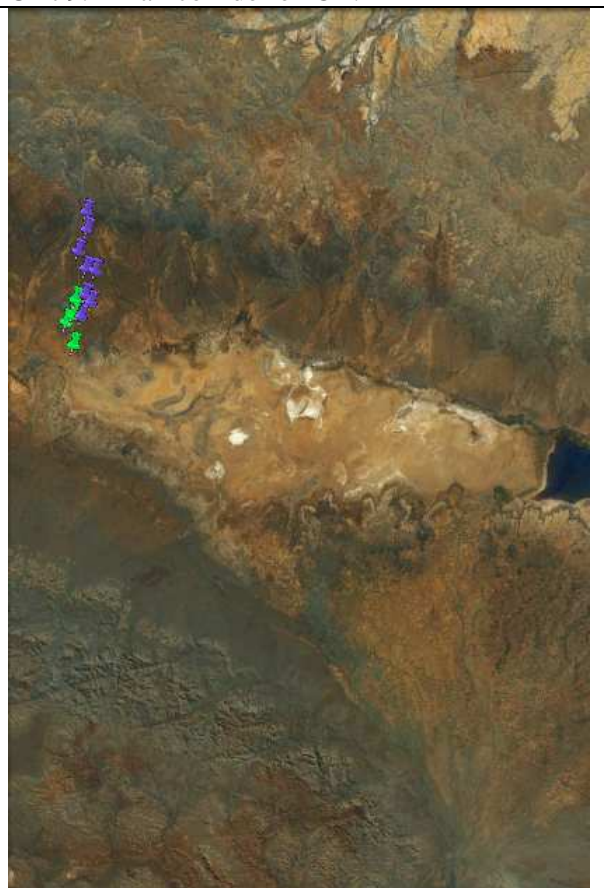
Unit 7. Rail corridor on CR.



Unit 9. Rail corridor on CR.



Unit 3 Rail corridor on CR.



Unit 21 Rail corridor on CMS.

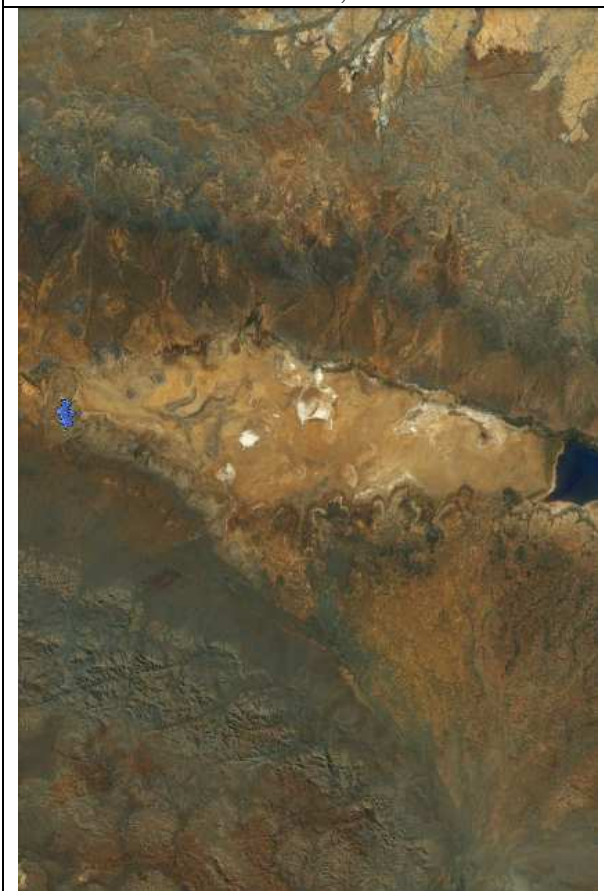




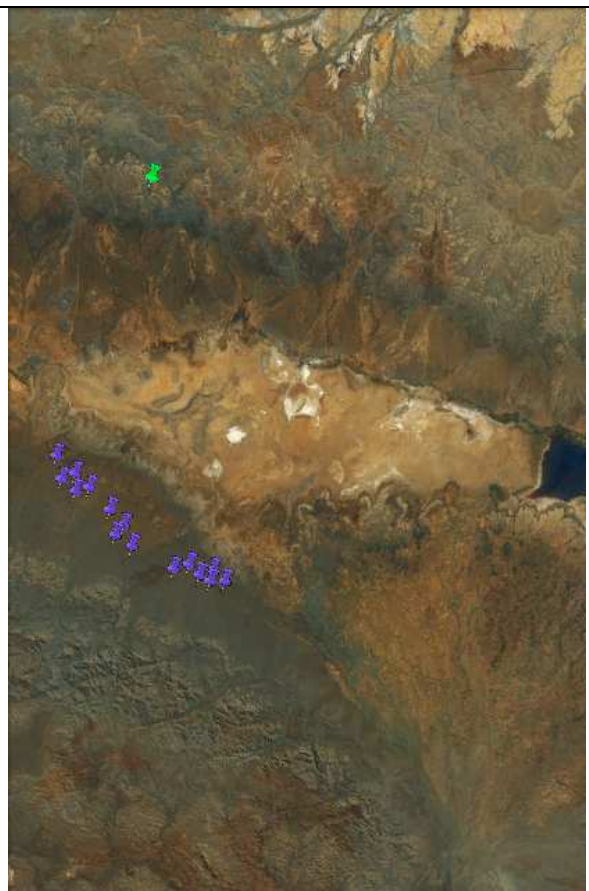
Unit 4 Rail corridor on CR, FV.



Unit 25 Rail corridor on FV



Unit 6 Rail corridor on HCLS.



Unit 24 Rail corridor on HCMS.





Unit 12 Nyidinghu and rail corridor on HCMS.



Unit 11 Nyidinghu & some rail corridor on HCMS.

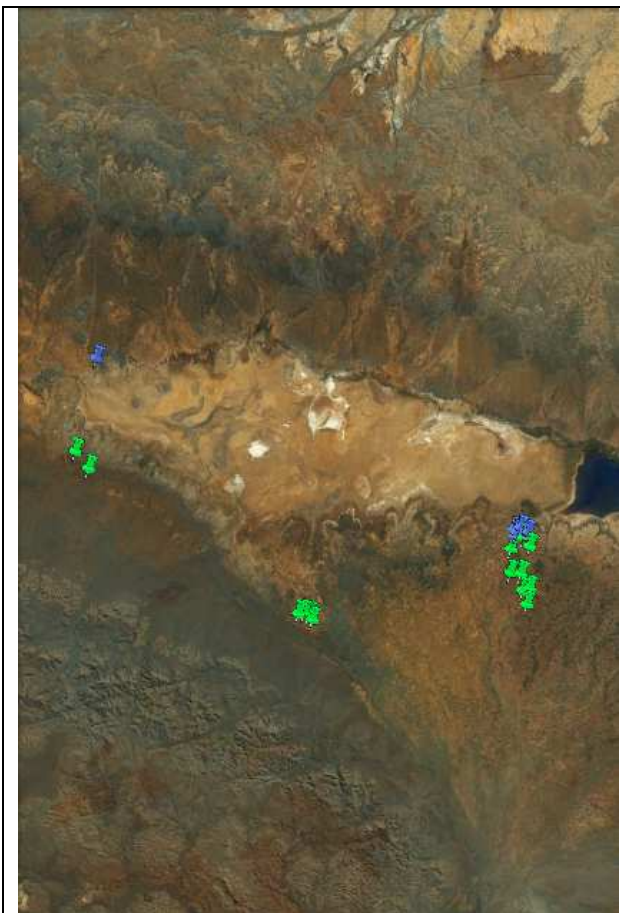


Unit 13 Nyidinghu & some rail corridor on HCMS.



Unit 5 Nyidinghu on HFLS.

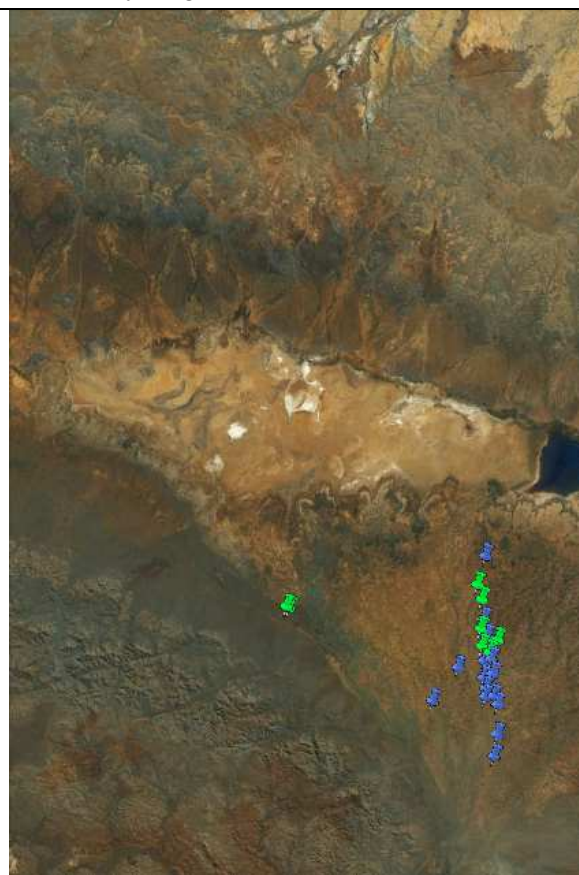




Unit 18 Nyidinghu & some rail corridor on HFLS.



Unit 19 Nyidinghu on HFLS.

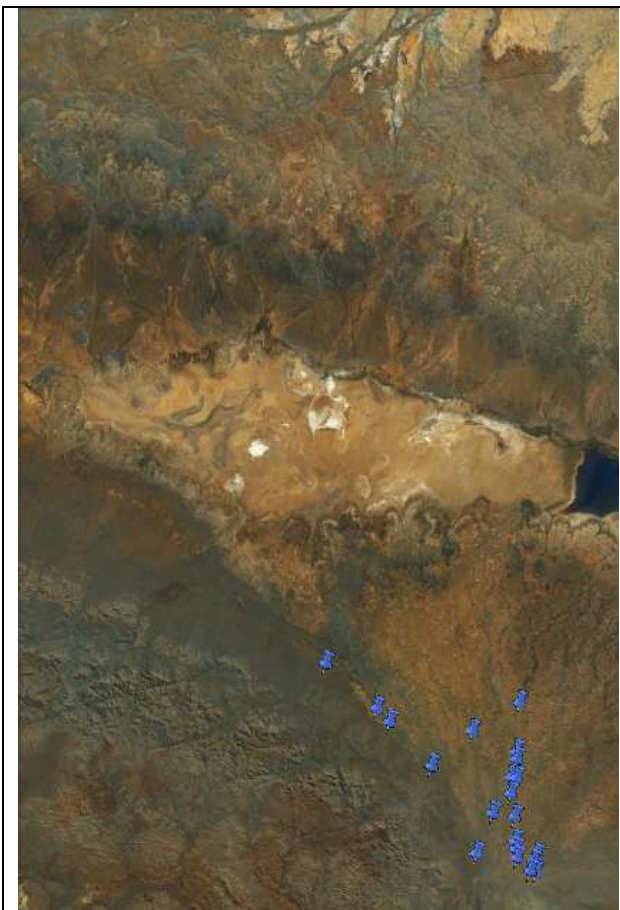


Unit 20 Nyidinghu on HFMS



Unit14 Nyidinghu on HFMS

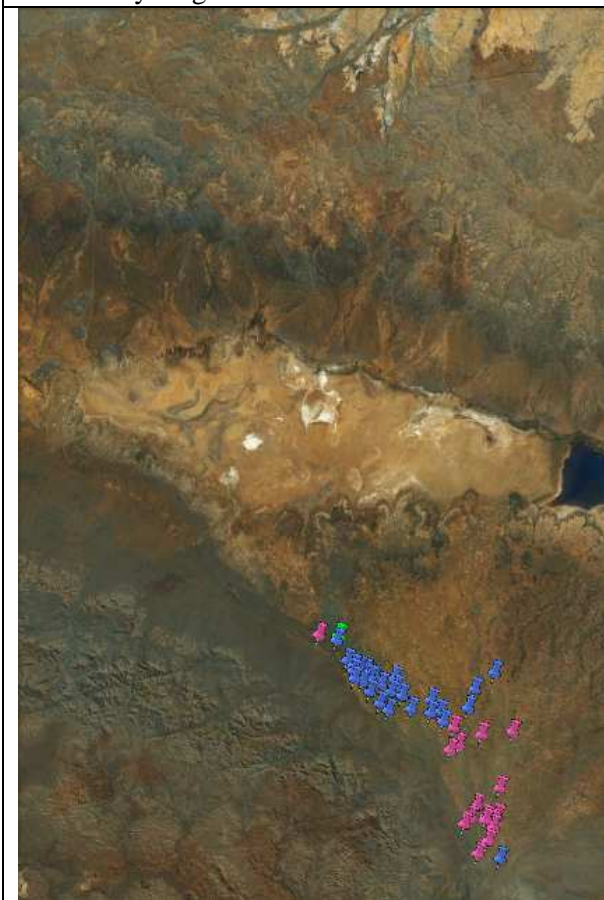




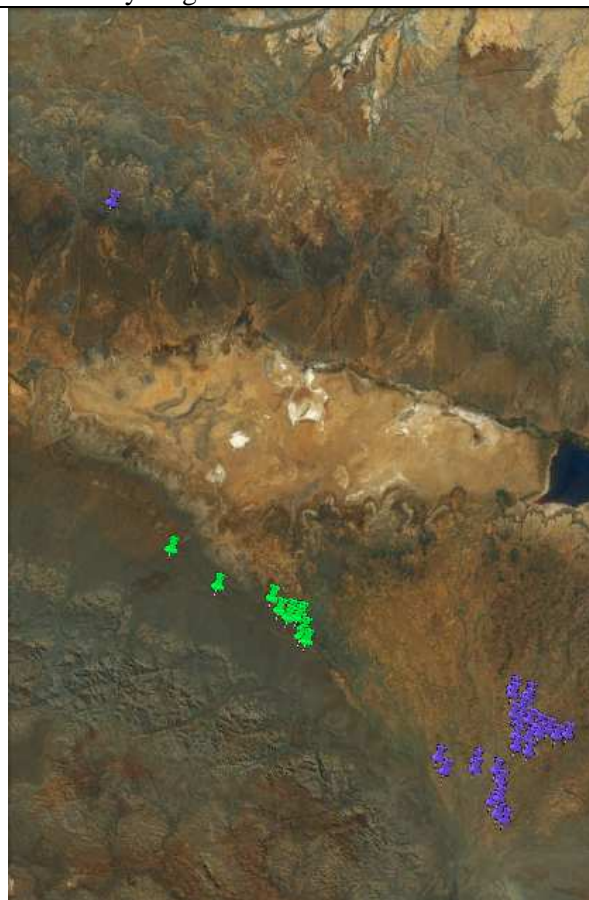
Unit 17 Nyidinghu & some rail on HFMS.



Unit 15 Nyidinghu & some rail on HFMS.

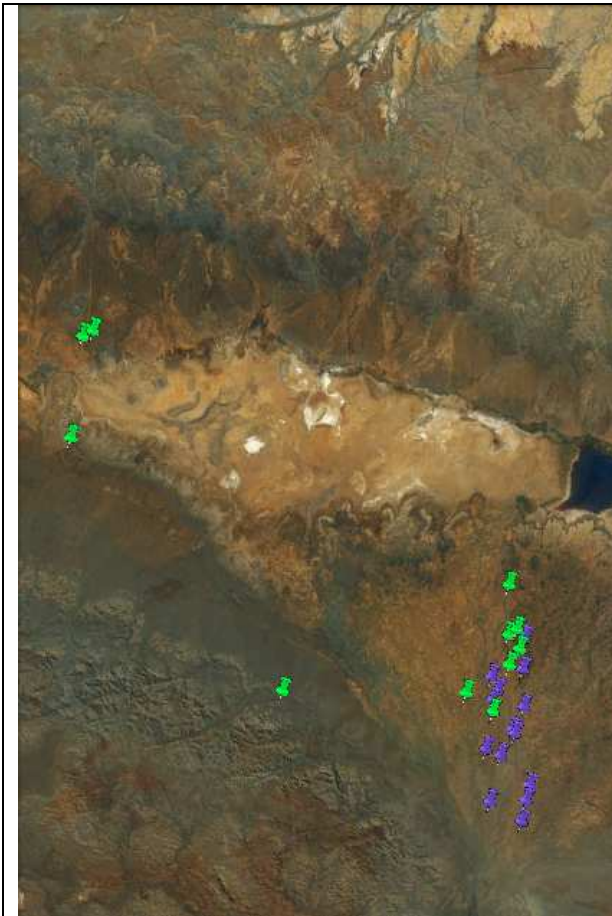


Unit 16 & Nyidinghu & some rail on HFMS.



Unit 23 Nyidinghu & some rail on HFMS.





Unit 22 Nyidinghu & some rail on HFMS.



Unit 1 Nyidinghu & some rail on HFUS.



Unit 8 Nyidinghu & some rail on HFUS.

**GEOMORPHOLOGY LEGEND:**

- CMS Chichester mid slopes
- CR Chichester Ridges
- FV Fortescue Valley
- HCLS Hamersley colluvial lower slopes
- HCMS Hamersley colluvial mid slopes
- HFSL Hamersley fluvial lower slopes
- HFMS Hamersley fluvial mid slopes
- HFUS Hamersley fluvial upper slopes



Examination of Figure 1 shows clearly that geomorphology and the underlying geology are major influence on the formation and distribution of the floristic groups found by the classification. Superficially (at the scale of the images), it appears that many of the floristic groups have similar geographic patterns. It is likely that this represents different segments of catenas (also referred to as land units within the land system mapping). In other terms, this represents rapid change in floristic composition over short distances due to differences in soils and habitats.

An important inference that can be made from these figures is that the floristic data collected in the NYI project appears to be internally consistent.

#### **4.2 Assignment of the new sites to the 600 group level of the reference classification**

The dendrogram representing the classification of the NYI sites with the reference sites shows that typical of most similar analyses, the new sites clustered strongly with their peers rather than dispersing amongst the reference sites (Appendix 3). In these situations it is difficult to infer the group to which each site should be assigned. However, some inferences can be made for many sites. However, this was used only to support the inferences from the nearest neighbour analysis.

The nearest neighbour analysis does not suffer from the clustering and it is possible to infer a likely group for each site. This approach infers the group from the reference classification of the reference data set given in Griffin & Trudgen (2009 a & b) for the new site through the group associated with its nearest neighbours from amongst these reference sites. Where the similarity of these nearest neighbours is low, the reliability of this method is low. This was found to be the case for many of the new sites, which consequently have an assignment using this method that is provisional.

The 600-group level floristic group from the reference classification suggested for each of the Nyidinghu sites by the "Nearest Neighbours" method is shown in Table 4. To indicate the degree of certainty of allocations, they are qualified in the table by '?' & '??' progressively indicating moderate to poor fit to the reference classification 600-group level floristic groups.

**Table 4:** Allocation of the new sites to the 600-group level floristic groups of the reference (regional) classification from Griffin & Trudgen (2009a & b) using "Nearest Neighbours"

Notes: Qualifier - ? or ?? indicating moderate or poor fit.

site	gp600	site	gp600	site	gp600	site	gp600	site	gp600	site	gp600	site	gp600
A001	314	A060	383	A128	282?	B056	404?	B118	404?	B183	244?	C060	430
A002	383	A061	383	A129	424??	B057	414??	B119	428	B184	404?	C061	404?
A003	383	A062	383	A130	147??	B058	424	B120	428	B185	379?	C062	577
A004	379	A063	386	A131	266?	B059	141?	B121	425	C001	383	C063	404
A005	383	A064	386?	A132	147?	B060	383	B122	404	C002	383	C064	273?
A006	379	A065	383	A133	131	B061	171?	B123	425?	C003	577	C065	145?
A007	383	A066	383	A134	147	B062	380	B124	427?	C004	577	C066	425?
A008	569?	A067	383	B001	529?	B063	196	B125	427	C005	383	C067	426?
A009	384	A068	131	B002	79?	B064	528?	B129	148?	C006	383	C068	276?
A010	383	A069	379	B003	528	B065	301	B130	54?	C007	379	C069	147?
A011	383	A070	384?	B004	380?	B066	296?	B131	139	C008	428	C070	427?
A012	381	A071	383	B005	379?	B067	188	B132	259	C009	424?	C071	424?
A013	147	A072	383	B006	384	B068	383?	B133	565	C010	428?	C072	385
A014	383	A073	425?	B007	384	B069	528	B134	138?	C011	258?	C073	385
A015	384?	A074	433?	B008	379	B070	529	B135	527?	C012	427?	C074	385
A016	148?	A075	425	B009	431?	B071	282	B136	128	C013	424??	C075	379?
A017	148?	A076	430	B010	404?	B072	383	B137	249?	C014	385	C080	527
A018	425??	A077	425?	B011	575?	B073	384?	B138	48?	C015	265?	C081	43?
A019	425??	A078	552?	B012	431?	B074	379	B139	269	C016	425	C082	160?
A020	485??	A079	276?	B013	182?	B075	147?	B140	269?	C017	404?	C083	473?
A021	404?	A080	325?	B014	600?	B076	384	B141	163?	C018	577	C084	471?
A022	425	A081	318?	B015	552?	B077	528?	B142	162?	C019	383	C085	162
A023	552?	A082	567?	B016	171?	B078	569?	B143	71?	C020	147	C086	470
A024	404?	A089	127?	B017	393?	B079	171?	B144	20	C021	147?	C087	83?
A025	425?	A090	170	B018	284?	B080	249?	B145	148?	C022	427	C088	575?
A026	425	A091	579?	B019	71?	B081	273	B146	427?	C023	567?	C089	362
A028	425?	A092	48	B020	155?	B082	379	B147	144	C024	425	C090	104?
A029	404?	A093	20	B021	131?	B083	147	B148	569	C025	435?	C091	565
A030	425?	A094	56	B022	131?	B084	145?	B149	528	C026	575?	C092	564
A031	324?	A095	143	B023	131?	B085	384?	B150	169	C027	425?	C093	128
A032	145?	A096	20?	B024	508?	B086	147?	B151	568?	C028	427	C094	456?
A033	427	A097	269?	B025	406?	B087	424?	B152	527?	C029	425?	C095	575
A034	319?	A098	20	B026	404?	B088	319?	B153	433?	C030	567	C096	450?
A035	552?	A099	460?	B027	404?	B089	145?	B154	433?	C031	425?	C097	450
A036	552	A100	565	B028	131?	B090	273?	B155	404??	C032	147?	C098	565?
A037	435	A101	473?	B029	333?	B091	276	B156	404??	C033	425	C099	398?
A038	425?	A102	565	B030	284?	B092	147	B157	398?	C034	426	C100	427
A039	141?	A103	267	B031	147?	B093	424?	B158	486?	C035	433	C101	567
A040	383	A104	565?	B032	131?	B094	424?	B159	487??	C036	428	C102	404?
A041	383	A105	527	B033	383	B095	430??	B160	484?	C037	379	C103	404
A042	552?	A106	144?	B034	379	B096	424	B161	487?	C038	423	C104	242?
A043	404?	A107	565?	B035	379	B097	404?	B162	484??	C039	577	C105	577?
A044	379	A108	47	B036	254	B098	397?	B163	486??	C040	383	C106	577
A045	383	A109	537	B037	131	B099	430	B164	547	C041	383	C107	383
A046	384	A110	565	B038	379?	B100	437?	B165	487?	C042	383	C108	427
A047	575	A111	568	B039	145	B101	425?	B166	486?	C043	383	C109	577?
A048	575	A112	565	B040	145?	B102	430?	B167	484??	C044	383	C110	383
A049	254??	A113	567	B041	147?	B103	430?	B168	190??	C045	383	C111	577?
A050	123?	A114	433?	B042	148?	B104	430??	B169	550?	C046	423	C112	383?
A051	427	A115	450	B043	556?	B105	430?	B170	577?	C047	428	C113	427
A052	155?	A116	310	B044	276	B106	404?	B171	383	C048	404	C114	385
A053	575	A117	565?	B045	155?	B107	397?	B172	254?	C049	425?	C115	427?
A054	567?	A118	254	B046	383	B108	430?	B173	577	C050	425	C116	577
A055	427?	A119	310	B047	384	B109	428?	B174	577	C051	424??	C117	385
A056	379	A120	40	B048	273?	B110	428?	B175	383?	C052	425?	C118	385
A057	383	A121	301?	B049	383?	B111	404?	B176	556	C053	425?	C119	385?
A058	383	A122	427	B050	147?	B112	567?	B177	577?	C054	425	C120	273
A059	383	A123	308	B051	384?	B113	425?	B178	247	C055	425?	C121	147?
		A124	427	B052	577	B114	404	B179	139?	C056	398?	C122	385
		A125	193?	B053	379	B115	425	B180	276?	C057	430	C123	427?
		A126	383	B054	424?	B116	404?	B181	365	C058	425?	C124	194?
		A127	427	B055	425?	B117	424?	B182	249	C059	425?	C125	314

The information in Table 4 can be summarised to show that the sites in it were allocated to one hundred and fifteen (115) of the 600-group level groups the reference data was allocated to in the classification in Griffin & Trudgen (2009a & b). This summary is shown in Table 5 (see following page), which lists the 600-group level groups of Griffin and Trudgen that sites from the Nyidinghu project have been assigned to and the number of sites assigned to each one. The table also gives information about:

- The confidence of the allocations to groups;
- The relationship with the Nyidinghu local classification;
- The relative proximity of sites in the reference classification from the assigned group (which gives an indication of the likelihood of the uni occurring in the Nyidinghu survey area); and
- A representation of the accord with the classification of the Nyidinghu sites on their own (this gives an indication of the consistency of assignments).

While the assignment process indicated that sites from the Nyidinghu project could be assigned to 115 of the 600-group level groups of Griffin and Trudgen (2009a & b), more than half of these 115 groups had only one or two sites from the Nyidinghu Project assigned to them. For nearly half of these sites the assignment was moderate or poor (Table 6). On the other hand nearly half of the Nyidinghu sites were assigned to just nine of the 600-group level groups of Griffin and Trudgen. Table 6 gives further detail on this spread of assignment.

**Table 6.** Number of groups assigned to the 600-group level units of the reference classification by frequency class and confidence

Note: The figures in the table vary slightly from those in Table 5 for the assignment of confidence was to the whole gp600 group rather than individual sites. The column "Range" is the number or range of number of sites used to investigate the distribution of sites in the 600-group units.

Range	Total		Reasonable		Moderate		Poor	
	Groups	Sites	Groups	Sites	Groups	Sites	Groups	Sites
1 site	55	55	19	19	33	33	3	3
2 sites	24	48	17	34	7	14		
3-5 sites	18	67	5	20	12	44	1	3
6-10 sites	9	71	4	34	4	27	1	10
>10 sites	9	189	5	105	4	84		
all	115	430	50	212	60	202	5	16





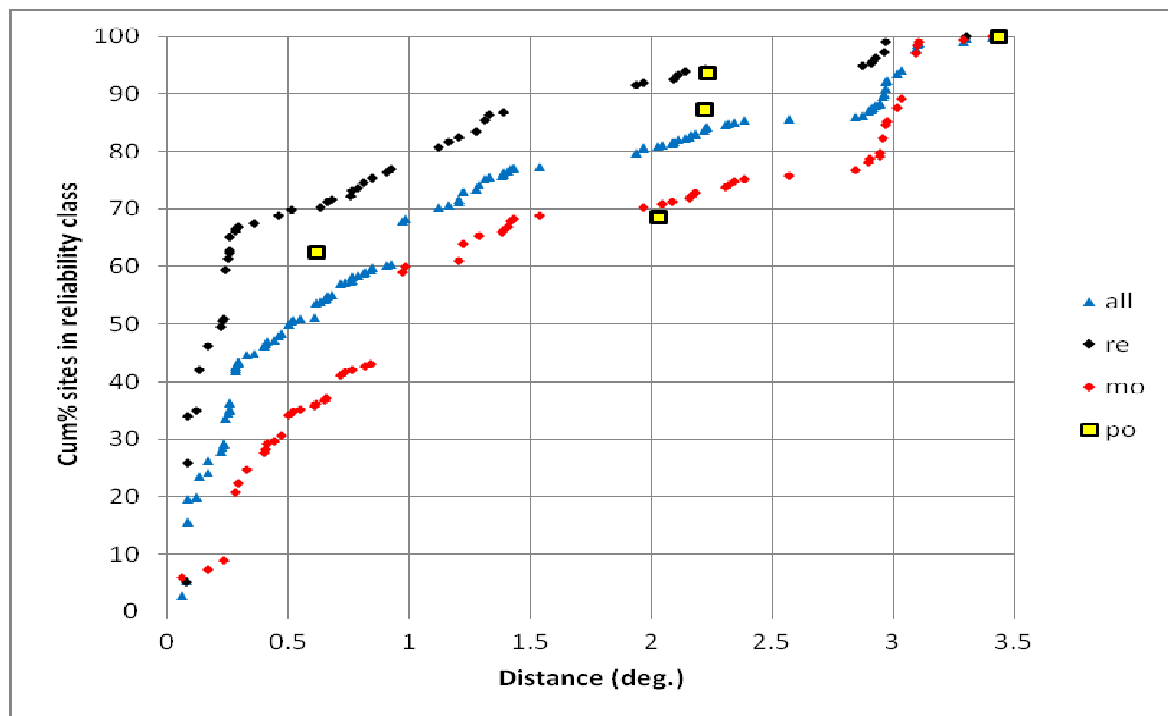




The groups (600-group level groups of the reference classification) to which a majority of the Nyidinghu sites were assigned had a site that was relatively close to the NYI area. Where the inferred reliability of the assignment to a group was highest, the distance to sites in the reference data set was lower. This is shown in Figure 2, where the relationship is quite clear. As this is consistent with the predominantly local nature of floristic patterns in the Pilbara, it can be inferred that the assigned groups are mostly plausible.

Figure 2 Cumulative % of sites in reliability classes by distance from NYI to nearest site of group.

Notes. re = reasonable confidence; mo = moderate confidence; po = poor confidence (of assignment to the group)



Most but not all groups from the reference classification previously found in the vicinity of the Nyidinghu Project sites were amongst those assigned to the Nyidinghu sites. Some reference classification groups from the Chichester and Hamersley Ranges were not represented, probably as they were in habitats not sampled in the NYI study. This is shown in Figure 3, which colours sites from the reference data set to show those in groups in the reference classification not applied to sites in the Nyidinghu data differently from those applied to the Nyidinghu data.

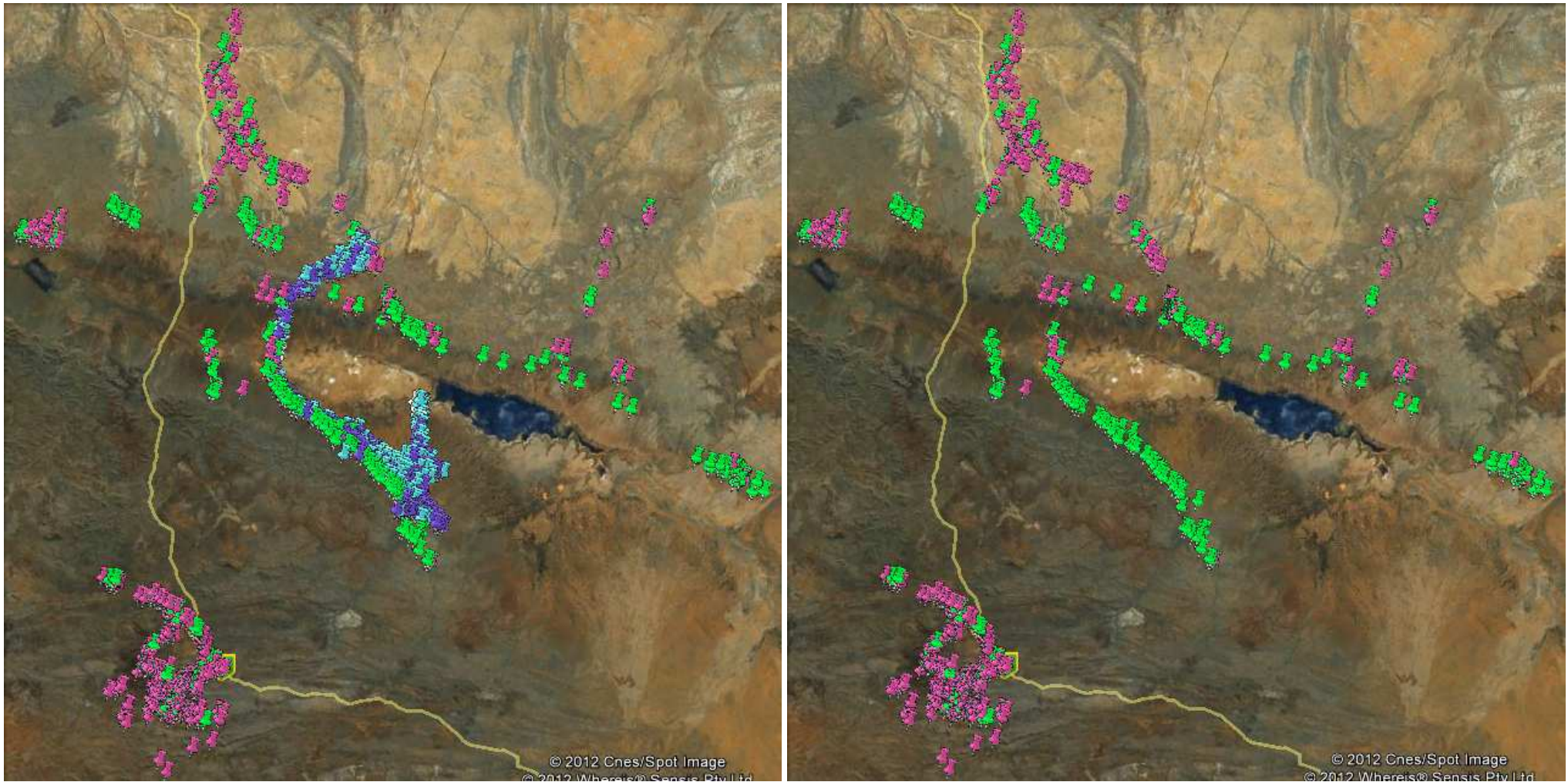
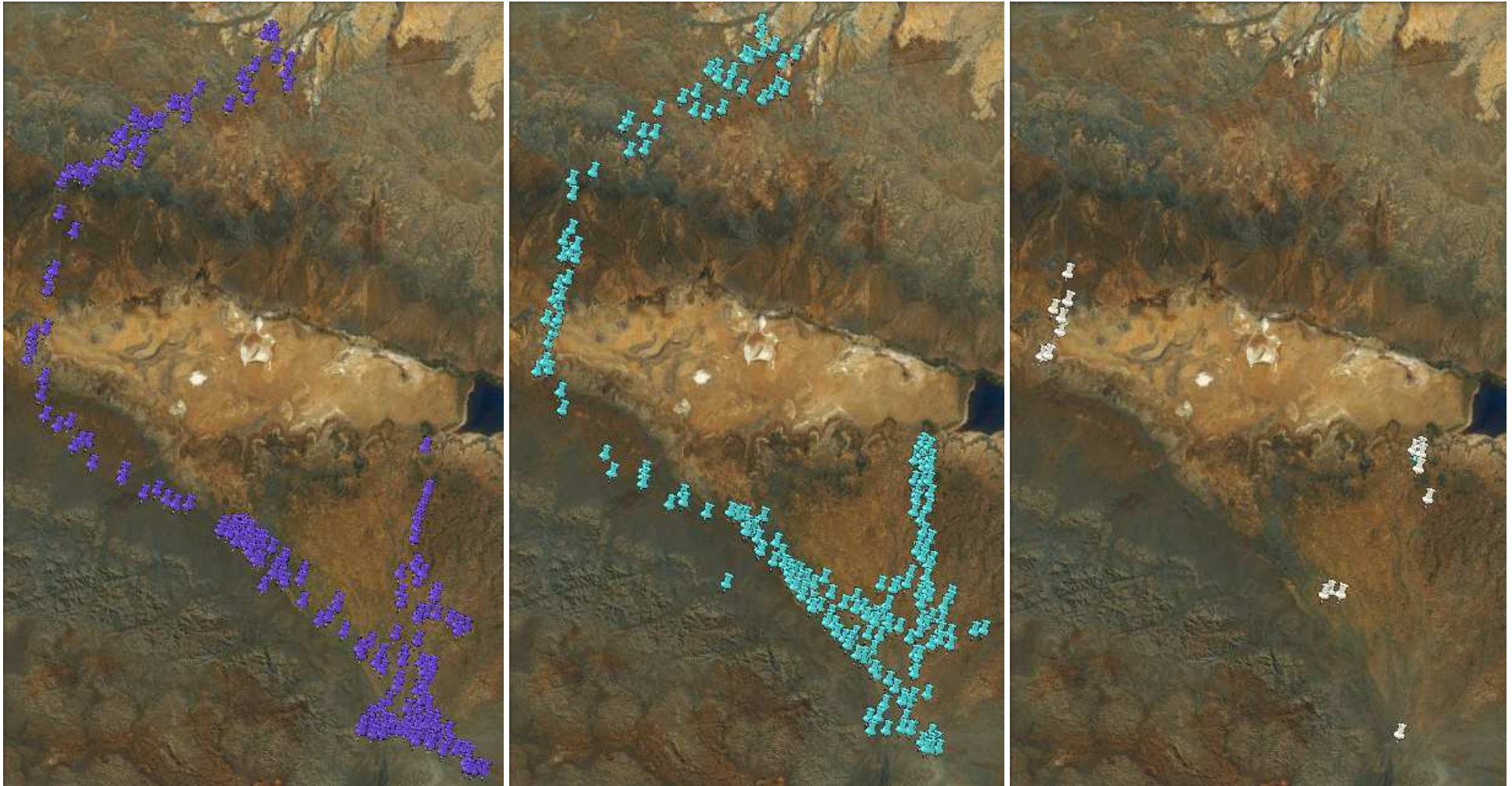


Figure 3. Assignment of reference classification groups to Nyidinghu Project sites.

Notes. Sites from the reference data set in groups from the reference classification applied to sites from the Nyidinghu data are green. Sites from the reference data set in groups from the reference classification not applied to sites from the Nyidinghu data are pink. The Nyidinghu project sites are shown blue and white. For clarity, the second image shows just the reference data set sites.





**Figure 4.** Assignment certainty of the Nyidinghu Project sites to the 600-group level groups of the reference classification  
Notes. Dark blue = assignment certainty reasonable; pale blue = assignment certainty moderate; white = assignment certainty poor.

Figure 4 shows the distribution of the Nyidinghu sites by the certainty of allocation to the units of the reference classification. Not only is the certainty of the allocation of the Nyidinghu sites to the 600-group level groups of the reference classification related to the proximity of sites in these groups from the reference data set to the Nyidinghu sites, but also the least certain allocation is related to geomorphological features sampled during the Nyidinghu study (Figure 4). Cross comparison of Figure 4 with Figure 3, shows that the least certain allocations are partly on the Weeli Wolli Creek fan, which is very poorly sampled in the reference data set, and partly across the Fortescue Valley and lower slopes of the Chichester Plateau where there are a number of sites in the reference data set that are quite close to those recorded during the Nyidinghu survey. The poorness of allocation of sites from the Weeli Wolli Creek fan is understandable, as this feature could reasonably be expected to have floristic units (groups) not previously sampled. This would not be so likely for the other group of sites with less certain assignment.

Of note is that all the least certain allocations are from sites in or on the margin of the Fortescue Valley. Complementing this is, that fewer of the reasonably certain allocations are on the margins of this valley. The main inference that can be taken from this is that the habitats of the Fortescues Valley floor and adjoining lower slopes of the Chichester Plateau are poorly represented in the regional dataset. Given that there are a number of sites from the reference data set near the Nyidinghu sites, it seems likely that there is significant habitat variation in this area. Conservation assessment for these areas should take this into account and also include other factors (than the known floristic groups) such as the extent of geomorphological features.

### **4.3 Comparison of regional and local floristic groups**

Looking at the rows and columns in Table 5, most groups from both classifications (the assignment to the reference or regional classification and the local classification) are made up of members from several groups of the other. From this it can be inferred that the results from these different approaches are only partially comparable. However, at a high level of synthesis, that is the 9-group level of the local classification (columns) and the 50-group level of the regional classification there is modest accord. The level of accord is not surprising, if only because of the different approaches to assigning sites to groups in the two treatments of the Nyidinghu data.

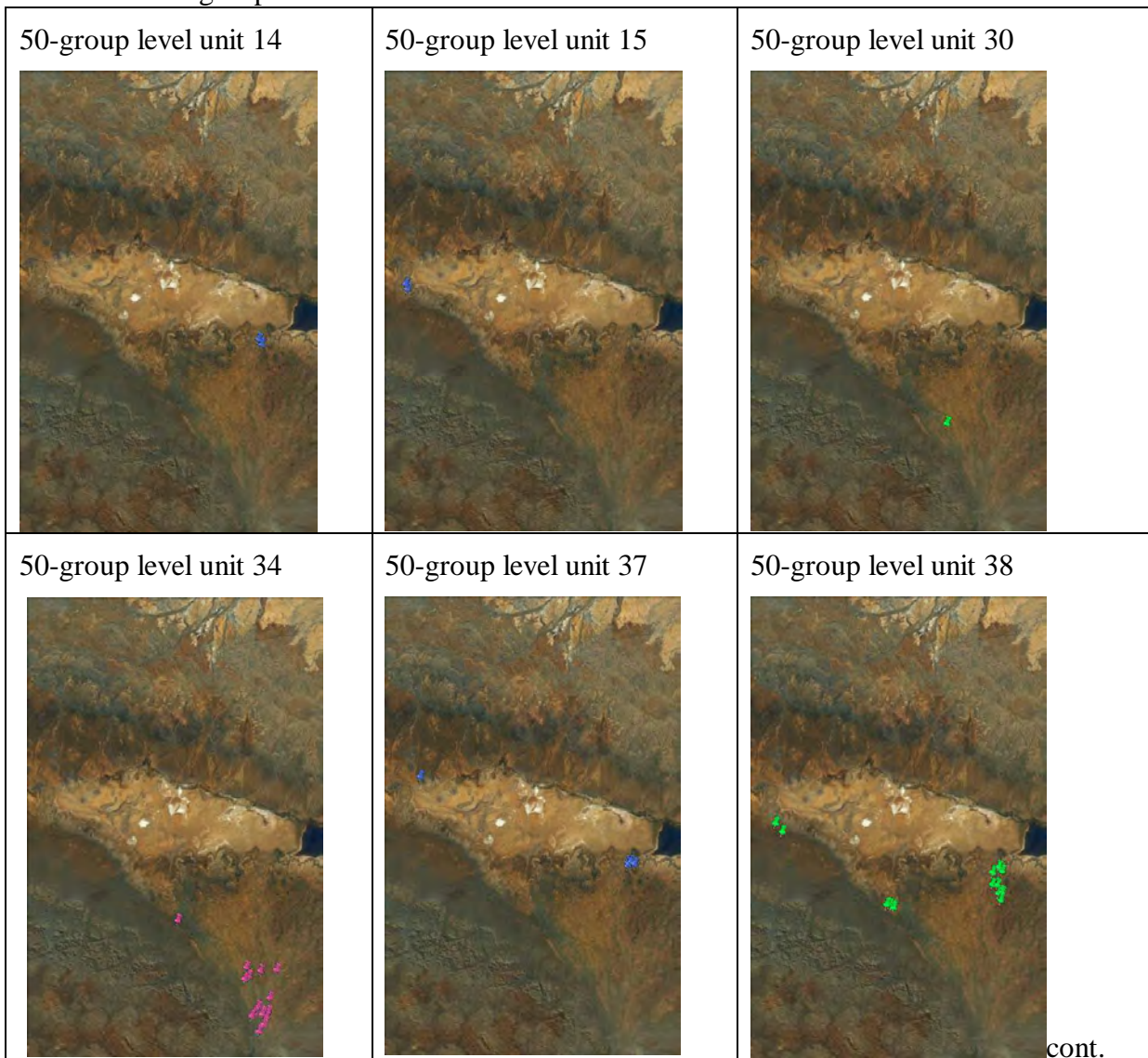


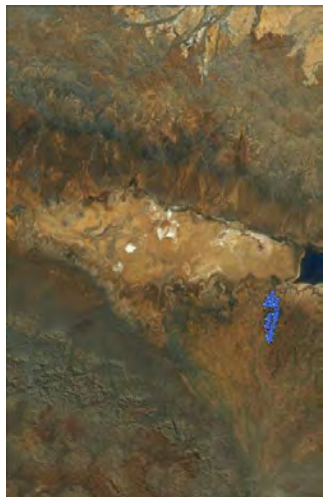




What is more important is to assess whether the groups defined by the local classification are likely to be present in the regional data and where they occur. For this, the confidence of allocating the 600-group level groups of the reference (regional) classification to the new sites is a useful measure. This is the poor confidence (“po”), moderate confidence (“mo”) and reasonable confidence (“re”) rows near the bottom of Table 5.

Effectively, the higher the proportion of sites with poor or moderate confidence the more likely is it that the groups (or subsets of them) of the local classification are not represented in the regional data set. The eleven most likely such groups are provided as plots on Google Earth images in Figure 5. They are predominantly on or close to the Fortescue Valley floor. This is not surprising, as most previous studies have not sampled these landforms.

Figure 5. Floristic units from the Nyidinghu local classification most likely to be not represented in the reference (regional) dataset.

Notes: The 50-group level units are used.



		→
50-group level unit 39 	50-group level unit 40 	50-group level unit 42 
50-group level unit 45 	50-group level unit 50 	

#### 4.4 Review of assignment to 600-group level using physiography and distribution

For those fifty-five cases where only one of the Nyidinghu sites was allocated to a 600-group unit of the reference classification, 12 seem quite likely to be correctly allocated as they occur close to reference sites on the same physiography. As the others are a mix of moderate and reasonable confidence in the allocation, it appears reasonable to suggest that they include some range extensions for the unit, some straight misallocation away from a unit that occurs in the area and some new groups. At the very least they indicate significant diversity.

In seventy-two cases all the reference sites of a 600-group level unit were well away from the Nyidinghu sites allocated to the same group (in 35 cases only one Nyidinghu site was allocated to the group). In twenty-three of these instances, all the sites were from the Weeli



Wolli alluvial fan and in another eight were from there and other parts of the survey area. Given that the Weeli Wolli alluvial fan is very poorly sampled in the reference data set and from the satellite imagery has significant diversity of habitat, it seems likely that these sites record a number of new units. Were there are several sites only from the Weeli Wolli alluvial fan, assigned to a unit, these is likely to be better defined. However, the number of units allocated to sites from this feature is such that it suggests that site selection or data recording (over-reliance on field identifications) has made the situation less clear than desirable. This problem should not take away from the fact that the Weeli Wolli alluvial fan obviously has significant floristic variation in its vegetation. Interestingly in these seventy-two cases there was no overlap between the Weeli Wolli alluvial fan and the Fortescue Valley in the distribution of the sites placed in a unit. On the other hand, there was overlap with the Hamersley slopes (escarpment), Hamersley alluvial (alluvial/colluvial fan along the base of the Hamersley Escarpment) and with the Chichester Plateau and slopes. This suggests that the analysis is picking up relationships in the floristics between sites on the Weeli Wolli alluvial fan and sites on the Hamersley Escarpment and alluvial slopes below with the same source material. There are some parts of the Chichester Range with similar geology.

Overall, the distribution of sites allocated to units by the analysis seems to make sense with some caution needed in the interpretation. The basic problem (as much as data issues) is likely to be that the assignment of the data to only six hundred groups forces too much variation into many of these groups. It seems that when areas (based on geology and physiography) not well sampled in the reference data set are added to the analysis, then new units are encountered. This seems to be the case for the Weeli Wolli alluvial fan, the Fortescue Valley and other such physiographic units in the survey area. Possibly surprisingly it seems to be the case for the Chichester Plateau, which is somewhat better sampled in the reference data set than the Weeli Wolli alluvial fan.

There is some apparent conflict between using the comparison of the local classification to the regional classification and the geographic/physiographic spread of units at the 600-group level to infer new group. This is likely to be due to the different level of synthesis of the units compared. What is important is that both methods infer new groups are likely to be present.

## 5.0 CONSERVATION ASSESSMENT

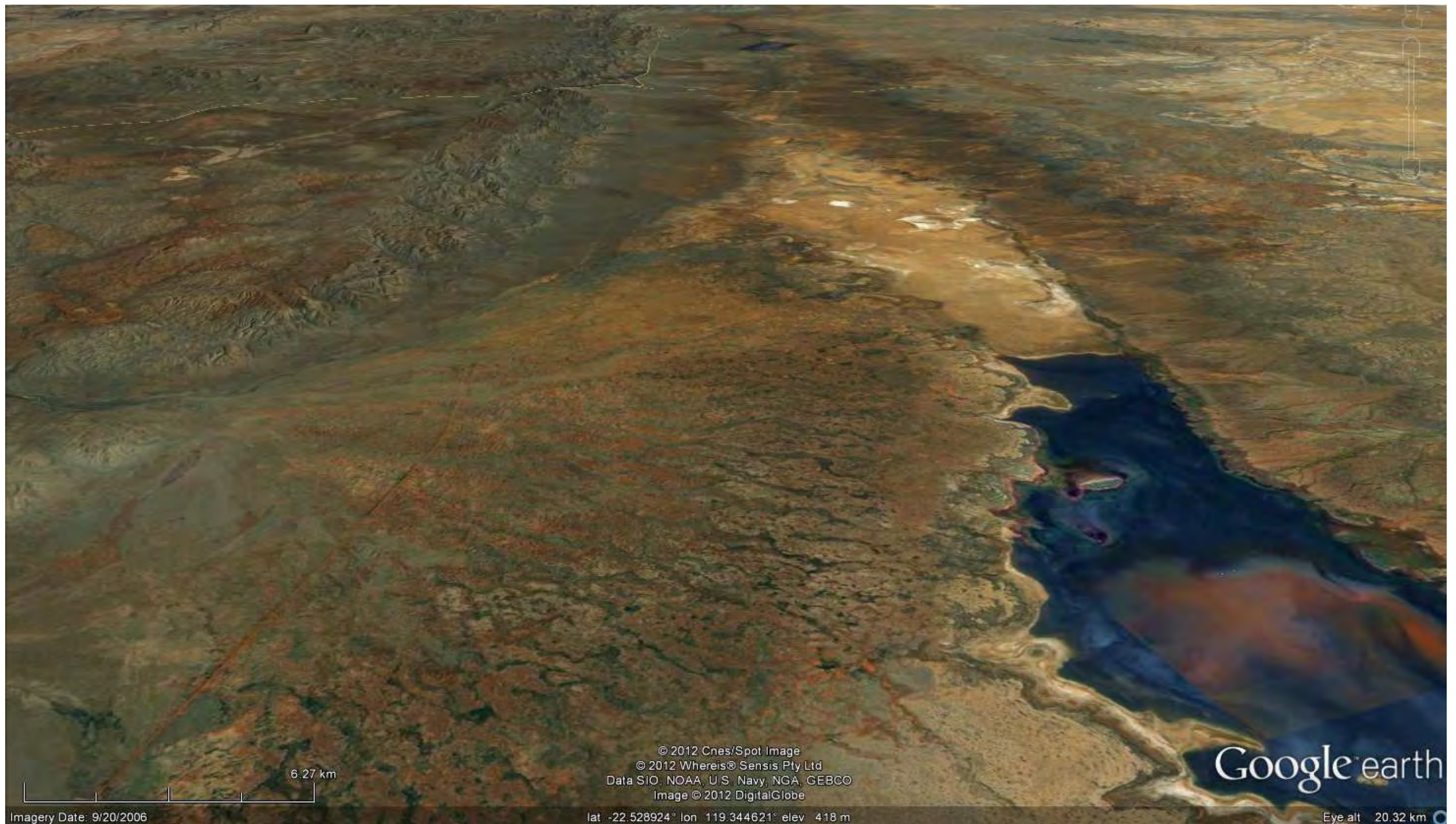
### 5.1 Assessment framework

A conservation assessment needs to be framed in an appropriate context to have proper meaning. This may consist of more than one level. In the present case, the distinctive vegetation and flora of the Pilbara Bioregion means that there is (with one possible exception) no need to go outside that bioregion. The one exception to this is in the special case of the Fortescue Marsh samphire vegetation where there is evidence that some values extend to a lake south of Newman.

Experience from earlier analyses of Pilbara floristic data and vegetation and flora surveys (e.g. Griffin & Trudgen 2005, 2009a, b, c; Trudgen & Casson 1998; Trudgen and Griffin 2001; Trudgen, Morgan & Griffin 2002) has indicated that the major physiographic units of Beard (1975) have vegetation with largely distinctive floristic composition. There is overlap, particularly at higher levels of synthesis, or where geological types occur in more than one of the major physiographic units. The largely distinctive geologies of these large scale geomorphic features and the fact that topographic (and hence habitat) variation and climatic variation coincides with them to some extent means that the observed differences are not particularly surprising. These significant differences in the vegetation of the physiographic units of Beard (1975) imply that they are a reasonable component of the context for the assessment of conservation values for vegetation in the Pilbara Bioregion. That is, they can (with an appropriate modest degree of caution) be used as boundaries to make conservation assessments. However, it must be appreciated that these features are not uniform and within them there are many subdivisions. Where the subdivisions (for example, the Chichester slopes or the Weeli Wolli alluvial fan) have obvious correlation to vegetation differences, it is appropriate to use them.

The sites recorded for the Nyidinghu survey area are largely from two of the physiographic units of Beard (1975), the Chichester Plateau (including its southern slopes) and the Fortescue Valley (where it touches on the edge of the Fortescue Marsh). A small number of sites were recorded on the slopes of the Hamersley Range, which is also the source area for a major feature of the floor of the Fortescue Valley, namely the alluvial fan of the Weeli Wolli Creek. The Chichester Plateau differs markedly in geology to the Hamersley Range, which lies on the southern side of the Fortescue Valley. While the Chichester Plateau is mainly made from volcanic rocks, the Hamersley Range is mainly composed of banded ironstones, although there are areas of volcanics and other rock types.





**Figure 6.** Tilted satellite image looking westerly along the Fortescue Valley.

Notes. In the foreground are the alluvial fan of the Weeli Wolli Creek and the Fortescue Marsh (which extends into the pale brown area into the mid/background). The Hamersley Range is in the top left and the Chichester slopes and Plateau in the right hand side above the Fortescue Marsh. The paler colour in the top right hand corner is the granites of the Abydos Plain. The significant range of geomorphology is obvious, but note the difference in colour (reflecting source rocks) of the bajada (compound alluvial fan) on the Chichester slopes compared to the similar feature along the base of the Hamersley Range. Note also the patterns of vegetation on the Weeli Wolli alluvial fan that reflect the complex drainage patterns on this feature. The yellow line (broken) across the Fortescue Valley is the Great Northern Highway.



The section of the Chichester Plateau and its slopes traversed by the proposed rail line varies significantly in geology (see section 1.6 above). The slopes have well developed alluvial fans that have coalesced to form a bajada (compound alluvial fan). These alluvial fans presumably differ in soil characteristics from those on the southern side of the Fortescue Valley (on the lower part north facing slopes of the Hamersley Range) and the alluvial fan of the Weeli Wolli Creek due to the different source rocks involved. Figure 6 (above) shows these features in a tilted satellite image. The floristics of the vegetation of the bajada of the Chichester Plateau were examined in an earlier report (Griffin and Trudgen 2011) and found to have significant restriction in the occurrence of units found on them.

While the broad scale geomorphology of the area of interest undoubtedly has important connotations for assessing its conservation value for vegetation (as discussed above), this will not be fully relied upon in this report, as knowledge of the level of restriction of individual vegetation types to these physiographic areas is not detailed enough at this time to do so. The appropriate methodology is to use the physiographic information at a broad level and then look at other data to test this and to provide information at a lower level.

Therefore, the more detailed conservation assessments for vegetation made in this report will mainly be based on the floristic groups defined at the 600-group level of the reference classification (see introduction), with some use of the local classification. The investigations of the results of the analysis given in Griffin & Trudgen (2009a & b) indicate that the 600-group level of the reference classification is an appropriate basis for such assessments. It is likely that in most cases where a floristic group at the 600-group level is only recorded in the regional analysis from one of Beard's physiographic regions that it is restricted to that region.

## **5.2 Conservation assessment**

### **5.2.1 Vegetation of the Weeli Wolli alluvial fan**

#### **5.2.1.1 Geomorphological setting and extent**

The Weeli Wolli Creek alluvial fan is a large gently sloping structure deposited where the Weeli Wolli Creek enters the Fortescue Valley. It is located in the foreground of Figure 6, where the complex pattern of vegetation on this feature can readily be seen and which is shown in more detail in Figure 8. Presumably, this pattern of vegetation has developed over a long period of time as creeklines running through the alluvial fan have altered course and soil profiles have developed. This alluvial fan is one of a pair of similar structures that adjoin each other, the other one being the alluvial fan of the Fortescue River. This pair is shown in



Figure 7, the Weeli Wollie alluvial fan is just over 50 km wide and about 27 km from south to north. There are obvious similarities between these two structures, but there is no floristic data available from the Fortescue River alluvial fan to assess the degree of similarity of the vegetation. The Fortescue River upstream from its Fortescue Valley fan largely drains different geologies to those drained by the Weeli Wollie Creek. Also, the eastern side of the Fortescue River fan may have had sand deposited on it from the areas of sandplain to the east and the Fortescue River has been dammed upstream from the fan, which will have affected the deposition of alluvium on the fan and may affect the vegetation on it in the longer term.



**Figure 7.** Satellite image showing the Weeli Wollie Creek and Fortescue River alluvial fans in the Fortescue Valley

Notes. The image is rotated so that the top of the image is north-east, not north.

In spite of these differences, it is clear from the satellite images that the Weeli Wollie and Fortescue River alluvial fans have similar patterns of vegetation, although it is not possible to tell how similar their vegetation is floristically. What can be said is that from the distinctive geomorphology they share, that is it is reasonable to consider these two features as a separate entity for assessment of their vegetation, although this must be done with some caution, as they are likely to have differences floristically. Excluded from this is what appears to be an older structure (with more uniform appearance on Figure 7) at the junction of the two fans. From the imagery, it appears this feature is no longer active in the way the other fans are.

### 5.2.1.2 Floristic restriction to the Weeli Wolli fan in the new data shown by the local classification

Figure 5 (see above) shows floristic units at the 50-group level of the Nyidinghu local classification (i.e. the stand alone classification of the Nyidinghu data) that are most likely to be not represented in the reference (regional) dataset. Of these eleven units of the local classification, eight occur on the Weeli Wolli alluvial fan of which five were only recorded from it (see Table 7).

The inference is clear, the Weeli Wolli alluvial fan (and to some unknown level the Fortescue River alluvial fan) has a significant diversity of floristic types not found in the 2,883 site reference data set. While it is obvious that five of these types were not in the reference data because it did not sample the Weeli Wolli alluvial fan, it does not take away from the fact that these units are restricted to the alluvial fan and for the other three largely restricted to it in the available data.

**Table 7.** Units of the 50-group level of the local (Nyidinghu data only) classification recorded from the Weeli Wolli alluvial fan

<b>Unit of the local classification</b>	<b>Restriction to the Weeli Wolli alluvial fan</b>
50-group level unit 14	Restricted
50-group level unit 30	Restricted
50-group level unit 34	Restricted, but one site at edge of the fan
50-group level unit 39	Restricted
50-group level unit 40	Restricted
50-group level unit 37	One site on margin of Chichester Slopes
50-group level unit 38	Two sites on margin of Hamersley alluvium/colluvium slopes
50-group level unit 45	Seven sits on fan and four off of it (see Figure 5)

### 5.2.1.3 Floristic restriction to and diversity on the Weeli Wolli fan shown by the assignment of the Nyidinghu sites to the 600-group level units of the reference classification

The reference (regional) classification was set at 600 groups as a compromise between the variation in the reference data set and the number of sites in it (2,883 - which seems large until you consider the geological and habitat variation in the Pilbara Bioregion). If many more groups had been defined, then many would have had only one site – which is not greatly useful). What is apparent in the current analysis is that many of the sites from the Nyidinghu data set are closest to groups that are otherwise geographically remote. In some cases this may be due to data inadequacy or the inadequacy of current taxonomy. In most of these cases however, it is likely that the Nyidinghu sites represent new groups.

This makes interpretation of the results for the assignment of the Nyidinghu data to the 600-group level units of the reference classification somewhat more difficult than otherwise, but not greatly. The Nyidinghu sites were assigned with three levels of confidence to the reference classification, this suggests that at least for those of lower confidence that when the geographic separation from the sites in the reference data set assigned to the same unit is high the likelihood is that the Nyidinghu sites represent a new unit. Irrespective of the certainty of the assignment, the assignment to differed groups shows diversity in the floristics of the Weeli Wolli alluvial fan.

Table 8. lists the units at the 600-goup level of the reference classification recorded for the Weeli Wolli alluvial fan. There are fifty groups recorded, of which 34 are only recorded for the Weeli Wolli alluvial fan in the Nyidinghu data and the other sixteen from the fan and other physiographic features. Note that twenty-six of the units do not have sites from the reference data set in the Nyidinghu area or nearby to it ("away" in the table). The sites in these units are likely to represent new units when a better classification is available (although probably not that many). Note that where there is overlap with other physiographic units, it is mostly with other units that are formed by alluvial processes.

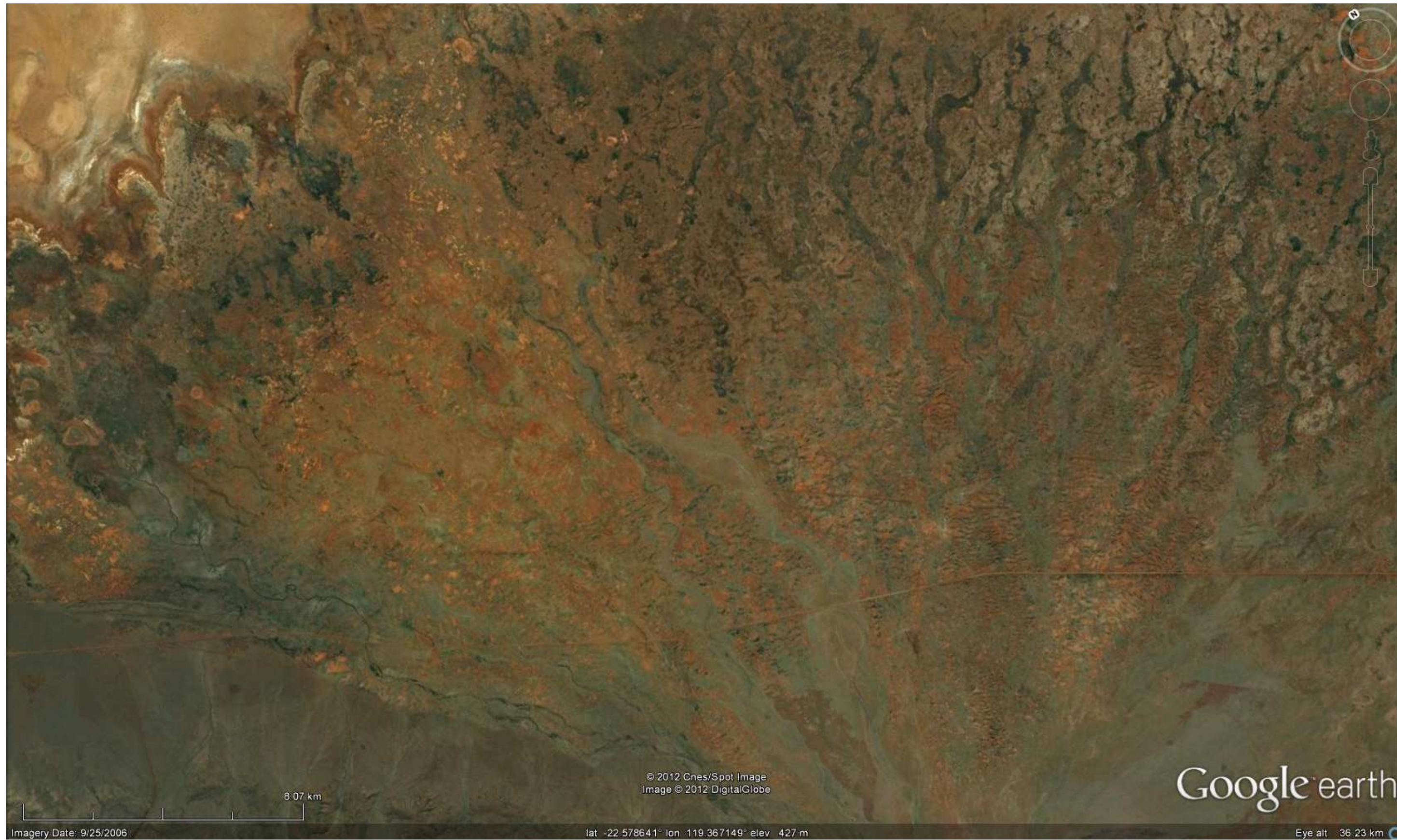
The logical conclusion is that the Weeli Wolli alluvial fan has quite high floristic diversity in the vegetation that occurs in it and that a significant portion of this variation is likely to be restricted to it, or to it and the adjoining Fortescue River alluvial fan.

**Table 8.** Units at the 600-group level of the reference classification recorded in the Nyidinghu data for the Weeli Wolli alluvial fan

600-group unit	Data group	Physiographic unit(s)	Distance to closest site in reference data set	Number of sites
182	R1	Weeli Wolli Fan	Away	1
188	R1, N1	Weeli Wolli Fan	Away	1
196	R1	Weeli Wolli Fan	Away	1
265	R1, N1	Weeli Wolli Fan	Away	1
266	R1	Weeli Wolli Fan	Away	1
296	N1	Weeli Wolli Fan	Away	1
318	N1, R1	Weeli Wolli Fan	Away	1
324	N1	Weeli Wolli Fan	Away	1
325	N1, R1	Weeli Wolli Fan	Away	1
393	N1	Weeli Wolli Fan	Away	1
414	N1	Weeli Wolli Fan	Away	1
437	N1	Weeli Wolli Fan	Away	1
485	N1	Weeli Wolli Fan	Away	1
600	N1	Weeli Wolli Fan	Away	1
141	R1, N2	Weeli Wolli Fan	Away	2

284	N1?	Weeli Wolli Fan	Away	2
423	N2	Weeli Wolli Fan	Away	2
147	N12, R9	Weeli Wolli Fan	Away	15
319	N2	Weeli Wolli Fan	Away – (HS/FV)	2
397	N2	Weeli Wolli Fan	Away & Local (HS)	2
552	N6, R1	Weeli Wolli Fan	Away & Nearby	6
155	N3, R2	Weeli Wolli Fan	Away & Nearby+ (CS)	4
385	N4, R7	Weeli Wolli Fan	Local (close) (WWF)	9
406	N1	Weeli Wolli Fan	Local (CS – east)	1
435	N2	Weeli Wolli Fan	Local (CS) & Nearby (CS)	2
380	N2	Weeli Wolli Fan	Local+ (CS – east)	2
430	N10	Weeli Wolli Fan	Nearby (CS)	10
508	N1	Weeli Wolli Fan	Nearby+	1
428	N8, R2	Weeli Wolli Fan	Nearby+ (CS, HS)	7
426	R1, N2	Weeli Wolli Fan	Nearby+ (FV)	2
145	N6	Weeli Wolli Fan	Nearby+ (FV)	5
384	R1, N11,	Weeli Wolli Fan (edge)	Local	10
131	N7, R2	Weeli Wolli Fan,	Away (AB)	2
123	N1	Weeli Wolli Fan,	Nearby (AP)	1
148	N3, R4	Weeli Wolli Fan, Chichester Plateau	Away	5
276	N4, R3	Weeli Wolli Fan, Chichester Plateau	Away	5
575	N5, R2	Weeli Wolli Fan, Chichester Plateau	Nearby (CS & HS)	7
427	N9, R11	Weeli Wolli Fan, Chichester Plateau, Hamersley alluvial, Chichester slopes	Away & Local (1, HA) & Nearby+ (CS)	18
398	N1, R2	Weeli Wolli Fan, Chichester slopes	Away (CP)	3
433	N2, R3	Weeli Wolli Fan, Chichester slopes	Local (close) (CS)	5
567	N5, R4	Weeli Wolli Fan, Chichester slopes	Nearby & Nearby + (CS)	7
404	N19, R7	Weeli Wolli Fan, Fortescue Valley	Local (close) (FV)	24
273	N4, R2	Weeli Wolli Fan, Hamersley alluvial	Away	5
556	N1, R2	Weeli Wolli Fan, Hamersley alluvial	Away -	2
577	N6, R11	Weeli Wolli Fan, Hamersley alluvial	Close (adjacent)	13
424	N11, R5	Weeli Wolli Fan, Hamersley alluvial	Local (close)	12
379	N16, R4	Weeli Wolli Fan, Hamersley alluvial	Local (WWF, HA) & Nearby (HR)	18
425	N32, R2	Weeli Wolli Fan, Hamersley alluvial, Hamersley slopes	Nearby+ (CS, FV)	32
171	N3	Weeli Wolli Fan, Hamersley slopes	Away	3
282	N1, R1	Weeli Wolli Fan, Hamersley slopes	Away & Nearby (CP)	2





**Figure 8.** Weeli Wolli alluvial fan showing the patterns of vegetation on it and the fact that it is not uniform from north to south and that there is a (apparent?) difference between the western and eastern mid-sections. Notes. The top of the image is north-north-east, not north. In the left hand bottom of the image there is a part of the colluvium/alluvium slopes at the bottom of the escarpment of the Hamersley Range.



## **5.2.2 Vegetation of the alluvial slopes of the Hamersley Escarpment**

### **5.2.2.1 Geomorphological setting and extent**

The Hamersley Escarpment (see figures 6 and 9) is the northerly face of the Hamersley Range and extends for the length of the Fortescue Valley, of which it forms one side. Over this length there is variation in the geology and climate, as well as the height and degree of dissection of the escarpment. These factors will cause changes in floristics along the

### **5.2.2.2 Floristic restriction to the Hamersley Escarpment in the new data shown by the local classification**

Figure 5 (see above) shows floristic units at the 50-group level of the Nyidinghu local classification (i.e. the stand alone classification of the Nyidinghu data) that are most likely to be not represented in the reference (regional) dataset. Of these, none are restricted to the Hamersley Escarpment ("slopes"), although one site from 50-group level unit 45 is located on the escarpment. There is therefore no floristic variation on the Hamersley Escarpment in the Nyidinghu data that represents groups not represented elsewhere.

### **5.2.2.3 Floristic restriction and diversity of the Hamersley Escarpment shown by the assignment of the Nyidinghu sites to the 600-group level units of the reference classification**

Table 9 lists the units at the 600-group level of the reference classification recorded for the Hamersley Escarpment. There are eleven groups recorded, of which three are only recorded for the Hamersley Escarpment in the Nyidinghu data, the other eight re recorded from the Escarpment and other physiographic features. Note that only four of the units do not have sites from the reference data set in the Nyidinghu area or nearby to it ("away" in the table). The sites in these units are likely to represent new units when a better classification is available. Note that where there is overlap with other physiographic units, it is with the alluvial fans along the base of the Escarpment and the Chichester Plateau, where there are areas of similar rocks to the escarpment (although most of the Plateau is different geology). Escarpment.



**Figure 9.** Satellite image showing a large segment of the Hamersley Escarpment ("slopes") on the south side of the Fortescue Valley and similar segments of the alluvial fans along the base of the Hamersley Escarpment, the Fortescue Valley, the Chichester Plateau and the Chichester slopes.

Notes. The image is rotated so that the top of the image is north-north-east, not north. Note the largely greyish colour (due to the Haematite in the source rocks) of the alluvial fans along the base of the Hamersley Escarpment compared to the browner Chichester slopes (alluvial fans). East from the Weeli Wolli Creek, the Hamersley Escarpment is very subdued.

**Table 9.** Units at the 600-group level of the reference classification recorded in the Nyidinghu data for the Hamersley Escarpment ("slopes")

600-group unit	Data group	Physiographic unit	Distance to closest site in reference data set	Number of sites
529	N2	Hamersley slopes	Close (very) (HS, HR)	2
381	N1	Hamersley slopes	Local (close)	1
079	R1	Hamersley slopes	Away	1
569	R1, N2	Hamersley slopes, Chichester Plateau,	Nearby & Nearby + (CP & CS)	3
528	N4, R1	Hamersley slopes, Chichester Plateau,	Close (very) (HR & CP)	5
249	N1, R2	Hamersley slopes, Chichester Plateau,	Away	3
083	N1	Hamersley slopes, Chichester Plateau,	Away	2
314	N1, R1	Hamersley slopes, Fortescue Valley,	Nearby+ (CP/CS)	2
386	N2	Hamersley slopes, Hamersley alluvial	Local (HS) & nearby+ (AP)	3
383	N38, R12	Hamersley slopes, Hamersley alluvial	Local (close)	44
301	N1, R1	Hamersley slopes, Hamersley alluvial (edge FV)	Away	2

The conclusion is that the Hamersley Escarpment has relatively low floristic diversity in the vegetation that occurs on it in the Nyidinghu area and little of the variation is likely to be restricted to the Nyidinghu area. However, it should be noted that there are relatively few sites from the Escarpment in the Nyidinghu data set, which contributes to the lower diversity compared to the Weeli Wolli alluvial fan.

## 5.2.3 Vegetation of the floor of the Fortescue Valley

### 5.2.3.1 Geomorphological setting and extent

The Fortescue Valley separates the Hamersley range from the Chichester Plateau (see Figures 6 and 9) and runs for several hundred kilometres. Its floor is very varied, with the Fortescue Marsh and a similar but smaller wetland to the west being notable features. However, there are also other features such as a ridge across the valley floor at the western end of the Nyidinghu area. Figure 8 shows only part of the Valley, which extends to the east and the west.

### 5.2.3.2 Floristic restriction to the Fortescue Valley floor in the new data shown by the local classification

Figure 5 (see above) shows floristic units at the 50-group level of the Nyidinghu local classification (i.e. the stand alone classification of the Nyidinghu data) that are most likely to be not represented in the reference (regional) dataset. Of these eleven units of the local classification, two occur on the ridge across the valley floor at the west end of the Nyidinghu area. They are 50-group level unit 15, which was only recorded on the ridge and 50-group level unit 50, which was on the ridge and extended onto the lower part of the Chichester slopes.



### 5.2.3.3 Floristic restriction to and diversity in the Fortescue Valley floor shown by the assignment of the Nyidinghu sites to the 600-group level units of the reference classification

Although the number of sites from the Fortescue Valley in the Nyidinghu data is a fairly small part of the data, it contains thirteen of the 600-group level units of the reference classification assigned to the sites. Of these seven (see Table 10) were only recorded from the valley floor and the remainder were recorded from one or two other physiographic units as well. Of the thirteen units only recorded from the valley floor, five were not recorded locally or nearby in the reference data set. These may include new units at this level of discrimination. This also applies to three of the other units. Note in Table 8 the low overlap with the Weeli Wolli alluvial fan.

**Table 10.** Units at the 600-group level of the reference classification recorded in the Nyidinghu data for the Fortescue Valley floor

600-group unit	Data group	Physiographic unit	Distance to closest site in reference data set	Number of sites
190	R1	Fortescue Valley	Away	1
194	R1	Fortescue Valley	Away	1
310	R2	Fortescue Valley	Away	2
484	R3	Fortescue Valley	Away	3
486	R3	Fortescue Valley	Away	3
487	R3	Fortescue Valley	Close (very) (FV)	3
547	R1	Fortescue Valley	Close (adjacent) (FV)	1
565	R10	Fortescue Valley, Chichester Plateau, Chichester slopes	Away	10
450	R3	Fortescue Valley, Chichester slopes	Away & Nearby (FV)	3
040	R1	Fortescue Valley, Hamersley alluvial	Away	1
254	N2, R2	Fortescue Valley, Hamersley alluvial	Away	4
314	N1, R1	Fortescue Valley, Hamersley slopes	Nearby+ (CP/CS)	2
404	N19, R7	Fortescue Valley, Weeli Wolli Fan	Local (close) (FV)	24

Given the small part of the data set involved, we can say that the data suggests the floor of the Fortescue Valley has significant floristic diversity in the Nyidinghu area. Given the fact that many of the groups sites have been assigned to have not previously been recorded in the floor of the Valley in the Nyidinghu area or nearby to it, there is likely to be variation that is restricted in distribution.

## 5.2.4 Vegetation of the southern slopes of the Chichester Plateau

### 5.2.4.1 Geomorphological setting and extent

The part of the southern slopes of the Chichester Plateau through which sites were recorded for the Nyidinghu Project are (as noted above) a section of these slopes with well-developed

alluvial fans. They form a physiographic feature called a *bajada*, a compound group of alluvial fans, this feature is likely to drive the vegetation values of the area of interest. The source rock for these fans is largely the volcanic rocks of the Chichester Plateau, although for part of the area of interest there is also a thin band of banded ironstone along the upper slopes and Chichester Plateau edge. This section of the Chichester slopes was discussed in some detail in Griffin and Trudgen (2011).

#### **5.2.4.2 Floristic restriction in the new data shown by the local classification**

Figure 5 (see above) shows floristic units at the 50-group level of the Nyidinghu local classification (i.e. the stand alone classification of the Nyidinghu data) that are most likely to be not represented in the reference (regional) dataset. Of these eleven units of the local classification, three occur on the Fortescue Slopes and one of them was only recorded from them. This was 50-group level unit 42 of the local classification. The other two are 50-group level unit 37 (which has one site on the slopes and the rest on the lower edge of the Weeli Wolli alluvial fan) and 50-group level unit 45 (which has two sites on the slopes and the rest scattered through three other local physiographic units).

The low number new groups using this method is partly a reflection of the fact that one of the surveys included in the reference data set runs along these slopes (ie, they are relatively well sampled). The other factor is that the sites recorded are a transect up the slopes, minimising the variation sampled.

#### **5.2.4.3 Floristic restriction to and diversity of the Chichester Slopes shown by the assignment of the Nyidinghu sites to the 600-group level units of the reference classification**

Even though the sites on the Chichester slopes recorded for the Nyidinghu survey are on a transect up the slopes, they were assigned to ten units of the 600-group level of the reference classification. Of these units, four had no sites from the reference data set either locally or nearby (see Table 11) and may represent new groups. Where the units did have sites local or nearby, they were from a mixture of local physiographic units.

From this data, it is apparent that for a narrow strip up the Chichester slopes, the Nyidinghu sites have significant floristic restriction (although this is likely to extend out of the strip) and diversity

**Table 11.** Units at the 600-group level of the reference classification recorded in the Nyidinghu data for the Chichester Slopes

600- group unit	Data group	Physiographic unit	Distance to closest site in reference data set	Number of sites
456	R1	Chichester slopes	Away	1
244	R1	Chichester slopes	Away (of which 1 in Ham St flats)	1
527	R4	Chichester slopes Chichester Plateau	Close (very) (CP)	4
568	R2	Chichester slopes, Chichester Plateau	Nearby (CP)	3
565	R10	Chichester slopes, Chichester Plateau, Fortescue Valley	Away	10
450	R3	Chichester slopes, Fortescue Valley	Away & Nearby (FV)	3
398	N1, R2	Chichester slopes, Weeli Wollli Fan	Away (CP)	3
433	N2, R3	Chichester slopes, Weeli Wollli Fan	Local (close) (CS)	5
567	N5, R4	Chichester slopes, Weeli Wollli Fan	Nearby & Nearby + (CS)	7
427	N9, R11	Chichester slopes, Weeli Wollli Fan, Chichester Plateau, Hamersley alluvial	Away & Local (1, HA) & Nearby+ (CS)	18

## 5.2.5 Vegetation of the Chichester Plateau

### 5.2.5.1 Geomorphological setting and extent

The Chichester Plateau is a major physiographic feature of the Pilbara Bioregion, it is less well known than the Hamersley Range, but is of similar extent although less rugged. It largely has subdued topography, but in places there are gorges and high points and on its northern side there is a significant escarpment.

### 5.2.5.2 Floristic restriction in the new data shown by the local classification

Figure 5 (see above) shows floristic units at the 50-group level of the Nyidinghu local classification (i.e. the stand alone classification of the Nyidinghu data) that are most likely to be not represented in the reference (regional) dataset. Of these eleven units of the local classification, none occur on the Chichester Plateau.

### 5.2.5.3 Floristic restriction to and diversity of the Chichester Plateau shown by the assignment of the Nyidinghu sites to the 600-group level units of the reference classification

In table 12, the Nyidinghu sites on the Chichester Plateau are shown assigned to forty-two of the 600-group units of the reference classification. Given that the Nyidinghu data for the Chichester Plateau is largely along a transect, rather than widely dispersed, this indicates significant floristic diversity in the vegetation sampled. Of these forty two units, twenty-one are shown as having no sites either locally or nearby to the Nyidinghu sites. This suggests that the data (at least partly) represents new units (although not necessarily twenty-one) that have not been sampled in the reference data set. As the reference data set does not have

much data from the Chichester Plateau around the area sampled by the Nyidinghu data, this is not surprising.

**Table 12.** Units at the 600-group level of the reference classification recorded in the Nyidinghu data for the Chichester Plateau

<b>600-group unit</b>	<b>Data group</b>	<b>Physiographic unit(s)</b>	<b>Distance to closest site in reference data set</b>	<b>Number of sites</b>
043	R1	Chichester Plateau	Away	1
047	R1	Chichester Plateau	Away	1
054	R1	Chichester Plateau	Away	1
056	R1	Chichester Plateau	Away	1
104	R1	Chichester Plateau	Away	1
138	R1	Chichester Plateau	Away	1
143	R1	Chichester Plateau	Away	1
247	R1	Chichester Plateau	Away	1
259	R2	Chichester Plateau	Away	1
267	R1	Chichester Plateau	Away	1
579	R1	Chichester Plateau	Away	1
048	R2	Chichester Plateau	Away	2
139	R2	Chichester Plateau	Away	2
144	R2	Chichester Plateau	Away	2
269	R3	Chichester Plateau	Away	3
020	R4	Chichester Plateau	Away	4
169	R1	Chichester Plateau	Away & Local (CP)	1
170	R1	Chichester Plateau	Away & Nearby + (CP)	1
537	R1	Chichester Plateau	Away (HR) & Close (adjacent)	1
473	R2	Chichester Plateau	Close (CP)	2
127	R1	Chichester Plateau	Local (CP)	1
160	R1	Chichester Plateau	Local (CP)	1
162	R2	Chichester Plateau	Local (CP) & Nearby (AP)	2
564	R1	Chichester Plateau	Nearby	4
128	R2	Chichester Plateau	Nearby & Local (CP, AP)	2
163	R1	Chichester Plateau	Nearby (CP)	1
471	R1	Chichester Plateau	Nearby (CP)	1
460	R1	Chichester Plateau	Nearby + (CP)	1
470	R1	Chichester Plateau	Nearby + (CP)	1
362	R1	Chichester Plateau	Nearby+ (AP)	1
365	R1	Chichester Plateau	Nearby+ (AP)	1
568	R2	Chichester Plateau, Chichester slopes	Nearby (CP)	3
565	R10	Chichester Plateau, Fortescue Valley, Chichester slopes	Away	10
071	R1, N1	Chichester Plateau, Hamersley alluvial	Away	2
083	N1	Chichester Plateau, Hamersley slopes	Away	2
249	N1, R2	Chichester Plateau, Hamersley slopes	Away	3
528	N4, R1	Chichester Plateau, Hamersley slopes	Close (very) (HR & CP)	5
569	R1, N2	Chichester Plateau, Hamersley slopes	Nearby & Nearby + (CP & CS)	3
527	R4	Chichester Plateau, Chichester slopes	Close (very) (CP)	4
276	N4, R3	Weeli Wolli Fan, Chichester Plateau	Away	5
575	N5, R2	Chichester Plateau, Weeli Wolli Fan,	Nearby (CS & HS)	7
427	N9, R11	Chichester Plateau, Weeli Wolli Fan, Hamersley alluvial, Chichester slopes	Away & Local (1, HA) & Nearby+ (CS)	18



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## 8.0 APPENDICES

### Appendix 1 Reconciliation of Species in Regional Analysis

	NAME	lookup
	? Bothriochloa	omitted
	Asteraceae sp.	omitted
	Asteraceae sp. (inadequate material)	omitted
	Chara sp.	omitted
	Cyperaceae sp.	omitted
	Fabaceae indet.	omitted
	Goodeniaceae sp.	omitted
	Papilionaceae sp.	omitted
	Poaceae sp.	omitted
	Poaceae sp. (CP19-3, WPI)	omitted
	Poaceae sp. (inadequate material)	omitted
	Podaxis pistillaris	omitted
	Unknown sp.	omitted
	Unknown sp. (inadequate material)	omitted
29	Cheilanthes sieberi subsp. sieberi	Cheilanthes sieberi
29	Cheilanthes sp.	omitted
29	Cheilanthes sp. (inadequate material)	omitted
156	Bulbostylis turbinata (form B; M1-16)	Bulbostylis turbinata
156	Cyperus sp.	omitted
156	Fimbristylis ? depauperata	Fimbristylis depauperata
156	Fimbristylis sp.	omitted
163	Amphipogon sericeus	Amphipogon sericeus (Hammersley form; MET 15,335)
163	Aristida holathera	Aristida holathera var. holathera
163	Aristida sp.	omitted
163	Aristida sp. (inadequate material)	omitted
163	Chloris sp.	omitted
163	Cymbopogon ? ambiguus	Cymbopogon ambiguus
163	Cymbopogon ? bombycinus	Cymbopogon bombycinus
163	Cymbopogon ? obtectus	Cymbopogon obtectus
163	Cymbopogon sp.	omitted
163	Cymbopogon sp. (inadequate material)	omitted
163	Cyperochloa hirsuta	omitted
163	Digitaria sp.	omitted
163	Enneapogon sp.	omitted
163	Enneapogon sp. (inadequate material)	omitted
163	Eragrostis ? elongata	Eragrostis elongata
163	Eragrostis aff. xerophila	Eragrostis xerophila
163	Eragrostis sp.	omitted
163	Eragrostis sp. (inadequate material)	omitted
163	Eragrostis xerophila (fine leaf form)	Eragrostis xerophila
163	Eragrostis xerophila (typical)	Eragrostis xerophila
163	Eriachne aff. benthamii	Eriachne benthamii
163	Eriachne mucronata	Eriachne mucronata (typical form)
163	Eriachne mucronata (Arid Form)	Eriachne mucronata (arid form) (MET 12 736)
163	Eriachne pulchella subsp. dominii	Eriachne pulchella
163	Eriachne pulchella subsp. pulchella	Eriachne pulchella
163	Eriachne sp.	omitted
163	Eriachne sp. (inadequate material)	omitted
163	Iseilema sp.	omitted
163	Leptochloa fusca	omitted
163	Panicum sp.	omitted
163	Paractaenum refractum	Urochloa piligera
163	Paspalidium sp.	omitted
163	Setaria sp.	Setaria dielsii



	NAME	lookup
163	<i>Triodia</i> ? basedowii	omitted
163	<i>Triodia</i> aff. <i>epactia</i>	<i>Triodia epactia</i>
163	<i>Triodia</i> aff. <i>lanigera</i> (dwarf habit)	omitted
163	<i>Triodia</i> aff. <i>longiceps</i>	<i>Triodia longiceps</i>
163	<i>Triodia</i> aff. <i>pungens</i>	<i>Triodia pungens</i>
163	<i>Triodia epactia</i> (Form 1)	<i>Triodia epactia</i>
163	<i>Triodia epactia</i> (Form 2)	<i>Triodia epactia</i>
163	<i>Triodia epactia</i> (Form 3)	<i>Triodia epactia</i>
163	<i>Triodia epactia</i> (Form 4)	<i>Triodia epactia</i>
163	<i>Triodia epactia</i> (Form 5)	<i>Triodia epactia</i>
163	<i>Triodia</i> sp.	omitted
163	<i>Triodia</i> sp. nov.	<i>Triodia</i> sp. Robe River
163	<i>Urochloa gilesii</i> subsp. <i>gilesii</i> (glabrous florets)	omitted
163	<i>Urochloa</i> sp.	omitted
163	<i>Urochloa</i> sp. 'glabrous apices'	omitted
163	<i>Whiteochloa</i> aff. <i>airoides</i>	<i>Whiteochloa airoides</i>
175	<i>Grevillea</i> sp.	omitted
175	<i>Grevillea wickhamii</i> subsp. ?	<i>Grevillea wickhamii</i>
175	<i>Grevillea wickhamii</i> subsp. <i>aprica</i>	<i>Grevillea wickhamii</i>
175	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	<i>Grevillea wickhamii</i>
175	<i>Grevillea wickhamii</i> subsp. <i>macrodonta</i>	<i>Grevillea wickhamii</i>
199	<i>Tribulus</i> sp.	omitted
199	<i>Tribulus</i> sp. (inadequate material)	omitted
199	<i>Zygophyllum eichleri</i>	<i>Zygophyllum iodocarpum</i>
199	<i>Zygophyllum retivalve</i>	<i>Zygophyllum iodocarpum</i>
199	<i>Zygophyllum</i> sp.	<i>Zygophyllum iodocarpum</i>
201	? <i>Glycine</i> sp.	omitted
201	<i>Acacia</i> ? <i>hilliana</i> x <i>stellaticeps</i> (GLD(NIM)23.28)	omitted
201	<i>Acacia</i> ? <i>lysiphloia</i> x <i>monticola</i> (B.R. Maslin 2671)	omitted
201	<i>Acacia</i> aff. <i>aneura</i> (scythe-shaped; MET 15,743)	<i>Acacia aneura</i> var. <i>intermedia</i>
201	<i>Acacia ancistrocarpa</i> x <i>stellaticeps</i>	omitted
201	<i>Acacia aneura</i>	omitted
201	<i>Acacia aneura</i> var. ?	omitted
201	<i>Acacia aptaneura</i>	omitted
201	<i>Acacia atkinsiana</i> X <i>tenuissima</i>	omitted
201	<i>Acacia ayersiana</i> x	omitted
201	<i>Acacia bivenosa</i> x <i>sclerosperma</i>	omitted
201	<i>Acacia citrinoviridis</i> (atypical)	<i>Acacia citrinoviridis</i>
201	<i>Acacia colei</i> x <i>elachantha</i>	omitted
201	<i>Acacia coriacea</i>	<i>Acacia coriacea</i> subsp. <i>coriacea</i>
201	<i>Acacia elachantha</i> (golden hairy form)	<i>Acacia elachantha</i>
201	<i>Acacia elachantha</i> (golden hairy variant)	<i>Acacia elachantha</i>
201	<i>Acacia elachantha</i> (silvery hairy variant)	<i>Acacia elachantha</i>
201	<i>Acacia eriopoda</i> x <i>monticola</i> (B.R. Maslin 7322)	omitted
201	<i>Acacia hamersleyensis</i>	<i>Acacia hamersleyensis</i> (bushy form)
201	<i>Acacia hamersleyensis</i> (spindly form)	<i>Acacia hamersleyensis</i> (bushy form)
201	<i>Acacia incurvaneura</i>	omitted
201	<i>Acacia monticola</i> x <i>tumida</i> var. <i>pilbarensis</i>	omitted
201	<i>Acacia mulganeura</i>	omitted
201	<i>Acacia rhodophloia</i> x <i>sibirica</i>	omitted
201	<i>Acacia sclerosperma</i>	<i>Acacia sclerosperma</i> subsp. <i>sclerosperma</i>
201	<i>Acacia sibirica</i>	omitted
201	<i>Acacia</i> sp.	omitted

	NAME	lookup
201	Acacia sp. (inadequate material)	omitted
201	Acacia stenophylla	Acacia stellaticeps
201	Acacia trachycarpa x	omitted
201	Acacia trachycarpa x tumida	omitted
201	Acacia trachycarpa x tumida var. pilbarensis	omitted
201	Acacia trachycarpa x tumida var. pilbarensis	omitted
201	Acacia tumida	Acacia tumida var. pilbarensis
201	Acacia tumida subsp. ? pilbarensis x ?	Acacia tumida var. pilbarensis
201	Cassia ? glaucifolia x aff. oligophylla (thinly sericeous)(FMR29-11)	omitted
201	Cassia ? oligophylla x	omitted
201	Cassia ? oligophylla x glaucifolia	omitted
201	Cassia aff. oligophylla (thinly sericeous) x helmsii	omitted
201	Cassia glaucifolia x ? (site 626)	omitted
201	Cassia glaucifolia x glutinosa	omitted
201	Cassia glutinosa x luerssenii	omitted
201	Cassia glutinosa x 'stricta'	omitted
201	Cassia hamersleyensis x sp. Karajini (MET 10 392)	Senna hamersleyensis x sp. Karijini(M.E. Trudgen 10392)
201	Cassia helmsii x	omitted
201	Cassia helmsii x 'stricta'	omitted
201	Cassia luerssenii x 'stricta'	omitted
201	Cassia oligophylla x	omitted
201	Cassia oligophylla x glutinosa (FMG116-02)	omitted
201	Cassia oligophylla x helmsii	Senna artemisioides subsp. helmsii
201	Cassia oligophylla x helmsii (FMR75-01)	Senna artemisioides subsp. helmsii
201	Cassia pruinosa x ?glutinosa	omitted
201	Cassia pruinosa x luerssenii	omitted
201	Cassia sp. Karajini (MET 10,392)	Senna sp. Karijini (M.E. Trudgen 10392)
201	Cassia sp. West Angelas (MET 16,115)	Senna sp. West Angeles (M.E.Trudgen 16,115)
201	Cassia 'stricta'	Senna stricta
201	Crotalaria medicaginea (Burrup form; B65-11)	Crotalaria medicaginea
201	Crotalaria medicaginea (Cape Preston form; M63-12)	Crotalaria medicaginea
201	Crotalaria medicaginea var. neglecta	Crotalaria medicaginea
201	Crotalaria sp.	omitted
201	Crotalaria trifoliatum	Crotalaria medicaginea
201	Cullen sp.	omitted
201	Desmodium sp.	omitted
201	Indigastrum parviflorum (Cape Preston form; M23-12)	Indigastrum parviflorum
201	Indigofera sp.	omitted
201	Indigofera sp. (HD19)	omitted
201	Kennedia cf. prorepens (HD284-7)	Kennedia prorepens
201	Neptunia aff. dimorphantha (M27)	Neptunia dimorphantha
201	Rhynchosia minima	Rhynchosia minima var. australis
201	Rhynchosia minima var. aff. australis	Rhynchosia minima var. australis
201	Senna artemisioides aff. subsp. oligophylla x helmsii	Senna artemisioides subsp. oligophylla x helmsii
201	Senna artemisioides subsp. ? oligophylla x	omitted
201	Senna artemisioides subsp. aff. oligophylla (thinly sericeous)	Senna artemisioides aff. subsp. oligophylla (thinly sericeous)
201	Senna artemisioides subsp. alto oligophylla (thinly sericeous)	Senna artemisioides aff. subsp. oligophylla (thinly sericeous)
201	Senna artemisioides subsp. oligophylla x glutinosa	omitted
201	Senna artemisioides subsp. x artemisioides	omitted

	NAME	lookup
201	<i>Senna artemisioides</i> subsp. x <i>sturtii</i>	omitted
201	<i>Senna glutinosa</i>	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>
201	<i>Senna glutinosa</i> subsp. <i>charlesiana</i>	omitted
201	<i>Senna glutinosa</i> subsp. <i>glutinosa</i> x <i>luerssenii</i>	omitted
201	<i>Senna glutinosa</i> subsp. <i>glutinosa</i> x <i>stricta</i>	omitted
201	<i>Senna glutinosa</i> subsp. <i>luerssenii</i> x <i>pruinosa</i>	omitted
201	<i>Senna glutinosa</i> subsp. <i>luerssenii</i> x <i>stricta</i>	omitted
201	<i>Senna glutinosa</i> subsp. x <i>glutinosa</i> x <i>stricta</i>	omitted
201	<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	<i>Senna glutinosa</i> subsp. <i>luerssenii</i>
201	<i>Senna</i> sp.	omitted
201	<i>Senna</i> sp. (inadequate material)	omitted
201	<i>Swainsona</i> sp.	omitted
201	<i>Tephrosia</i> aff. <i>clementii</i>	omitted
201	<i>Tephrosia</i> aff. <i>densa</i>	omitted
201	<i>Tephrosia</i> aff. <i>rosea</i>	omitted
201	<i>Tephrosia</i> aff. <i>supina</i>	omitted
201	<i>Tephrosia rosea</i>	omitted
201	<i>Tephrosia</i> sp.	omitted
201	<i>Tephrosia</i> sp. (HD133)	omitted
201	<i>Tephrosia</i> sp. (inadequate material)	omitted
201	<i>Tephrosia</i> sp. Pilbara (A.L. Payne PRP 1393)	<i>Tephrosia</i> aff. <i>supina</i> (MET 12,357)
201	<i>Tephrosia supina</i> (06BP45-006)	omitted
201	<i>Vigna</i> sp.	omitted
201	<i>Vigna</i> sp. central (M.E. Trudgen 1626)	<i>Vigna lanceolata</i> var. <i>latifolia</i>
201	<i>Zornia</i> sp.	omitted
203	<i>Polygala isingii</i>	<i>Polygala</i> aff. <i>isingii</i>
203	<i>Polygala</i> sp.	omitted
203	<i>Polygala</i> sp. prostrate (P.K. Latz 4900)	<i>Polygala</i> aff. <i>isingii</i>
211	<i>Ficus aculeata</i>	<i>Ficus aculeata</i> var. <i>indecora</i>
211	<i>Ficus aculeata</i> var. <i>indecora</i>	<i>Ficus aculeata</i> var. <i>indecora</i>
211	<i>Ficus platypoda</i> var. A	<i>Ficus brachypoda</i>
211	<i>Ficus platypoda</i> var. B	<i>Ficus brachypoda</i>
211	<i>Ficus platypoda</i> var. D	<i>Ficus brachypoda</i>
211	<i>Ficus platypoda</i> var. E	<i>Ficus brachypoda</i>
211	<i>Ficus platypoda</i> var. F	<i>Ficus brachypoda</i>
211	<i>Ficus platypoda</i> var. G	<i>Ficus brachypoda</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> (1) (grey scabrid rounded)	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> (2) (grey scabrid serrate)	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> (3) (green scabrid rounded)	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> (4) (green not scabrid)	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> sp. A	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> sp. B	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> sp. C	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> sp. D	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> sp. E	<i>Cucumis maderaspatanus</i>
224	<i>Mukia</i> aff. <i>maderaspatana</i> sp. F	<i>Cucumis maderaspatanus</i>
224	<i>Trichosanthes cucumerina</i>	<i>Trichosanthes cucumerina</i> var. <i>cucumerina</i>
242	<i>Adriana tomentosa</i>	<i>Adriana urticoides</i> var. <i>urticoides</i>
242	<i>Adriana tomentosa</i> var. <i>hookeri</i>	<i>Adriana urticoides</i> var. <i>urticoides</i>
242	<i>Adriana tomentosa</i> var. <i>tomentosa</i>	<i>Adriana urticoides</i> var. <i>urticoides</i>
242	<i>Euphorbia</i> aff. <i>australis</i>	omitted
242	<i>Euphorbia</i> aff. <i>boophthona</i> (large seed form)	<i>Euphorbia boophthona</i> (large seed form)
242	<i>Euphorbia</i> aff. <i>coghlanii</i>	omitted
242	<i>Euphorbia</i> aff. <i>drummondii</i>	omitted

	NAME	lookup
242	<i>Euphorbia</i> aff. <i>myrtoides</i>	omitted
242	<i>Euphorbia</i> <i>alsiniflora</i>	<i>Euphorbia</i> <i>coghlanii</i>
242	<i>Euphorbia</i> <i>australis</i> subsp. <i>glaucescens</i>	omitted
242	<i>Euphorbia</i> sp.	omitted
242	<i>Euphorbia</i> sp. (inadequate material)	omitted
242	<i>Euphorbia</i> <i>tannensis</i>	<i>Euphorbia</i> <i>tannensis</i> subsp. <i>eremophila</i> (Hamersley form)
242	<i>Euphorbia</i> <i>tannensis</i> subsp. <i>eremophila</i>	<i>Euphorbia</i> <i>tannensis</i> subsp. <i>eremophila</i> (Hamersley form)
247	<i>Notoleptopus</i> <i>decaisnei</i>	<i>Notoleptopus</i> <i>decaisnei</i> var. <i>orbicularis</i> (A.B. Craig 428)
247	<i>Sauropus</i> sp.	omitted
281	<i>Corymbia</i> <i>candida</i> subsp. <i>candida</i>	<i>Corymbia</i> <i>candida</i>
281	<i>Corymbia</i> <i>candida</i> subsp. <i>dipsodes</i>	<i>Corymbia</i> <i>candida</i>
281	<i>Corymbia</i> <i>deserticola</i>	<i>Corymbia</i> <i>deserticola</i> subsp. <i>deserticola</i>
281	<i>Corymbia</i> <i>opaca</i>	<i>Corymbia</i> <i>hamersleyana</i>
281	<i>Corymbia</i> sp.	omitted
281	<i>Eucalyptus</i> <i>leucophloia</i>	<i>Eucalyptus</i> <i>leucophloia</i> subsp. <i>leucophloia</i>
281	<i>Eucalyptus</i> sp.	omitted
281	<i>Eucalyptus</i> sp. (WPI, UCW1-30)	omitted
281	<i>Malleostemon</i> <i>hursthousi</i>	omitted
281	<i>Melaleuca</i> <i>lanceolata</i>	<i>Melaleuca</i> <i>xerophila</i>
299	<i>Alectryon</i> <i>oleifolius</i>	<i>Alectryon</i> <i>oleifolius</i> subsp. <i>oleifolius</i>
309	<i>Abutilon</i> aff. <i>dioicum</i>	<i>Abutilon</i> <i>dioicum</i>
309	<i>Abutilon</i> aff. <i>doicum</i> (HD72-14)	<i>Abutilon</i> aff. <i>dioicum</i> (HD72-14)
309	<i>Abutilon</i> aff. <i>fraseri</i> (1)	<i>Abutilon</i> <i>fraseri</i>
309	<i>Abutilon</i> aff. <i>fraseri</i> (site 1212)	<i>Abutilon</i> <i>fraseri</i>
309	<i>Abutilon</i> aff. <i>lepidium</i>	omitted
309	<i>Abutilon</i> aff. <i>lepidium</i> (Hilltops)	omitted
309	<i>Abutilon</i> aff. <i>lepidum</i> (1)	<i>Abutilon</i> aff. <i>lepidum</i> (1) (MET 15 352)
309	<i>Abutilon</i> aff. <i>lepidum</i> (4)	<i>Abutilon</i> <i>macrum</i>
309	<i>Abutilon</i> <i>otocarpum</i>	<i>Abutilon</i> <i>otocarpum</i> (acute leaf form)
309	<i>Abutilon</i> <i>oxycarpum</i>	<i>Abutilon</i> <i>oxycarpum</i> subsp. <i>prostratum</i>
309	<i>Abutilon</i> sp.	omitted
309	<i>Abutilon</i> sp. (inadequate material)	omitted
309	<i>Corchorus</i> aff. <i>lasiocarpus</i> subsp. <i>parvus</i>	<i>Corchorus</i> <i>lasiocarpus</i> subsp. <i>parvus</i>
309	<i>Corchorus</i> aff. <i>parviflorus</i> (JW011-11)	<i>Corchorus</i> aff. <i>parviflorus</i>
309	<i>Corchorus</i> aff. <i>walcottii</i>	omitted
309	<i>Corchorus</i> <i>incanus</i>	<i>Corchorus</i> <i>incanus</i> subsp. <i>incanus</i>
309	<i>Corchorus</i> <i>sidoides</i>	omitted
309	<i>Corchorus</i> sp.	omitted
309	<i>Corchorus</i> sp. (inadequate material)	omitted
309	<i>Corchorus</i> <i>trilocularis</i>	<i>Corchorus</i> <i>tridens</i>
309	<i>Gossypium</i> <i>australe</i>	<i>Gossypium</i> <i>australe</i> (Burrup Peninsula form)
309	<i>Hibiscus</i> aff. <i>coatesii</i>	omitted
309	<i>Hibiscus</i> aff. <i>sturtii</i>	omitted
309	<i>Hibiscus</i> sp.	omitted
309	<i>Hibiscus</i> sp. (inadequate material)	omitted
309	<i>Hibiscus</i> <i>sturtii</i>	<i>Hibiscus</i> <i>sturtii</i> var. <i>campylochlamys</i>
309	<i>Hibiscus</i> <i>sturtii</i> (Site 1209)	<i>Hibiscus</i> <i>sturtii</i> var. <i>campylochlamys</i>
309	<i>Hibiscus</i> <i>sturtii</i> var. aff. <i>grandiflorus</i>	<i>Hibiscus</i> <i>sturtii</i> var. <i>grandiflorus</i>
309	<i>Hibiscus</i> <i>sturtii</i> var. aff. <i>platychlamys</i>	omitted
309	<i>Hibiscus</i> <i>sturtii</i> var. <i>platychlamys</i> (MET 15067)	omitted
309	<i>Keraudrenia</i> ? <i>nephrosperma</i>	<i>Keraudrenia</i> <i>nephrosperma</i>
309	<i>Keraudrenia</i> sp.	<i>Keraudrenia</i> <i>velutina</i> subsp. <i>elliptica</i>
309	<i>Melhanian</i> sp.	omitted
309	<i>Melhanian</i> sp. Burrup	<i>Melhanian</i> sp. (Burrup)



	NAME	lookup
309	<i>Sida</i> ? <i>cardiophylla</i> (juvenile)	omitted
309	<i>Sida</i> ? <i>echinocarpa</i>	omitted
309	<i>Sida</i> ? <i>rohlena</i>	omitted
309	<i>Sida</i> aff. <i>cardiophylla</i>	omitted
309	<i>Sida</i> aff. <i>clementii</i>	omitted
309	<i>Sida</i> aff. <i>fibulifera</i>	omitted
309	<i>Sida</i> aff. <i>fibulifera</i> (FMG 125-20)	omitted
309	<i>Sida</i> aff. <i>pilbarensis</i> (EOB46-01B)	<i>Sida</i> aff. <i>pilbarensis</i> (EOB46-01B)
309	<i>Sida</i> aff. <i>spiciforme</i> panicles (FML46-13)	<i>Sida</i> sp. <i>spiciform</i> panicles (E. Leyland s.n. 14/8/90)
309	<i>Sida pilbarensis</i> (ferruginous form)	<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)
309	<i>Sida</i> sp.	omitted
309	<i>Sida</i> sp. (inadequate material)	omitted
309	<i>Sida</i> sp. (site 625)	<i>Sida</i> aff. <i>fibulifera</i> (FMG 125-20)
309	<i>Sida</i> sp. (WPI, CR16-27)	omitted
309	<i>Sida</i> sp. B Kimberley Flora (A.A. Mitchell 2745)	omitted
309	<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)
309	<i>Sida</i> sp. <i>Pilbara</i> (ferruginous form)	<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)
309	<i>Sida</i> sp. 'rugose'	<i>Sida</i> sp. <i>spiciform</i> panicles (E. Leyland s.n. 14/8/90)
309	<i>Sida</i> sp. Supplejack Station	<i>Sida</i> sp. Supplejack Station (T.S. Henshall 2345)
309	<i>Triumfetta</i> ? <i>centralis</i>	omitted
309	<i>Triumfetta</i> aff. <i>chaetocarpa</i>	omitted
309	<i>Triumfetta</i> <i>appendiculata</i> (Burrup Form)	<i>Triumfetta</i> <i>appendiculata</i>
309	<i>Triumfetta</i> <i>appendiculata</i> (Mardie form)	<i>Triumfetta</i> <i>appendiculata</i>
309	<i>Triumfetta</i> <i>appendiculata</i> (Red Hill form)	<i>Triumfetta</i> <i>appendiculata</i>
309	<i>Triumfetta</i> cf. <i>propinqua</i> (B13-13)	omitted
309	<i>Triumfetta</i> sp.	omitted
309	<i>Triumfetta</i> sp. (inadequate material)	omitted
330	<i>Cadaba</i> <i>capparoides</i>	omitted
330	<i>Capparis</i> <i>spinosa</i>	<i>Capparis</i> <i>spinosa</i> var. <i>nummularia</i>
331	<i>Cleome</i> <i>uncifera</i>	<i>Cleome</i> <i>uncifera</i> subsp. <i>uncifera</i>
332	<i>Lepidium</i> sp.	omitted
332	<i>Stenopetalum</i> sp.	omitted
338	? <i>Santalum</i> sp.	<i>Santalum</i> <i>lanceolatum</i>
338	<i>Santalum</i> sp.	<i>Santalum</i> <i>lanceolatum</i>
339	<i>Amyema</i> sp.	omitted
355	<i>Polycarpaea</i> <i>corymbosa</i>	<i>Polycarpaea</i> <i>corymbosa</i> var. <i>corymbosa</i>
355	<i>Polycarpaea</i> <i>longiflora</i> (pale form)	<i>Polycarpaea</i> <i>longiflora</i>
355	<i>Polycarpaea</i> <i>longiflora</i> (red form)	<i>Polycarpaea</i> <i>longiflora</i>
355	<i>Polycarpaea</i> <i>longiflora</i> (White form, M13-7)	<i>Polycarpaea</i> <i>longiflora</i>
355	<i>Polycarpaea</i> sp.	omitted
357	? <i>Gomphrena</i> sp.	omitted
357	<i>Alternanthera</i> sp. (inadequate material)	omitted
357	<i>Amaranthus</i> ? <i>interruptus</i>	<i>Amaranthus</i> <i>interruptus</i>
357	<i>Amaranthus</i> cf. <i>pallidiflorus</i> (1)	omitted
357	<i>Amaranthus</i> sp.	omitted
357	<i>Amaranthus</i> sp. (inadequate material)	omitted
357	<i>Gomphrena</i> <i>canescens</i>	<i>Gomphrena</i> <i>canescens</i> subsp. <i>canescens</i>
357	<i>Gomphrena</i> sp.	omitted
357	<i>Gomphrena</i> sp. (inadequate material)	omitted
357	<i>Ptilotus</i> aff. <i>obovatus</i>	<i>Ptilotus</i> <i>obovatus</i>
357	<i>Ptilotus</i> <i>exaltatus</i>	<i>Ptilotus</i> <i>exaltatus</i> var. <i>exaltatus</i>
357	<i>Ptilotus</i> <i>gomphrenoides</i>	<i>Ptilotus</i> <i>gomphrenoides</i> var. <i>gomphrenoides</i>
357	<i>Ptilotus</i> <i>obovatus</i> var. <i>obovatus</i>	<i>Ptilotus</i> <i>obovatus</i>
357	<i>Ptilotus</i> <i>schwartzii</i>	<i>Ptilotus</i> <i>schwartzii</i> var. <i>schwartzii</i>
357	<i>Ptilotus</i> sp.	omitted
357	<i>Ptilotus</i> sp. (inadequate material)	omitted
357	<i>Ptilotus</i> sp. (WPI, CP50-23)	omitted

	NAME	lookup
358	<i>Atriplex</i> sp.	omitted
358	<i>Chenopodium</i> ? <i>gaudichaudianum</i>	omitted
358	<i>Dysphania</i> <i>rhadinostachya</i>	<i>Dysphania</i> <i>rhadinostachya</i> subsp. <i>rhadinostachya</i>
358	<i>Dysphania</i> <i>rhadinostachya</i> subsp. <i>inflata</i>	<i>Dysphania</i> <i>rhadinostachya</i> subsp. <i>rhadinostachya</i>
358	<i>Dysphania</i> sp.	omitted
358	<i>Enchylaena</i> <i>tomentosa</i>	<i>Enchylaena</i> <i>tomentosa</i> var. <i>tomentosa</i>
358	<i>Enchylaena</i> <i>tomentosa</i> x	omitted
358	<i>Enchylaena</i> <i>tomentosa</i> x <i>Maireana</i> <i>georgei</i>	omitted
358	<i>Halosarcia</i> ? <i>halocnemoides</i> subsp. <i>tenuis</i>	<i>Tecticornia</i> <i>halocnemoides</i>
358	<i>Halosarcia</i> ? <i>pergranulata</i>	<i>Tecticornia</i> <i>pergranulata</i> subsp. <i>elongata</i>
358	<i>Halosarcia</i> ? <i>pterygosperma</i>	<i>Tecticornia</i> <i>pterygosperma</i> subsp. <i>denticulata</i>
358	<i>Halosarcia</i> sp.	omitted
358	<i>Maireana</i> aff. <i>georgei</i>	<i>Maireana</i> <i>georgei</i>
358	<i>Maireana</i> aff. <i>luehmannii</i>	<i>Maireana</i> <i>luehmannii</i>
358	<i>Maireana</i> <i>planifolia</i> x	<i>Maireana</i> <i>planifolia</i> x <i>villosa</i>
358	<i>Maireana</i> sp.	omitted
358	<i>Maireana</i> <i>tomentosa</i>	<i>Maireana</i> <i>tomentosa</i> subsp. <i>tomentosa</i>
358	<i>Salsola</i> <i>kali</i>	<i>Salsola</i> <i>tragus</i>
358	<i>Salsola</i> <i>tragus</i> subsp. <i>grandiflora</i>	<i>Salsola</i> <i>tragus</i>
358	<i>Salsola</i> <i>tragus</i> subsp. <i>tragus</i>	<i>Salsola</i> <i>tragus</i>
358	<i>Sclerolaena</i> aff. <i>densiflora</i>	<i>Sclerolaena</i> <i>densiflora</i>
358	<i>Sclerolaena</i> <i>bicornis</i>	<i>Sclerolaena</i> <i>bicornis</i> var. <i>bicornis</i>
358	<i>Sclerolaena</i> <i>deserticola</i>	<i>Sclerolaena</i> <i>densiflora</i>
358	<i>Sclerolaena</i> sp.	omitted
358	<i>Sclerolaena</i> sp. (inadequate material)	omitted
358	<i>Tecticornia</i> <i>halocnemoides</i> subsp. <i>catenulata</i>	<i>Tecticornia</i> <i>halocnemoides</i>
358	<i>Tecticornia</i> <i>halocnemoides</i> subsp. <i>tenuis</i>	<i>Tecticornia</i> <i>halocnemoides</i>
358	<i>Tecticornia</i> <i>pergranulata</i>	<i>Tecticornia</i> <i>pergranulata</i> subsp. <i>elongata</i>
364	<i>Trianthema</i> sp.	omitted
364	<i>Zaleya</i> <i>galericulata</i> subsp. <i>galericulata</i>	<i>Zaleya</i> <i>galericulata</i>
367	<i>Boerhavia</i> aff. <i>coccinea</i>	<i>Boerhavia</i> <i>coccinea</i>
367	<i>Boerhavia</i> <i>coccinea</i> (form B)	<i>Boerhavia</i> <i>coccinea</i>
367	<i>Boerhavia</i> sp.	<i>Boerhavia</i> <i>coccinea</i>
367	<i>Boerhavia</i> sp. (B82-6)	<i>Boerhavia</i> <i>coccinea</i>
367	<i>Boerhavia</i> type 1	<i>Boerhavia</i> <i>coccinea</i>
367	<i>Boerhavia</i> type 2	<i>Boerhavia</i> <i>coccinea</i>
374	<i>Calandrinia</i> ? <i>quadrivalvis</i>	<i>Calandrinia</i> <i>quadrivalvis</i>
374	<i>Calandrinia</i> ? <i>stagnensis</i>	<i>Calandrinia</i> <i>stagnensis</i>
374	<i>Calandrinia</i> sp.	omitted
374	<i>Portulaca</i> <i>cyclophylla</i>	<i>Portulaca</i> <i>conspicua</i>
374	<i>Portulaca</i> sp.	omitted
374	<i>Portulaca</i> sp. (inadequate material)	omitted
409	<i>Oldenlandia</i> sp.	omitted
409	<i>Synaptantha</i> <i>tillaeacea</i>	<i>Synaptantha</i> <i>tillaeacea</i> var. <i>tillaeacea</i>
410	<i>Centaurium</i> <i>spicatum</i>	<i>Centaurium</i> <i>clementii</i>
413	<i>Sarcostemma</i> <i>viminale</i>	<i>Sarcostemma</i> <i>viminale</i> subsp. <i>australe</i>
415	<i>Ehretia</i> ? sp. (B23-22)	<i>Ehretia</i> <i>saligna</i> var. <i>saligna</i>
415	<i>Heliotropium</i> ? <i>conocarpum</i>	<i>Heliotropium</i> <i>conocarpum</i>
415	<i>Heliotropium</i> ? <i>cunninghamii</i>	<i>Heliotropium</i> <i>cunninghamii</i>
415	<i>Heliotropium</i> ? <i>foliatum</i>	<i>Heliotropium</i> <i>pachyphyllum</i>
415	<i>Heliotropium</i> ? <i>pachyphyllum</i>	<i>Heliotropium</i> <i>pachyphyllum</i>
415	<i>Heliotropium</i> sp.	omitted
415	<i>Heliotropium</i> sp. (inadequate material)	omitted
415	<i>Trichodesma</i> <i>zeylanicum</i>	<i>Trichodesma</i> <i>zeylanicum</i> var. <i>zeylanicum</i>
416	<i>Bonamia</i> <i>erecta</i>	<i>Bonamia</i> <i>rosea</i>
416	<i>Bonamia</i> <i>media</i>	omitted
416	<i>Bonamia</i> <i>media</i> var. <i>villosa</i>	<i>Bonamia</i> sp. <i>Dampier</i> (A.A. Mitchell PRP 217)
416	<i>Bonamia</i> sp.	omitted

	NAME	lookup
416	Bonamia sp. (inadequate material)	omitted
416	Convolvulus ? clementii	Convolvulus angustissimus subsp. angustissimus
416	Convolvulus ? remotus	Convolvulus angustissimus subsp. angustissimus
416	Convolvulus sp.	omitted
416	Duppereya commixta	Duperreya commixta
416	Ipomoea sp.	omitted
416	Polymeria ? lanata	Polymeria lanata
416	Polymeria aff. ambigua	omitted
416	Polymeria aff. ambigua (MET 12302)	Polymeria aff. ambigua (MET 12, 302)
416	Polymeria ambigua/calycina	Polymeria aff. ambigua (PAN 26B-20)
416	Polymeria sp.	omitted
417	Nicotiana sp.	omitted
417	Nicotiana sp. (inadequate material)	omitted
417	Solanum aff. gabriellae	Solanum gabriellae
417	Solanum aff. phlomoides	Solanum phlomoides
417	Solanum sp.	omitted
417	Solanum sp. (inadequate material)	omitted
417	Solanum sturtianum (boolgeeda)	Solanum sturtianum
427	Stemodia sp.	Stemodia grossa
427	Stemodia sp. (inadequate material)	Stemodia grossa
428	Eremophila forrestii	Eremophila forrestii subsp. forrestii
428	Eremophila forrestii x latrobei	omitted
428	Eremophila fraseri subsp. parva	Eremophila fraseri subsp. fraseri
428	Eremophila glabra	omitted
428	Eremophila latrobei	omitted
428	Eremophila longifolia variant	Eremophila longifolia
428	Eremophila sp.	omitted
428	Eremophila sp. 1 (poor specimen)	omitted
428	Eremophila sp. 2 (sterile)	omitted
428	Eremophila youngii x latrobei	omitted
431	Josephinia eugeniae	Josephinia sp. Marandoo (M.E. Trudgen 1554)
431	Josephinia sp.	Josephinia sp. Marandoo (M.E. Trudgen 1554)
432	Clerodendrum sp.	Clerodendrum floribundum var. angustifolium
432	Clerodendrum tomentosum	Clerodendrum tomentosum var. lanceolatum
433	Peplidium sp.	Peplidium sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)
437	Rostellularia adscendens var. latifolia	Rostellularia adscendens var. clementii
450	Lobelia arnhemiaca	Lobelia heterophylla
450	Wahlenbergia queenslandica	Wahlenbergia tumidifructa
450	Wahlenbergia sp.	Wahlenbergia tumidifructa
458	Goodenia aff. cusackiana	Goodenia cusackiana
458	Goodenia aff. microptera	Goodenia microptera
458	Goodenia aff. muelleriana	Goodenia muelleriana
458	Goodenia sp.	omitted
458	Goodenia sp. (inadequate material)	omitted
458	Goodenia sp. (site 1205)	omitted
458	Goodenia sp. (site 92)	omitted
458	Scaevola parvifolia subsp. parvifolia	Scaevola parvifolia
458	Scaevola parvifolia subsp. pilbarae	Scaevola parvifolia
458	Scaevola sp.	omitted
458	Scaevola spinescens	Scaevola spinescens (broad form)
460	? Ixiolaena sp.	omitted
460	Brachyscome sp.	omitted
460	Calotis multicaulis	Calotis plumulifera
460	Centipeda minima	Centipeda minima subsp. macrocephala
460	Chrysocephalum apiculatum	Chrysocephalum aff. apiculatum
460	Chrysocephalum sp.	omitted
460	Flaveria sp.	omitted

	NAME	lookup
460	Flaveria sp. Tom Price (M.E. Trudgen 11246)	Flaveria australasica subsp. gilgai
460	Lactuca saligna	Lactuca serriola
460	Pentalepis aff. trichodesmoides (M.E.Trudgen 15,170)	Pentalepis trichodesmoides
460	Pluchea sp.	omitted
460	Pluchea sp. B Kimberley Flora (K.F. Kenneally 9526A)	omitted
460	Pterocaulon ? sphaeranthoides x sphacelatum	Pterocaulon sphaeranthoides
460	Pterocaulon sp.	omitted
460	Pterocaulon sp. (inadequate material)	omitted
460	Pterocaulon sphaeranthoides x sphacelatum	Pterocaulon sphacelatum
460	Rutidosia helichrysoidea	Rutidosia helichrysoidea subsp. helichrysoidea
460	Senecio spanomerus	omitted
460	Streptoglossa sp.	omitted
460	Streptoglossa sp. (inadequate material)	omitted
460	Vittadinia sp.	omitted
460	Vittadinia sp. (HD268)	omitted
472	Trachymene aff. oleracea (B61)	Trachymene oleracea subsp. oleracea
472	Trachymene oleracea	Trachymene oleracea subsp. oleracea
474	Genus sp.	omitted



### Appendix 2 Dendrogram of Classification of NYI sites

N and R on left of site indicates presence in NYI or NYI rail projects.

site	no	gp600	gp025	gp050	gp100	gp200	data													
							0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000				
N A001	12	314	1	1	1	1														
N B067	23	188	1	1	1	2														
R A118	19	254	1	1	1	3														
N B001	8	529?	1	1	2	4														
N B064	9	528?	1	1	2	4														
N B063	14	196	1	1	2	5														
N A008	26	569?	1	2	3	6														
N B069	21	528	1	2	3	6														
N B070	14	529	1	2	3	7														
N B071	24	282	1	2	3	7														
N A012	33	381	1	2	3	8														
N C042	29	383	1	2	3	8														
N B062	39	380	1	2	3	8														
N B072	39	383	1	2	3	8														
N B003	16	528	1	2	4	9														
N B078	22	569?	1	2	4	9														
N B004	22	380?	1	2	4	10														
N B077	15	528?	1	2	4	11														
N B080	8	249?	1	2	4	11														
R A089	34	127?	2	3	5	12														
R C082	42	160?	2	3	5	12														
R C093	39	128	2	3	5	13														
R A090	33	170	2	3	6	14														
R A106	46	144?	2	3	6	15														
R A095	50	143	2	3	7	16														
R B133	44	565	2	3	7	16														
R B131	48	139	2	3	7	17														
R B139	32	269	2	3	7	18														
R B130	33	54?	2	4	8	19														
R B135	24	527?	2	4	8	19														
R B140	34	269?	2	4	8	20														
R B143	29	71?	2	4	8	20														
R B141	51	163?	2	4	8	20														
R B142	28	162?	2	4	8	21														
R A093	44	20	2	5	9	22														
R A098	60	20	2	5	9	23														
R A100	51	565	2	5	9	23														
R A102	35	565	2	5	9	23														
R A096	43	20?	2	5	9	24														
R A097	36	269?	2	5	9	24														
R A103	40	267	2	5	9	25														
R A104	42	565?	2	5	9	25														
R C084	33	471?	2	5	10	26														
R C085	32	162	2	5	10	27														
R A094	15	56	3	6	11	28														
R C080	21	527	3	6	11	29														
R C081	14	43?	3	6	12	30														
R B137	23	249?	3	7	13	31														
R B138	23	48?	3	7	13	31														
R B149	25	528	3	7	13	32														
R B152	27	527?	3	7	14	33														
R C098	36	565?	3	7	14	34														
R A091	16	579?	4	8	15	35														
R B148	31	569	4	8	16	36														
R A107	45	565?	4	9	17	37														
R A119	35	310	4	9	17	38														
R A110	51	565	4	9	17	39														
R A112	54	565	4	9	17	39														
R A111	65	568	4	9	17	39														
R A113	34	567	4	9	17	40														
R A117	34	565?	4	9	18	41														
R A120	29	40	4	9	18	41														
R C095	43	575	4	9	19	42														
R A105	19	527	4	10	20	43														

site	no	gp600	gp025	gp050	gp100	gp200	data												
							0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000			
R A109	38	537	4	10	21	44													
R A092	30	48	4	11	22	45													
R A108	21	47	4	11	22	46													
R B181	21	365	4	11	22	47													
R B182	16	249	4	11	23	48													
R B144	35	20	4	12	24	49													
R B147	34	144	4	12	24	49													
R B178	25	247	4	12	24	49													
R C089	33	362	4	12	24	50													
R C092	33	564	4	12	24	50													
R C091	39	565	4	12	24	51													
R B179	30	139?	4	12	25	52													
R B180	33	276?	4	12	25	53													
R A116	38	310	4	13	26	54													
R A121	27	301?	4	13	26	55													
R C125	22	314	4	13	26	56													
R C124	20	194?	4	13	26	57													
R B132	17	259	4	13	27	58													
N A019	6	425??	5	14	28	59													
N A020	9	485??	5	14	29	60													
R B168	8	190??	6	15	30	61													
R B169	15	550?	6	15	30	62													
R A099	24	460?	7	16	31	63													
R A101	28	473?	7	16	31	63													
R C083	30	473?	7	17	32	64													
R C086	20	470	7	17	32	65													
N A047	31	575	8	18	33	66													
N A048	29	575	8	18	33	66													
N A053	30	575	8	18	33	66													
N B019	18	71?	8	18	33	67													
NR B020	18	155?	8	18	33	67													
N B085	20	384?	8	18	33	67													
N A070	24	384?	8	19	34	68													
NR B050	16	147?	8	19	35	69													
R A125	9	193?	8	20	36	70													
N B061	14	171?	8	20	37	71													
N B079	25	171?	8	20	37	71													
N B065	29	301	8	20	37	72													
R B129	29	148?	9	21	38	73													
R B145	28	148?	9	21	38	73													
R B164	33	547	9	21	38	74													
R B150	35	169	9	21	39	75													
R B134	50	138?	10	22	40	76													
R B136	39	128	10	22	40	76													
R C090	25	104?	10	22	40	77													
R C087	35	83?	10	23	41	78													
R C088	43	575?	10	23	41	79													
N A002	42	383	11	24	42	80													
N A003	29	383	11	24	42	80													
N C041	38	383	11	24	42	80													
N A007	31	383	11	24	42	80													
N A006	36	379	11	24	42	81													
N C039	32	577	11	24	42	81													
N C040	35	383	11	24	42	81													
N A004	31	379	11	24	42	82													
N A044	37	379	11	24	42	82													
N A045	34	383	11	24	42	82													
N A057	44	383	11	24	42	82													
N A054	30	567?	11	24	42	83													
N A056	36	379	11	24	42	83													
N A069	32	379	11	24	42	83													
R C110	27	383	11	24	43	84													
NR A040	23	383	11	25	44	85													
NR A041	32	383	11	25	44	85													
N A071	26	383	11	25	44	85													
NR A060	36	383	11	25	44	85													
NR A061	28	383	11	25	44	85													
NR A072	22	383	11	25	44	85													

site	no	gp600	gp025	gp050	gp100	gp200	data												
							0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000			
NR A059	30	383	11	25	44	86													
N A066	31	383	11	25	44	86													
NR B053	24	379	11	25	44	86													
N C019	29	383	11	25	44	86													
N A062	19	383	11	25	44	87													
N A063	18	386	11	25	44	87													
N C006	22	383	11	25	44	87													
N C045	27	383	11	25	44	87													
N A067	23	383	11	25	44	87													
R C107	24	383	11	25	44	87													
N C001	36	383	11	25	44	87													
N C002	40	383	11	25	44	87													
N C005	28	383	11	25	44	87													
N C044	42	383	11	25	44	87													
N A065	15	383	11	25	44	88													
N A005	21	383	11	26	45	89													
N A014	17	383	11	26	45	89													
N A058	24	383	11	26	45	89													
N B068	17	383?	11	26	45	89													
N A009	32	384	11	26	45	90													
N A015	26	384?	11	26	45	91													
N B047	29	384	11	26	45	92													
N B066	16	296?	11	26	46	93													
N A010	38	383	11	26	47	94													
N A011	35	383	11	26	47	94													
N B060	36	383	11	26	47	94													
N B075	14	147?	11	26	47	95													
N B002	32	79?	11	26	47	96													
N B073	27	384?	11	26	47	97													
N B076	41	384	11	26	47	97													
N A064	8	386?	12	27	48	98													
R B175	13	383?	12	27	48	98													
R B172	20	254?	12	27	48	98													
R B177	28	577?	12	27	49	99													
R B185	20	379?	12	27	49	99													
R A126	17	383	12	27	50	100													
R B171	15	383	12	27	50	100													
R C112	11	383?	12	27	50	101													
N B029	8	333?	12	27	51	102													
N B033	21	383	12	27	51	103													
R C117	15	385	12	27	51	103													
N B046	17	383	12	27	51	103													
N B049	11	383?	12	27	51	103													
N C014	21	385	13	28	52	104													
N C073	19	385	13	28	52	104													
N C072	17	385	13	28	52	104													
R C114	13	385	13	28	52	104													
R C118	17	385	13	28	52	104													
R C122	15	385	13	28	52	104													
R C119	16	385?	13	28	52	105													
NR C074	32	385	13	28	52	106													
N A013	13	147	14	29	53	107													
N C021	11	147?	14	29	53	107													
N B031	11	147?	14	29	53	107													
N C020	15	147	14	29	53	107													
N B017	11	393?	14	29	53	107													
NR B092	8	147	14	29	53	107													
N C011	17	258?	14	29	53	107													
NR A081	16	318?	14	29	53	107													
N B018	10	284?	14	29	53	107													
NR B041	13	147?	14	29	53	107													
N A055	15	427?	14	29	53	108													
N B036	10	254	14	29	53	108													
N A068	7	131	14	29	53	108													
N B037	6	131	14	29	53	108													
N B086	4	147?	14	29	53	108													
R A133	5	131	14	29	53	108													
N A016	9	148?	14	29	54	109													

site	no	gp600	gp025	gp050	gp100	gp200	data												
							0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000			
R A134	18	147	14	29	54	109													
R A130	3	147??	14	30	55	110													
N B021	4	131?	15	31	56	111													
N B022	4	131?	15	31	56	111													
NR B023	5	131?	15	31	56	111													
N B028	9	131?	15	31	56	111													
NR A017	12	148?	16	32	57	112													
N B081	13	273	16	32	57	113													
N B084	19	145?	16	32	58	114													
N B088	16	319?	16	32	58	114													
R A128	12	282?	16	32	59	115													
R A131	18	266?	16	32	59	115													
R A132	8	147?	16	32	59	116													
N C032	9	147?	16	32	59	116													
NR B048	11	273?	16	32	59	116													
NR B083	12	147	16	32	59	116													
R A129	21	424??	16	32	60	117													
NR C009	28	424?	16	32	60	118													
N C010	28	428?	16	32	60	118													
N C012	21	427?	16	32	60	118													
N C068	21	276?	16	32	60	118													
NR C070	22	427?	16	32	60	118													
NR C013	14	424??	16	32	60	118													
NR C071	35	424?	16	32	60	118													
N B032	12	131?	16	32	60	119													
N B090	13	273?	16	32	60	119													
N C026	27	575?	16	32	60	120													
N C027	22	425?	16	32	60	120													
NR B043	15	556?	16	32	60	121													
R C120	19	273	16	32	60	121													
NR B044	18	276	16	32	60	121													
NR B045	15	155?	16	32	60	121													
NR C069	22	147?	16	32	60	121													
R C121	10	147?	16	33	61	122													
N A039	25	141?	16	34	62	123													
NR A082	29	567?	16	34	62	123													
N A049	12	254??	16	34	62	124													
N B008	23	379	16	34	62	124													
N B015	26	552?	16	34	62	124													
NR C016	19	425	16	34	62	124													
N A051	16	427	16	34	63	125													
N B039	16	145	16	34	63	125													
NR B042	17	148?	16	34	63	125													
N B009	20	431?	16	34	63	126													
N B010	19	404?	16	34	63	126													
N B014	19	600?	16	34	63	126													
N B012	13	431?	16	34	63	126													
N B013	23	182?	16	34	63	126													
N B011	21	575?	16	34	63	126													
N B040	20	145?	16	34	63	126													
N A052	18	155?	16	34	63	127													
N A031	11	324?	17	35	64	128													
N B091	18	276	17	35	64	128													
N B030	8	284?	17	35	64	129													
N C064	17	273?	17	35	64	129													
N B082	20	379	17	35	64	129													
N C062	20	577	17	35	64	129													
N B074	22	379	17	35	64	130													
N B087	23	424?	17	35	64	130													
N B089	11	145?	17	35	64	130													
N B005	31	379?	17	35	65	131													
N B006	33	384	17	35	65	131													
N B007	32	384	17	35	65	131													
N B016	38	171?	17	35	65	131													
N B034	24	379	17	35	65	132													
N B035	43	379	17	35	65	132													
N C043	31	383	17	35	65	132													
N A034	10	319?	17	36	66	133													



	site	no	gp600	gp025	gp050	gp100	gp200	data											
								0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000		
NR A080	10	325?	17	36	66	134													
N A046	20	384	17	36	67	135													
N A050	22	123?	17	36	67	136													
N C065	16	145?	17	36	67	137													
N A018	22	425??	18	37	68	138													
N B024	25	508?	18	37	69	139													
N C049	27	425?	18	37	69	139													
N C050	37	425	18	37	69	139													
R B156	23	404??	18	37	69	139													
N B025	25	406?	18	37	69	140													
N C051	19	424??	18	37	69	141													
N A021	18	404?	18	38	70	142													
N B027	19	404?	18	38	70	143													
N B106	17	404?	18	38	70	143													
N B097	22	404?	18	38	70	143													
N B107	18	397?	18	38	70	143													
N B098	8	397?	18	38	70	144													
N B026	24	404?	18	38	71	145													
N B095	15	430??	18	38	71	146													
R C103	21	404	18	38	72	147													
R C104	14	242?	18	38	72	147													
N B055	15	425?	18	38	73	148													
N B056	19	404?	18	38	73	148													
N B057	13	414??	18	38	73	148													
N C017	26	404?	18	38	73	148													
N B094	20	424?	19	39	74	149													
N B099	25	430	19	39	74	149													
N B096	28	424	19	39	74	149													
N B101	28	425?	19	39	74	149													
N B102	25	430?	19	39	74	150													
N B103	25	430?	19	39	74	150													
N B108	25	430?	19	39	74	150													
N B104	23	430??	19	39	74	150													
N B105	24	430?	19	39	74	150													
N C025	59	435?	19	39	75	151													
N C052	35	425?	19	39	75	152													
N C057	35	430	19	39	75	152													
N C060	25	430	19	39	75	152													
N A022	24	425	20	40	76	153													
N A028	31	425?	20	40	76	153													
N A030	18	425?	20	40	76	153													
NR A079	15	276?	20	40	76	153													
N A032	20	145?	20	40	76	153													
N A033	29	427	20	40	76	154													
N A023	18	552?	20	40	77	155													
N A035	23	552?	20	40	77	155													
N A078	20	552?	20	40	77	155													
N A036	24	552	20	40	77	155													
N C035	39	433	20	40	77	156													
NR C066	23	425?	20	40	77	156													
N A025	19	425?	20	40	77	157													
N C059	19	425?	20	40	77	157													
N A073	14	425?	20	40	77	157													
N A024	34	404?	20	41	78	158													
N A026	29	425	20	41	78	158													
N B100	24	437?	20	41	79	159													
NR A042	32	552?	20	41	80	160													
NR A043	33	404?	20	41	80	160													
N A074	29	433?	20	41	80	161													
N A075	29	425	20	41	80	162													
N A076	35	430	20	41	80	162													
R A114	44	433?	21	42	81	163													
R A115	50	450	21	42	81	163													
R C094	37	456?	21	42	81	164													
R C096	36	450?	21	42	81	164													
R C097	41	450	21	42	81	164													
R B153	27	433?	21	42	82	165													
R B154	39	433?	21	42	82	165													

site	no	gp600	gp025	gp050	gp100	gp200	data												
							0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000			
R B155	27	404??	21	42	82	165													
R B157	27	398?	21	43	83	166													
R C100	36	427	21	43	83	167													
R C101	40	567	21	43	83	167													
R C099	22	398?	21	43	84	168													
N A029	28	404?	22	44	85	169													
N A037	44	435	22	44	85	169													
N A038	30	425?	22	44	85	169													
N A077	20	425?	22	44	85	169													
NR C022	38	427	22	44	85	170													
NR C067	49	426?	22	44	85	170													
N C034	50	426	22	44	85	170													
N C061	45	404?	22	44	85	170													
N C063	43	404	22	44	85	170													
N C048	52	404	22	44	85	170													
N C023	33	567?	22	44	85	170													
N C030	35	567	22	44	85	170													
N C033	33	425	22	44	85	170													
N C053	29	425?	22	44	85	170													
R B183	26	244?	22	45	86	171													
R C123	22	427?	22	45	86	171													
R C102	20	404?	22	45	86	172													
N C024	21	425	22	45	87	173													
N C056	19	398?	22	45	87	173													
N C055	15	425?	22	45	87	173													
N C029	21	425?	22	45	87	174													
N C054	29	425	22	45	87	174													
N C058	21	425?	22	45	87	174													
N C028	34	427	22	45	87	175													
N C031	20	425?	22	45	87	175													
N B038	31	379?	23	46	88	176													
R B151	38	568?	23	46	88	177													
N C003	41	577	23	46	89	178													
N C037	36	379	23	46	89	178													
N C007	55	379	23	46	89	178													
N C008	41	428	23	46	89	178													
N C047	46	428	23	46	89	178													
N C036	41	428	23	46	89	178													
N C038	43	423	23	46	89	178													
N C046	39	423	23	46	89	178													
N C004	38	577	23	46	89	178													
NR B109	30	428?	23	46	90	179													
N B124	34	427?	23	46	90	179													
NR B112	24	567?	23	46	90	179													
N B122	34	404	23	46	90	179													
NR B110	37	428?	23	46	90	180													
NR B111	27	404?	23	46	90	180													
N B116	41	404?	23	46	90	180													
N B113	29	425?	23	46	90	180													
N B114	32	404	23	46	90	180													
N B115	32	425	23	46	90	180													
N B125	33	427	23	46	90	180													
N B119	29	428	23	46	90	180													
N B120	30	428	23	46	90	180													
N B123	25	425?	23	46	90	180													
N B117	30	424?	23	46	90	181													
N B118	29	404?	23	46	90	181													
N B121	24	425	23	46	90	181													
NR B051	36	384?	23	47	91	182													
NR C015	24	265?	23	47	91	183													
NR C075	27	379?	23	47	91	183													
NR B052	39	577	23	47	91	184													
NR C018	53	577	23	47	91	184													
N B054	13	424?	23	47	92	185													
N B093	26	424?	23	47	92	186													
NR B058	28	424	23	47	92	187													
NR B059	29	141?	23	47	92	187													
R C111	20	577?	23	47	93	188													

site	no	gp600	gp025	gp050	gp100	gp200	data									
							0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000
R C115	13	427?	23	47	93	188										
R A122	24	427	24	48	94	189										
R A127	31	427	24	48	94	189										
R C116	30	577	24	48	94	189										
R C108	23	427	24	48	94	189										
R A124	25	427	24	48	94	190										
R C113	27	427	24	48	94	190										
R C105	20	577?	24	48	94	191										
R C106	20	577	24	48	94	191										
R C109	16	577?	24	48	94	191										
R A123	20	308	24	48	95	192										
R B173	32	577	24	48	95	193										
R B174	29	577	24	48	95	193										
R B176	18	556	24	48	95	193										
R B170	25	577?	24	48	96	194										
R B184	27	404?	24	48	96	195										
R B146	15	427?	24	49	97	196										
R B158	29	486?	25	50	98	197										
R B159	8	487??	25	50	99	198										
R B162	14	484??	25	50	99	198										
R B161	11	487?	25	50	99	198										
R B160	6	484?	25	50	99	198										
R B165	10	487?	25	50	99	198										
R B166	9	486?	25	50	99	198										
R B163	5	486??	25	50	100	199										
R B167	9	484??	25	50	100	200										
							0.0182	0.2162	0.4142	0.6121	0.8101	1.0081	1.2061	1.4040	1.6020	1.8000

### Appendix 3 Extract of Dendrogram of NYI sites with Regional Reference sites

Grey row indicate where rows have been deleted.

site	PROJ	spp	50	100	200	400	600	nmb	data	VEGETATION	HABITAT
									0.0000 0.2478 0.4956 0.7433 0.9911 1.2389 1.4867 1.7344 1.9822		
1232	WAMTROB	7	45	89	177	353	531			Acacia aff. catenulata. low closed forest.	Plain = site 1230.
INV018	EP00550AA	11	45	89	177	354	532			Tall Open Scrub of Acacia aff. aneura (narrow fine	flat plain
RAIL015	550AA	18	35	70	146	288	438			Tall Open Shrubland of Hakea lorea subsp. lorea to 5m	Valley floor, relatively flat, crabholes
CP510	WPI	12	14	38	79	148	226			Acacia xiphophylla scattered tall shrubs over A. bivenosa	Horseshoe flats
NYIC121	NYI	10						147		. Upper: 1000 cm, 5 %. Mid: 350 cm, 2 %. Lower: 100	Topography: flat ,
NYIA034	NYI	10						319		hummock grassland of trodia epacta with isolated shrubs .	Topography: flat ,
NYIA080	NYI	8						325?		open shrubland of acacia synchronicia over tussock	Topography: flat ,
NYIA046	NYI	19						384		hummock grassland of trodia epacta with isolated	Topography: flat ,
NYIA050	NYI	21						123		hummock grassland of triodia epacta with isolated acacia	Topography: flat ,
NYIC065	NYI	16						145		. Upper: 900 cm, 5 %. Mid: 400 cm, 10 %. Lower: 130	Topography: 743101,
0226	WAHAMSTN	21	36	71	148	292	443			Eucalyptus victrix scattered low trees over Acacia	Well defined flow line through plain,
H049	HDRAIL	11	36	71	148	292	444			Eucalyptus victrix scattered low trees over Acacia	Drainage area in clayey plain.
1197	WAMTROB	14	36	71	148	293	445			Eucalyptus victrix open forest over Eriachne flaccida and	Temporary pool at the end of a low
1199	WAMTROB	22	36	71	148	293	445			Eucalyptus victrix scattered low trees over Acacia aneura	Near edge of large claypan.
1204	WAMTROB	14	36	71	148	293	446			Eucalyptus victrix open woodland over Acacia	Plain.
DAMF20	339	15	32	65	137	270	411			Low open to closed heath of the halophytic species	Saline clay basin.
DAMF22	339	20	32	65	137	271	412			Open heath of Aeschynomene indica over a closed	Clay plain (cracking red clay, deep) at
1216	WAMTROB	6	36	71	149	294	447			Eucalyptus victrix, Acacia aneura var. longicarpa low	Very shallow depression in plain.
NYIA130	NYI	3						147		acacia citrinivirides over cenchrus ciliaris .. Upper: 600	Topography: ma/c,
A5 Track	FMG-2006	12	4	14	29	58	95				
NYIA019	NYI	5						425		tufted grassland of enneapogon polyphyllus with	Topography: slightly undulated small
NYIA020	NYI	8						485		shrubland of acacia synchronicia over tufted grassland of	Topography: mostly flat with some 1
NYIB168	NYI	8						190		melaluca. Upper: 0 cm, 0 %. Mid: 120 cm, 4 %. Lower:	Topography: flat,
NYIB169	NYI	15						550		low melaluca shrubs over triodia. Upper: 0 cm, 0 %. Mid:	Topography: flat,
9GtoP9Fa	FMG-2006	12	45	91	180	359	539			Acacia aneura and Acacia pruinocarpa Low Woodland	Westerly facing lower slope, gentle to
FMG98	2490	27	45	91	180	357	537			Eucalyptus leucophloia scattered low trees over Acacia	Plain
NYIA109	NYI	34						537		tall shrubland of acacia blue over petalastylis labechiodes	Topography: flat ,
FML52	2491	23	45	91	180	358	538			Eucalyptus leucophloia low open woodland over Acacia	Small to medium sized creek between
FML55	2491	25	45	91	180	358	538			Acacia ayersiana, A. paraneura low woodland over	Narrow irregular baseline between low
FML60	2491	15	22	48	105	206	316			Eucalyptus leucophloia scattered low trees over Acacia	Flowline along base of low hill / ridge
NYIB146	NYI	14						427		mulga. Upper: 1000 cm, 25 %. Mid: 0 cm, 0 %. Lower:	Topography: flat,
1064	WAFCBOR	15	34	68	143	283	432			Eucalyptus camaldulensis var. obtusa open woodland over	River bed.
FMR40	2491	31	34	68	143	283	432			Eucalyptus victrix open woodland over Acacia coriacea	creek bed; seasonal water flow
NYIA089	NYI	34						127		woodland victrix over open shrubland of acacia creek	Topography: ma/c,
NYIC082	NYI	41						160		. Upper: 600 cm, 1 %. Mid: 190 cm, 25 %. Lower: 35 cm,	Topography: mi/c,
NYIC093	NYI	38						128		. Upper: 900 cm, 15 %. Mid: 150 cm, 1 %. Lower: 50 cm,	Topography: ma/c, slope: 0
NYIC087	NYI	34						83		. Upper: 950 cm, 3 %. Mid: 250 cm, 5 %. Lower: 60 cm,	Topography: mi/c, slope: 0
NYIC088	NYI	43						575		. Upper: 800 cm, 3 %. Mid: 400 cm, 1 %. Lower: 60 cm,	Topography: mi/c, slope: 0
H211	HDRAIL	44	7	22	43	82	127			Cullen leucanthum closed scrub over Tephrosia rosea var.	Floodplain within broad river bed.
H213	HDRAIL	48	7	22	43	82	127			Eucalyptus camaldulensis open woodland over Acacia	Banks of multiple channel flowline,
NYIB134	NYI	48						138		. Upper: 0 cm, 0 %. Mid: 0 cm, 0 %. Lower: 0 cm, 0 %.	Topography: ma/c,
NYIB136	NYI	37						128		eucalyptus victrix over acacia citri long over acacia 1 vein	Topography: ma/c,
NYIC090	NYI	25						104		. Upper: 1100 cm, 15 %. Mid: 450 cm, 10 %. Lower: 90	Topography: mi/c m/s, slope: 0
FMG38	2490	41	45	93	185	366	547			Acacia sclerosperma, Melaleuca glomerata scattered	Stony plain
NYIB164	NYI	31						547		open acacia shrubland over triodia. Upper: 0 cm, 0 %.	Topography: flat,
FMG60	2490	23	45	93	185	367	548			Corchorus sidoides subsp. sidoides low shrubland over	Low rise on a broad plain.
NYIB129	NYI	28						148		acacia pruinocarpa over grass. Upper: 0 cm, 0 %. Mid:	Topography: hilltop,
NYIB145	NYI	27						148		acacia bivenosa field. Upper: 0 cm, 0 %. Mid: 150 cm, 80	Topography: mi/c,
4RAIL016	550AA	31	32	63	132	262	401			Tall Open Scrub of Acacia xiphophylla to 4m over	Very gently sloping south-west
FMG-KF	2490	32	32	63	132	262	401			Acacia xiphophylla open scrub over Senna spp. low open	Low rocky rises amongst cracking clays
NYIC099	NYI	22						398		. Upper: 600 cm, 10 %. Mid: 110 cm, 2 %. Lower: 30 cm,	Topography: flat ,



site	PROJ	spp	50	100	200	400	600	nmb	data	VEGETATION	HABITAT
									0.0000 0.2478 0.4956 0.7433 0.9911 1.2389 1.4867 1.7344 1.9822		
FMG20f	2490	13	38	76	156	311	472			Mixed herbland	Mildly sloping plain of crabholes in
NYIC083	NYI	26						473		?PEC cracking clay on hilltop . Upper: 0 cm, 0 % . Mid:	Topography: flat ,
NYIC086	NYI	19						470		. Upper: 0 cm, 0 % . Mid: 250 cm, 1 % . Lower: 60 cm, 30	Topography: flat ,
FMG59	2490	29	38	76	157	312	473			Vigna sp. Central (M.E. Trudgen 1626), Kennedia sp.	Clayey upland area (W-facing)
FMG71	2490	33	38	76	157	312	473			Astrebla pectinata, A. elymoides open tussock grassland	Cracking clay plain - gentle slope
H269	HDRAIL	28	38	76	157	312	473			Mosaic: Acacia victoriae scattered tall shrubs over	Cracking clay on low rise.
H284	HDRAIL	37	38	76	157	312	473			Sida aff. fibulifera scattered low shrubs over Aristida	Cracking clay.
H194	HDRAIL	28	38	76	157	312	474			Acacia victoriae high shrubland over Cassia oligophylla	Cracking clay on hill crest.
H230	HDRAIL	32	38	76	157	312	474			Acacia victoriae open shrubland over Cassia oligophylla	Cracking clay in broad valley.
H228	HDRAIL	34	38	76	157	312	474			Triodia wiseana mid-dense hummock grassland	Hill crest.
NYIA099	NYI	23						460		tussock grassland of eriacne ciliata and aristida	Topography: broad ridge , slope: 3,
NYIA101	NYI	27						473		tussock grassland of eriacne ciliata and aristida	Topography: broad ridge ,
0951	WAMTROB	17	10	29	57	109	169			Corymbia hamersleyana low open woodland over	Bed of a moderate sized creek.
9GtoP9Fj	FMG-2006	25	10	29	57	109	169			Corymbia ?hamersleyana scattered Low trees over	Small to moderate creek between low
NYIB150	NYI	33						169		mixed acacia shrubland over peas and grass. Upper: 800	Topography: floodplain,
H045	HDRAIL	25	8	26	53	99	155			Eucalyptus victrix scattered trees to open woodland over	Floodplain/flats of creek channels and
NYIA070	NYI	23						384?		shrubland of acacia pyrifolia and acacia tumida with	Topography: mic,
NYIB050	NYI	15						147		Cenchrus ciliaris grasslands with emergent corymbia	Topography: minor creekline, slope: 0-5
BOR117	WPI	27	8	25	51	97	151				Creekline
CP034	WPI	25	8	25	51	97	152			Acacia ancistrocarpa shrubland over Triodia epactia	Alluvial plain on edge of wide river
CP035	WPI	25	8	25	51	97	152			Corymbia hamersleyana low open woodland over Triodia	Alluvial flood plain
NYIA090	NYI	31						170		shrubland of acacia worms and acacia creek mini over	Topography: mi/c,
NYIA106	NYI	44						144		scattered corymbia hamersleyana over shrubland of	Topography: mi/c,
UCW001	WPI	31	8	24	49	93	144			Corymbia hamersleyana and Eucalyptus sp. (WPI,	Major creekline in undulating hills
FMG16	2490	19	40	81	164	323	487			Halosarcia indica subsp. leiostachya, H. halocnemoides	Drainage flats - Fortescue valley
NYIB158	NYI	28						486		triodia and halosarcia. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB159	NYI	8						487		halosarcia heath. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB162	NYI	14						484		halosarcia heath. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB161	NYI	11						487		halosarcia heath. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB160	NYI	6						484		halosarcia heath. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB165	NYI	10						487		halosarcia heath. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB166	NYI	9						486		halosarcia heath. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB163	NYI	5						486		halosarcia heath. Upper: 0 cm, 0 % . Mid: 0 cm, 0 % .	Topography: flat,
NYIB167	NYI	9						484		halosarcia and pink saltbush heath. Upper: 0 cm, 0 % .	Topography: flat,
1065	WAFBOR	31	21	46	99	189	287			Eucalyptus leucophloia. Corymbia hamersleyana,	Long low ridge/spur of cemented
7RAIL048	550AA	37	21	46	99	189	287			Open Woodland of Corymbia hamersleyana to 5m over	Valley floor, relatively flat
NYIB132	NYI	17						259		triodia wooly grassland with emergent acacia unequal and	Topography: undulating low hills,
0150	WAFORSLO	7	13	33	66	123	188			Triodia pungens hummock grassland.	Sloping top of a low hill.
0345	WAMTHER	6	13	33	66	123	188			Eucalyptus leucophloia scattered low trees over Triodia	Upper slope.
0509	WAMTLEA	12	13	33	66	123	188			Eucalyptus leucophloia scattered low trees over Triodia	Low rise.
HR009	WPI	10	13	33	66	123	188			Corymbia candida ssp. candida low open woodland over	Drainage line
1226	WAMTROB	8	13	34	68	128	196			Eucalyptus leucophloia low woodland over Cassia	Moderate slope below site 1224, north
NYIB063	NYI	14						196		Triodia basedowii with emergent shrubs and Euc	Topography: hillside, slope: 5 to 15
NYIB067	NYI	22						188		Triodia schinzii with emergent Acacias and H. lorea.	Topography: hillside, slope: 15 to 25,
0576A	WAGEORIV	12	13	35	71	136	207			Corymbia hamersleyana scattered low trees over Acacia	Gentle south-east trending lower slopes.
0576B	WAGEORIV	8	13	35	71	136	207			Acacia maitlandii open shrubland over Triodia pungens	Upper slopes.
NYIB149	NYI	23						528		. Upper: 0 cm, 0 % . Mid: 250 cm, 1 % . Lower: 50 cm, 15	Topography: slope, slope: gentle, west
BUN56	378	26	1	4	13	29	48			Corymbia hamerslyana scattered low trees over Acacia	Very gentle west facing slope of low
BUN-MX	378	21	1	4	13	29	48			Corymbia hamersleyana scattered low trees / Acacia	Gently sloping (north aspect) lower
BUN63	378	19	1	4	13	29	48			Cassia prunocarpa, Acacia inaequilatera scattered tall	Crest and upper slopes of a low ridge.
1095	WAHAMPAR	21	1	2	5	12	21			Acacia ancistrocarpa high to open shrubland over Triodia	Upper slope, adjacent to cracking clay
TC012	WPI	29	1	2	5	12	21			Acacia arida and Senna glutinosa ssp. pruinosa open	Slope of low hill/ degraded mesa
CP023	WPI	30	1	2	5	12	21			Acacia bivenosa and Petalostylis labicheoides open	Southeast upper slope of a small hill

site	PROJ	spp	50	100	200	400	600	nmb	data	VEGETATION	HABITAT
									0.0000 0.2478 0.4956 0.7433 0.9911 1.2389 1.4867 1.7344 1.9822		
NYIA092	NYI	28						48		isolated trees of corymbia hammersleyana over scattered	Topography: rolling plain , slope: 3, east
8RAIL093	550AA	14	44	88	175	349	526			Scattered Low Trees of Corymbia deserticola subsp.	Gently sloping up to the south to a small
NYIA001	NYI	12						314		Hummock Grassland of Triodia Briz with Acacia	Topography: Upper Slope, slope: 5,
0489	WAMTLEA	8	20	45	96	183	277			Acacia hilliana low open shrubland over Plectrachne sp.	Flat topped hill.
KR002	550AA	10	20	45	96	183	277			Scattered Low Trees of Corymbia hamersleyana to 2.5m	Hillslope, gently sloping eastward
NYIA105	NYI	18						527		hummock grassland of triodia wiseana with scaevola	Topography: ridge , slope: 2, north west
P9track2	FMG-2006	12	20	45	98	188	286				
FMG113	2491	38	29	59	124	247	381			Grevillea wickhamii, Hakea chordophylla scattered tall	Gently sloping, NW-facing colluvial
NYIA012	NYI	33						381		hummock grassland of triodia epactia and triodia briz with	Topography: low rise , slope: 1, north
NYIC042	NYI	29						383		.	Topography: lower slope, slope: >5, east
NYIB062	NYI	38						380		E leucophloia over Triodia basedowii on a hilltop.	Topography: flat, at the base of the hill,
NYIB072	NYI	38						383		A elachantha and Grevillea wickhamii over Cenchrus and	Topography: flat,
NYIA008	NYI	26						569?		hummock grassland of triodia briz with emergent grevillia	Topography: Lower slope,
NYIB069	NYI	21						528		triodia grasslands with emergent grevillia wickhamii and E	Topography: lower slope, slope: 0 to 5,
NYIB070	NYI	14						529		grevilla wickhamii over Triodia epactia and Triodia	Topography: lower slope of a bif hill,
NYIB071	NYI	24						282		mixed shrubs over triodia and mixed herbs.	Topography: flat with some creeklines
NYIB001	NYI	8						529		open shrubland of acacia tumida over hummock grassland	Topography: lower slope, slope: 5-15
NYIB064	NYI	9						528		Grev. Wickhamii, A. ancistrocarpa and Gossypium	Topography: hillside, slope: 5 to 15,
NYIB077	NYI	15						528		triodia basedowii grasslands with Dampiera candicans and	Topography: lower, slope: 0 to 5, slope
NYIB080	NYI	8						249		triodia epactia grasslands with emergent mixed acacias	Topography: mid slope bifhills, slope: 5
NYIB003	NYI	16						528		grevilla wick over mixed shrubs and triodia.	Topography: upperslope, slope: gentle
NYIB078	NYI	22						569		triodia epactia grasslands with A elachantha and mixed	Topography: mid slope bif hill, slope: 5
NYIB004	NYI	22						380		Corymbia hamersleyana over acacia and Acacia	Topography: lower slope , slope: gentle
6RAIL007	550AA	24	21	46	100	193	294			Low Open Woodland of EUC LEUCO to 5m over	Hilltop and slopes, facing the west
NYIA118	NYI	19						254		isolated trees of corymbia deserticola and eucalyptus	Topography: u/s, slope: 5, south east
ZION021	EP00550AA	14	21	46	100	193	294			Low Open Woodland of Eucalyptus leucophloia subsp.	Undulating small hills - Sloping up to
BRO-MA	271	17	13	34	69	130	200			Acacia maitlandii (Acacia atkinsiana, Acacia	Crest of tall stony hill
BRO-MB	271	18	13	34	69	130	200			Acacia atkinsiana shrubland over Triodia wiseana mid-	Crest of tall stony hill
BRO-ML	271	20	13	34	69	130	200			Acacia pruinocarpa tall open shrubland over Acacia	Low stony hill
NYIA108	NYI	19						47		open woodland of eucalyptus leucophloia over hummock	Topography: lower slope , slope: 2,
NYIB181	NYI	21						365		open eucalypt woodland over acacia bivenosa over	Topography: undulating plains, slope:
NYIB182	NYI	16						249		acacia over triodia. Upper: 600 cm, 0.5 %. Mid: 200 cm, 4	Topography: undulating plains, slope:
1240	WAMTROB	24	42	85	170	338	509			Acacia aneura var. ?aneura/intermedia low open forest	Moderate slope on the crest of a spur
NYIA091	NYI	15						579		open shrubland of acacia pruinocarpa over dodonaea	Topography: ridge, slope: 1, north west
NYIB148	NYI	28						569		acacia aneura and pruinocarpa over symbopogon and	Topography: ridge/break-away, slope:
FMR57	2491	81	47	97	194	384	575			Eucalyptus victrix low open woodland over Grevillea	Creekline (Goman Creek)
FMR-MN	2491	64	47	97	194	384	575			Eucalyptus victrix low open woodland over Grevillea	Creekline
H257	HDRAIL	67	47	97	194	384	575			Eucalyptus victrix scattered low trees over Acacia	Flood plain adjacent to creek.
NYIC095	NYI	43						575		. Upper: 1000 cm, 10 %. Mid: 350 cm, 15 %. Lower: 50	Topography: flat ,
H055	HDRAIL	43	47	97	195	386	577			Acacia aneura, A. pruinocarpa closed scrub over	Sandy plain
H244	HDRAIL	47	47	97	195	385	576			Acacia aneura low woodland over Acacia aneura, A.	Very gentle slope on gently undulating
H255	HDRAIL	48	47	97	195	385	576			Eucalyptus victrix scattered trees (none in plot) over	Creek bank.
NYIA122	NYI	22						427		open woodland of acacia aneura and acacia pruinocarpa	Topography: flat ,
NYIA127	NYI	29						427		open woodland of acacia pruinocarpa , acacia aneura and	Topography: flat ,
NYIC116	NYI	28						577		. Upper: 900 cm, 10 %. Mid: 200 cm, 5 %. Lower: 100	Topography: flat ,
NYIC108	NYI	22						427		. Upper: 600 cm, 3 %. Mid: 0 cm, 0 %. Lower: 100 cm, 5	Topography: flat ,
NYIA124	NYI	24						427		open woodland of acacia aneura and acacia pruinocarpa	Topography: flat ,
NYIC113	NYI	25						427		. Upper: 1200 cm, 4 %. Mid: 400 cm, 15 %. Lower: 50	Topography: flat ,
NYIC105	NYI	20						577		. Upper: 700 cm, 5 %. Mid: 250 cm, 15 %. Lower: 50 cm,	Topography: flat ,
NYIC106	NYI	19						577		. Upper: 600 cm, 2 %. Mid: 200 cm, 5 %. Lower: 100 cm,	Topography: flat ,
NYIC109	NYI	15						577?		. Upper: 600 cm, 5 %. Mid: 250 cm, 5 %. Lower: 100 cm,	Topography: flat ,
NYIC111	NYI	19						577		. Upper: 900 cm, 10 %. Mid: 200 cm, 5 %. Lower: 100	Topography: flat ,
NYIC115	NYI	13						427		. Upper: 900 cm, 2 %. Mid: 3550 cm, 3 %. Lower: 100	Topography: flat ,
NYIA123	NYI	19						308		. Upper: 600 cm	Topography: flat ,
NYIB173	NYI	30						577		triodia basedowii grassland with acacia. Upper: 0 cm, 0	Topography: flat,

site	PROJ	spp	50	100	200	400	600	nmb	data								VEGETATION	HABITAT
									0.0000	0.2478	0.4956	0.7433	0.9911	1.2389	1.4867	1.7344		
NYIB174	NYI	28						577									acacia aneura over mixed shrubs and triodia. Upper: 800	Topography: flat,
NYIB176	NYI	16						556									. Upper: 800 cm, 2 %. Mid: 130 cm, 1 %. Lower: 40 cm,	Topography: flat,
NYIB170	NYI	23						577									acacia aneura over triodia. Upper: 800 cm, 8 %. Mid: 200	Topography: ma/c,
NYIB184	NYI	26						404									acacia aneura over eremophylla over triodia. Upper: 1000	Topography: flat,
0392	WAMTLEA	18	1	3	11	24	40										Eucalyptus leucophloia low open woodland over Acacia	South facing slope of low hill/ridge.
NYIA117	NYI	31						565									scattered eucalyptus phloia over santalum lanceolatum over	Topography: mi/c, slope: 3, east
NYIA120	NYI	29						40									mixed acacia shrubland over triodia wiseana . . Upper:	Topography: mi/c, slope: 1, west
NYIA107	NYI	42						565									tall shrubland of acacia aneura over triodia pungens and	Topography: lower slope , slope: 3, east
NYIA119	NYI	31						310									open woodland of acacia aneura over sarcostemma	Topography: mid slope , slope: 5, east
NYIA110	NYI	48						565									mixed shrubland of acacias and malvaceae . Upper: 400	Topography: rolling plain , slope: 1,
NYIA112	NYI	51						565									open shrubland of grevillea wickhamii and acacia dull	Topography: lower slope , slope: 3,
NYIA111	NYI	61						568									tall shrubland of acacia incurvaneura over shrubland of	Topography: rolling plain , slope: 1,
NYIA113	NYI	33						567									woodland of acacia pruinocarpa and acacia xiphophylla	Topography: flat ,
NYIA116	NYI	36						310									low woodland of eucalyptus gamophylla over triodia	Topography: flat , slope: 1, east
NYIA121	NYI	26						301									mixed acacia shrubland over triodia wiseana . Upper: 0	Topography: flat ,
NYIC125	NYI	22						314									. Upper: 350 cm, 3 %. Mid: 200 cm, 5 %. Lower: 100 cm,	Topography: hillside , slope: 5-10 %,
NYIC124	NYI	20						194									. Upper: 0 cm, 0 %. Mid: 600 cm, 7 %. Lower: 100 cm, 25	Topography: side of hill , slope: <5%,
NYIB152	NYI	25						527									open corymbia woodland over mixed shrubs over triodia	Topography: mid slope, slope: 5-10
NYIC098	NYI	35						565									. Upper: 500 cm, 5 %. Mid: 200 cm, 2 %. Lower: 50 cm,	Topography: flat hilltop / plateau,
BRO02	271	42	47	96	191	377	565										Acacia inaequilatera, Acacia atkinsiana scattered tall	Mild colluvial footslope
BRO15	271	55	47	96	191	377	565										Eucalyptus leucophloia subsp. leucophloia, Corymbia	Crest of low stony hill
BRO29	271	40	47	96	191	377	565										Eucalyptus leucophloia subsp. leucophloia scattered low	Rocky upper hillslope (mild slope)
BRO30	271	54	47	96	191	377	565										Acacia atkinsiana, Acaacia exilis tall open shrubland over	Rocky undulating plain
BRO31	271	62	47	96	191	377	565										Eucalyptus leucophloia subsp. leucophloia, Corymbia	Shallow drainage line in broad
BRO36	271	52	47	96	191	377	565										Eucalyptus gamophylla, Codonocarpus cotinifolius	Plain
BRO41	271	65	47	96	191	377	565										Corymbia hamersleyana, Eucalyptus gamophylla low	Seasonally wet minor drainage line
BRO28	271	92	47	96	191	377	565										Acacia aff. aneura (narrow fine veined; site 1259) low	Broad alluvial plain
BRO47	271	76	47	96	191	377	565										Acacia stowardii, Acacia aff. aneura (narrow fine veined;	Crest of low stony rise
BRO42	271	53	47	96	191	377	565										Cassia pruinosa, Cassia luerssenii, Acacia bivenosa,	Base of rocky hillslope
BRO12	271	71	47	96	191	377	565										Eucalyptus leucophloia subsp. leucophloia low woodland	Rocky creekline
BRO-MC	271	51	47	96	191	377	565										Eucalyptus leucophloia subsp. leucophloia, Eucalyptus	Rocky gorge
FML13	2491	60	47	96	193	380	570										Grevillea wickhamii tall open scrub over Acacia	Creek in stony footslopes
FML34	2491	52	47	96	193	380	570										Acacia tumida closed heath	Minor drainage line heading downslope
FMN25	2491	55	47	96	193	380	570										Grevillea wickhamii, Acacia monticola open heath	Minor drainage line from small hills and
FML38	2491	36	47	96	193	380	569										Grevillea wickhamii tall shrubland over Senna glutinosa	Lower slope of low hill (S to SW)
FML61	2491	28	47	96	193	380	569										Eucalyptus leucophloia scattered trees over Grevillea	Mid and upper slope (NNE / NE facing)
FML42	2491	31	47	96	193	380	569										Acacia aneura, Hakea lorea subsp. lorea scattered tall	Moderate lower slope (S facing) of an
FML-RA	2491	32	47	96	193	380	569										Grevillea wickhamii, Acacia arida scattered shrubs over	Hillslope
P9L	FMG-2006	32	47	96	193	380	569										Acacia aneura var. intermedia Tall Shrubland over	Gentle slope easterly facing on side of
P9Q	FMG-2006	34	47	96	193	380	569										Acacia inaequilatera and Acacia tumida var. pilbarensis	Flat plain between low ranges, very
NYIA093	NYI	43						20									tussock grassland of aristida contorta and eriacne	Topography: low rise, slope: 1, south
NYIA098	NYI	59						20									open shrubland of acacia tetragonophylla over hummock	Topography: broad ridge , slope: 3,
NYIA100	NYI	49						565									isolated trees of corymbia hamersleyana over scattered	Topography: broad ridge , slope: 2,
NYIA102	NYI	33						565									hummock grassland of triodia wiseana and triodia	Topography: lower slope , slope: 15,
NYIA096	NYI	38						20									isolated acacia inequilatera over hummock grassland of	Topography: broad ridge ,
NYIA097	NYI	33						269?									isolated low shrubs over hummock grassland of triodia	Topography: ridge , slope: 10, east and
NYIA103	NYI	38						267									eucalyptus leucophloia over grevillia pyramidalis over	Topography: mid slope , slope: 5, south
NYIA104	NYI	38						565?									shrubland of acacia purifolia and acacia sericcophylla	Topography: broad ridge , slope: 1,
NYIC084	NYI	30						471									. Upper: 700 cm, 7 %. Mid: 200 cm, 2 %. Lower: 50 cm,	Topography: hillside , slope: 10-15 %,
NYIC085	NYI	31						162									. Upper: 0 cm, 0 %. Mid: 400 cm, 1 %. Lower: 40 cm, 50	Topography: hilltop ,
NYIA095	NYI	50						143									isolated corymbia hamersleyana over shrubland of	Topography: mi/c,
NYIB133	NYI	43						565									acacia bivenosa and ancistrocarpa over triodia. Upper: 0	Topography: lower slope, slope: vert
NYIB131	NYI	46						139									acacia ancistrocarpa and acacia pyriformis over triodia and	Topography: flowline/flat,
NYIB139	NYI	32						269									triodia wooly and pungens grassland with emergent acacia	Topography: undulating plains, slope:
NYIB144	NYI	35						20									mixed acacia over triodia. Upper: 0 cm, 0 %. Mid: 300	Topography: floodplain,
NYIB147	NYI	34						144									. Upper: 1500 cm, 2 %. Mid: 300 cm, 4 %. Lower: 100	Topography: ma/c,
NYIB178	NYI	24						247									acacia tumida shrubland (forest!). Upper: 0 cm, 0 %. Mid:	Topography: mi/c, slope: gentle, south
NYIC089	NYI	33						362									. Upper: 0 cm, 0 %. Mid: 100 cm, 0 %. Lower: 30 cm, 20	Topography: gentle slope , slope: <5%,
NYIC092	NYI	33						564									. Upper: 800 cm, 1 %. Mid: 110 cm, 35 %. Lower: 30 cm,	
NYIC091	NYI	36						565									. Upper: 1000 cm, 5 %. Mid: 150 cm, 10 %. Lower: 50	Topography: flat ,
NYIB179	NYI	28						139									acacia shrubland over triodia. Upper: 0 cm, 0 %. Mid: 130	Topography: flowline, slope: gentle,

site	PROJ	spp	50	100	200	400	600	nmb	data								VEGETATION	HABITAT	
									0.0000	0.2478	0.4956	0.7433	0.9911	1.2389	1.4867	1.7344			1.9822
NYIB180	NYI	30						276										mulga and eucalypt open woodland over acacia and	Topography: mi/c, slope: gentle, south
NYIB130	NYI	31						54										. Upper: 0 cm, 0 %. Mid: 400 cm, 1 %. Lower: 70 cm, 20	Topography: riverbed,
NYIB135	NYI	23						527										acacia pyrifolia over peas and triodia. Upper: 0 cm, 0 %.	Topography: mi/c, slope: mid slope <5
NYIB137	NYI	22						249										. Upper: 0 cm, 0 %. Mid: 300 cm, 2 %. Lower: 30 cm, 25	Topography: u/s, slope: steep, north
NYIB138	NYI	22						48										triodia grassland with mixed herbs and emergent acacia	Topography: u/s, slope: gentle, north
NYIB140	NYI	34						269										. Upper: 900 cm, 0.5 %. Mid: 250 cm, 1 %. Lower: 50 cm,	Topography: mi/c u/s, slope: steep,
NYIB143	NYI	29						71										. Upper: 0 cm, 0 %. Mid: 200 cm, 1 %. Lower: 60 cm, 15	Topography: mi/c, slope: gentle, south
NYIB141	NYI	50						163										eucalyptus victrix over acacia pyrifolia. Upper: 1500 cm,	Topography: ma/c,
NYIB142	NYI	27						162										triodia grassland with tephrosea, senna and acacia. Upper:	Topography: mi/c u/s, slope: steep,
NYIA094	NYI	12						56										scattered shrubs of acacia inequilatera and grevillia	Topography: u/s, slope: 5, north
NYIC080	NYI	20						527										spinifex with scattered shubland . Upper: 0 cm, 0 %. Mid:	Topography: lower slope , slope: 0.1,
NYIC081	NYI	13						43										. Upper: 400 cm, 0.5 %. Mid: 150 cm, 2 %. Lower: 50 cm,	Topography: lower slope , slope: 5-10
AD007	WPI	12	16	41	86	159	242											Acacia xiphophylla open shrubland over Senna stricta	Midslope of low rolling hills
NYIC103	NYI	21						404										. Upper: 450 cm, 1 %. Mid: 150 cm, 2 %. Lower: 50 cm,	Topography: flat ,
NYIC104	NYI	14						242										. Upper: 1000 cm, 5 %. Mid: 250 cm, 5 %. Lower: 100	Topography: flat ,
NYIA021	NYI	17						404										tall shrubland of acacia straight over maireana pyramid .	Topography: flat ,
NYIB027	NYI	19						404										eucalyptus victrix over acacia pruinocarpa over Cenchrus	Topography: flat,
NYIB106	NYI	17						404										low-lying claypan with sparse Acacia aptaneura and	Topography: flat,
NYIB097	NYI	22						404										Acacia xiphophylla over chenopods.	Topography: flat,
NYIB107	NYI	18						397										Acacia aptaneura over acacia tetragonopylla and	Topography: flat,
NYIB098	NYI	8						397										acacia tetragonopylla over grazed herbs and grasses	Topography: flat,
NYIB026	NYI	24						404										.	Topography: flat,
NYIB095	NYI	14						430										acacia tetragonopylla and A aptaneura over Cenchrus	Topography: flat,
FMG-BE	2490	32	34	67	141	279	424											Acacia aneura low open forest over Acacia synchronicia	Flat plain
NYIB054	NYI	13						424										A. synchronicia over Chenopods and some grasses.	Topography: flat,
NYIB093	NYI	25						424										Acacia aptaneura over acacia tetragonopylla and	Topography: flat,
NYIB058	NYI	28						424										A paraneura over Cenchrus. Upper: 700 cm, 8 %. Mid:	Topography: flat, slope: 0-5
NYIB059	NYI	28						141										grasslands with emergent acacias and corymbia	Topography: flat,
NYIB055	NYI	15						425										.	Topography: flat,
NYIB056	NYI	18						404										A. synchronicia over mixed chenopods and Cenchrus with	Topography: flat,
NYIB057	NYI	13						414										A aneura over A synchronicia over Triodia longiceps and	Topography: flat with some flowlines,
NYIC017	NYI	26						404										. Upper: 600 cm, 10 %. Mid: 300 cm, 5 %. Lower: 120	Topography: flat ,
NYIB183	NYI	24						244										acacia xiphophylla and aneura over grasses. Upper: 800	Topography: flat,
NYIC123	NYI	21						427										. Upper: 1000 cm, 15 %. Mid: 250 cm, 5 %. Lower: 100	Topography: flat ,
NYIC102	NYI	20						404??										. Upper: 850 cm, 15 %. Mid: 300 cm, 2 %. Lower: 80 cm,	Topography: flat ,
NYIC024	NYI	19						425										. Upper: 1000 cm, 35 %. Mid: 500 cm, 5 %. Lower: 130	Topography: flat ,
NYIC056	NYI	18						398										. Upper: 200-1000 cm, 20 %. Mid: 300 cm, 5 %. Lower:	Topography: flat ,
NYIC055	NYI	15						425										. Upper: 200-1200 cm, 40 % . , Logs: 0.5 % . Twigs: 0.5 % .	Topography: flat ,
NYIC029	NYI	20						425										. Upper: 700 cm, 15 %. Mid: 230 cm, 15 %. Lower: 150	Topography: flat ,
NYIC054	NYI	27						425										.	Topography: flat ,
NYIC058	NYI	19						425										.	Topography: flat ,
NYIC028	NYI	33						427										. Upper: 800 cm, 10 %. Mid: 500 cm, 5 %. Lower: 150	Topography: flat ,
NYIC031	NYI	19						425										.	Topography: flat ,
NYIA018	NYI	21						425??										shrubland of acacia synchronicia and acacia	Topography: flat ,
NYIB024	NYI	25						508										acacias over mixed shrubs and grass. Upper: 6 cm, 200 % .	Topography: flat,
NYIC049	NYI	27						425?										.	Topography: flat,
NYIC050	NYI	36						425										.	Topography: flat,
NYIB156	NYI	22						404										acacia aneura over mixed acacia over grass. Upper: 1500	Topography: flat,
NYIB025	NYI	24						406										acacia tingley and melaleuca clay pan over thick shrubss	Topography: clay pan,
NYIC051	NYI	18						424										. Upper: 500 cm, 7 %. Mid: 150 cm, 30 %. Lower: 70 cm,	Topography: flat,
NYIB094	NYI	19						424										clay pan mulga over berry tree and acacia tetragonopylla	Topography: flat with erosion holes,
NYIB099	NYI	25						430										mixed herb and grassland. Upper: 1000 cm, 2 %. Mid:	Topography: flat with eroded holes,
NYIB096	NYI	28						424										claypan depression with A synchronicia and Acacia	Topography: flat,
NYIB101	NYI	28						425										Acacia aptaneura over scaevola spinescens, A.	Topography: flat,
NYIB102	NYI	25						430										Acacia aptaneura over Cenchrus ciliaris and mixed herbs.	Topography: flat with eroded holes,
NYIB103	NYI	25						430										Acacia aptaneura over acacia tetragonopylla, Erem	Topography: flat with eroded holes,
NYIB108	NYI	25						430										triodia epactia grasslands with emergent Acacia	Topography: flat with eroded holes,
NYIB104	NYI	23						430??										Acacia aptaneura over acacia tetragonopylla over grasses	Topography: flat with eroded holes,
NYIB105	NYI	24						430										Acacia xiphophylla over scattered chenopods. Upper:	Topography: flat,
NYIC025	NYI	54						435										. Upper: 700 cm, 40 % .	Topography: flat ,
NYIC052	NYI	32						425										Mulga forrest over herbs. Upper: 1000 cm, 15 %. Mid:	Topography: flat,



site	PROJ	spp	50	100	200	400	600	nmb	data								VEGETATION	HABITAT
									0.0000	0.2478	0.4956	0.7433	0.9911	1.2389	1.4867	1.7344		
NYIC057	NYI	34						430									. Upper: 1000 cm, 5 %. Mid: 400 cm, 5 %. Lower: 80 cm,	Topography: lower slope, slope: >5, se
NYIC060	NYI	25						430									. Upper: 1000 cm, 60 %. Mid: 400 cm, 10 %. Lower: 100	Topography: flat ,
NYIA022	NYI	22						425									hummock grassland of triodia epacta with open shrubland	Topography: flat ,
NYIA028	NYI	31						425									mulga woodland over mixed tussock grassland. Upper:	Topography: flat ,
NYIA030	NYI	18						425									shrubland of acacia irrigate over hummock grassland of	Topography: flat ,
NYIA079	NYI	14						276?									tussock grassland of cenchrus ciliaris with open tall	Topography: flat ,
NYIA032	NYI	20						145									.	Topography: flat ,
NYIA033	NYI	26						427									. Upper: 700 cm, 1 %. Mid: 300 cm, 5 %. Lower: 70 cm,	Topography: flat ,
NYIA023	NYI	17						552?									herb land of goodenia and aristeda contorta .	Topography: flat ,
NYIA035	NYI	21						552									isolated acacia pruinocarpa over trodia epacta with	Topography: flat ,
NYIA078	NYI	19						552									isolated tussock of cenchrus ciliaris with isolated shrubs	Topography: flat ,
NYIA036	NYI	22						552									herbland of portulacha pilbara and salsola kali .	Topography: flat ,
NYIC035	NYI	38						433									.	Topography: flat ,
NYIC066	NYI	22						425									.	Topography: flat ,
NYIA025	NYI	19						425									.	Topography: flat ,
NYIC059	NYI	19						425									.	Topography: flat ,
NYIA073	NYI	13						425									herbland of goodenia obovate with acacia sincronicia and	Topography: flat ,
NYIA024	NYI	29						404?									acacia sincronicia over eriachne .	Topography: flat ,
NYIA026	NYI	26						425									tussock grassland of aristeda healthy with mulga fir .	Topography: flat ,
NYIB100	NYI	23						437									A aptaneura over A tetragonopylla, A xiphophylla and A	Topography: flat, floodplain,
NYIA042	NYI	32						552									mulga woodland over acacia synchronicia over	Topography: flat ,
NYIA043	NYI	31						404?									shrubland of acacia synchronicia over tufted grassland of	Topography: flat ,
NYIA074	NYI	27						433									mulga woodland over herbland of bidens bipinate . Upper:	Topography: flat ,
NYIA075	NYI	26						425									mulga open woodland over shrubland of acacia	Topography: flat ,
NYIA076	NYI	34						430									woodland of mulga fir over tussock grassland of	Topography: flat ,
NYIA114	NYI	41						433									open woodland of acacia xiphophylla over shrubland of	Topography: flat ,
NYIA115	NYI	48						450									woodland of acacia incurvaneura over tussock grassland	Topography: flat ,
NYIC094	NYI	36						456									. Upper: 650 cm, 10 %. Mid: 150 cm, 1 %. Lower: 50 cm,	Topography: flat ,
NYIC096	NYI	36						450									. Upper: 800 cm, 15 %. Mid: 200 cm, 1 %. Lower: 50 cm,	Topography: flat ,
NYIC097	NYI	41						450									. Upper: 800 cm, 20 %. Mid: 250 cm, 2 %. Lower: 50 cm,	Topography: flat ,
NYIB157	NYI	26						398									acacia aneura over mixed shrubs . Upper: 1800 cm, 4 %.	Topography: mi/c,
NYIC100	NYI	36						427									. Upper: 800 cm, 5 %. Mid: 300 cm, 3 %. Lower: 40 cm,	Topography: flat ,
NYIC101	NYI	38						567									. Upper: 800 cm, 10 %. Mid: 0 cm, 0 %. Lower: 50 cm, 20	Topography: flat ,
NYIB153	NYI	26						433?									acacia aneura woodland over sparse grasses. Upper: 1000	Topography: flat,
NYIB154	NYI	39						433									acacia aneura and xiphophylla over senna and grass.	Topography: flat,
NYIB155	NYI	27						404									acacia aneura over mixed herbs and grasses. Upper: 1500	Topography: flat,
NYIA029	NYI	27						404									mulga woodland and mulga 5mm over psydrax longifolia	Topography: flat ,
NYIA037	NYI	43						435									. Upper: 600 cm, 35 %. Mid: 200 cm, 5 %. Lower: 50 cm,	Topography: flat ,
NYIA038	NYI	30						425									woodland of mulga 5mm over tufted grassland of	Topography: flat ,
NYIA077	NYI	19						425									woodland of mulga fir over chrysopogon fallax . Upper:	Topography: flat ,
NYIC022	NYI	36						427									. Upper: 1000 cm, 30 %. Mid: 500 cm, 5 %. Lower: 140	Topography: flat ,
NYIC067	NYI	48						426									. Upper: 1000 cm, 40 %. Mid: 500 cm, 5 %. Lower: 120	Topography: flat ,
NYIC034	NYI	50						426									. Upper: 700 cm, 40 %.	Topography: flat ,
NYIC061	NYI	44						404?									. Upper: 800 cm, 35 % . , Logs: 2 % . Twigs: 4 % . Leaves:	Topography: flat ,
NYIC063	NYI	42						404									. Upper: 800 cm, 35 % . , Logs: 2 % . Twigs: 4 % . Leaves:	Topography: flat ,
NYIC048	NYI	51						404									Acacia, melaleuca scrub with eremophilas over buffle	Topography: flat,
NYIC023	NYI	32						567									. Upper: 1000 cm, 50 %. Mid: 350 cm, 5 %. Lower: 130	Topography: flat ,
NYIC030	NYI	33						567									. Upper: 800 cm, 40 %. Mid: 500 cm, 5 %. Lower: 160	Topography: flat ,
NYIC033	NYI	31						425									. Upper: 800 cm, 50 % . , Logs: 2 % . Twigs: 10 % . Leaves:	Topography: flat ,
NYIC053	NYI	27						425									. Upper: 1000 cm, 40 % . , Logs: 1 % . Twigs: 5 % . Leaves:	Topography: flat ,
NYIB038	NYI	31						379									mixed mulga over grass.	Topography: flat,
NYIB151	NYI	37						568									acacia aneura over mixed herbs abd triodia. Upper: 600	Topography: flat,
NYIC003	NYI	40						577									.	
NYIC037	NYI	36						379									.	Topography: flat ,
NYIC007	NYI	52						379									. Upper: 600 cm, 5 %. Mid: 300 cm, 5 %. Lower: 150 cm,	Topography: flat ,
NYIC008	NYI	40						428									. Upper: 700 cm, 10 %. Mid: 400 cm, 2 %. Lower: 120	Topography: flat ,
NYIC047	NYI	46						428									Low Mulga forrest over eremophila open low shrubland	Topography: flat,
NYIC036	NYI	41						428									.	Topography: flat ,
NYIC038	NYI	41						423									. Upper: 600 cm, 1 %. Mid: 250 cm, 10 %. Lower: 100	Topography: flat ,
NYIC046	NYI	38						423									Mulga scrub over Senna and Acacias over triodia .	Topography: flat,
NYIC004	NYI	38						577									.	
NYIB109	NYI	30						428									Acacia aptaneura over Chrysopogon fallax and mixed	Topography: flat,

site	PROJ	spp	50	100	200	400	600	nmb	data								VEGETATION	HABITAT
									0.0000	0.2478	0.4956	0.7433	0.9911	1.2389	1.4867	1.7344		
NYIB124	NYI	34						427?									Acacia aptaneura and Acacia pruinocarpa over Triodia	Topography: flar,
NYIB112	NYI	24						567									Acacia aptaneura over Eremophila latrobei and Triodia	Topography: flat,
NYIB122	NYI	32						404									Acacia aptaneura over Solanum lasiophyllum and mixed	Topography: flat,
NYIB110	NYI	36						428									Acacia aptaneura and A pruinocarpa over Triodia epactia	Topography: flat,
NYIB111	NYI	27						404									open acacia shrubland over triodia epactia. Upper: 600	Topography: flat,
NYIB116	NYI	40						404									low lying herb community with emergent acacia	Topography: flat,
NYIB113	NYI	28						425									Acacia aptaneura and Acacia pruinocarpa over mixed	Topography: flat,
NYIB114	NYI	32						404									.	Topography: flat,
NYIB115	NYI	32						425									Acacia aptaneura over Psydrax latifolia and mixed herbs.	Topography: flat, drainage channel,
NYIB125	NYI	33						427									. Upper: 700 cm, 6 % . , Logs: 0.4 % . Twigs: 2 % . Leaves:	Topography: flat,
NYIB119	NYI	29						428									Acacia aptaneura and Acacia pruinocarpa over herbs.	Topography: flat,
NYIB120	NYI	30						428									open mixed acacia shrubland over grazed grass. Upper:	Topography: flat,
NYIB123	NYI	25						425									Acacia aptaneura and Acacia pruinocarpa over Triodia	Topography: flat,
NYIB117	NYI	29						424									Acacia aptaneura over mixed herbs and Eragrostis	Topography: flat,
NYIB118	NYI	29						404									Acacia aptaneura and Acacia pruinocarpa over mixed	Topography: flat with erosion,
NYIB121	NYI	24						425									Acacia aptaneura and Acacia pruinocarpa over Triodia	Topography: flat,
NYIA013	NYI	12						147									grassland of eneapogon polyphyllus with isolated	Topography: flat ,
NYIC021	NYI	11						147									. Upper: 1000 cm, 5 % . Mid: 500 cm, 5 % . Lower: 100	Topography: flat ,
NYIB031	NYI	10						147									Mixed Acacias over grasses with emergent corymbia	Topography: flat,
NYIC020	NYI	15						147									. Upper: 700 cm, 5 % . Mid: 350 cm, 5 % . Lower: 80 cm,	Topography: flat ,
NYIB017	NYI	11						393									acacia hard tree and hakea lorea over caterpillar grass.	Topography: flowline, flat,
NYIB092	NYI	8						147									acacia and chenopod shrubland with emergent Santalum	Topography: flat, adjacent to creekline,
NYIC011	NYI	17						258									. Upper: 10 cm, 25 % . , Logs: 2 % . Twigs: 2 % . Leaves: 3	Topography: flat ,
NYIA081	NYI	16						318									open tall shrubland of acacia eyebrows and acacia	Topography: flat ,
NYIB018	NYI	9						284									eucalyptus victrix over few scrubs over Cenchrus setiger.	Topography: flowline, flat,
NYIB041	NYI	13						147?									A aneura and A. pruinocarpa over Cenchrus ciliaris.	Topography: flat, adjacent to creekline,
NYIA055	NYI	15						427?									open woodland of eucalyptus camaldulensis and corymbia	Topography: flat ,
NYIB036	NYI	10						254									E. victrix over A. citrinoviridis and A. pruinocarpa and	Topography: minor offset channel
NYIA068	NYI	7						131									tussock grassland of cenchrus ciliaris with woodland of	Topography: flat ,
NYIB037	NYI	6						131									A. aneura over Cenchrus setiger and herbs\, Upper: 1600	Topography: flat,
NYIB086	NYI	4						147									triodia longiceps grasslands with emergent Acacia	Topography: flat,
NYIA133	NYI	5						131									woodland of eucalyptus victrix and acacia citrinovirides	Topography: ma/c,
NYIA016	NYI	9						148									tufted grassland of eneapogon phlyphyllus with	Topography: flat ,
NYIA134	NYI	16						147									woodland of acacia aneura over open shrubland of acacia	Topography: flat ,
NYIB021	NYI	4						131									acacia tree over rough gras.	Topography: creekline, slope: 0, steep
NYIB022	NYI	4						131									eucalyptus victrix over acacia pruinocarpa over Cenchrus	Topography: flowline next to creekbed,
NYIB023	NYI	5						131									acacia tingley over mixed shrubss. Upper: 1700 cm, 4 %.	Topography: flowline,
NYIB028	NYI	9						131									Acacia pyrifolia var. pyrifolia over Triodia longiceps with	Topography: flowline, next to weely
NYIA017	NYI	10						148									grassland of Triodia. Upper: 700 cm, 2 % . Mid: 250 cm, 3	Topography: flat ,
NYIA128	NYI	11						282									isolated acacia aneura and acacia pruinocarpa over	Topography: flat ,
NYIA131	NYI	16						266									woodland of acacia pruinocarpa and acacia aneura over	Topography: flat ,
NYIA132	NYI	6						147									acacia aneura and acacia synchronicia over cenchrus	Topography: flat ,
NYIC032	NYI	9						147									. Upper: 600 cm, 5 % . Mid: 180 cm, 2 % . Lower: 100 cm,	Topography: flat ,
NYIB048	NYI	11						273?									Triodia schinzii and T. longiceps with some A.	Topography: flat,
NYIB083	NYI	12						147									triodia longiceps and Cenchrus ciliaris with emergent	Topography: flat,
NYIA129	NYI	19						424									open acacia woodland over shrubland of acacia	Topography: flat ,
NYIC009	NYI	24						424									.	Topography: flat ,
NYIC010	NYI	27						428									. Upper: 500 cm, 1 % . Mid: 350 cm, 35 % . Lower: 80 cm,	Topography: flat ,
NYIC012	NYI	21						427									.	Topography: flet,
NYIC068	NYI	21						276									. Upper: 1000 cm, 15 % . Mid: 300 cm, 1 % . Lower: 80	Topography: flat ,
NYIC070	NYI	21						427									. Upper: 900 cm, 5 % . Mid: 300 cm, 5 % . Lower: 80 cm,	Topography: flat ,
NYIC013	NYI	14						424									. Upper: 1000 cm, 20 % . Mid: 250 cm, 3 % . Lower: 130	Topography: flat ,
NYIC071	NYI	33						424									. Upper: 100 cm, 30 % . , Logs: 1 % . Twigs: 5 % . Leaves:	Topography: flat ,
NYIB032	NYI	12						131									mixed shrubs over triodia longiceps.	Topography: flat,
NYIB090	NYI	13						273									Cenchrus grasslands with emergent shrubs and corymbia	Topography: flat,
NYIC026	NYI	27						575									. Upper: 1000 cm, 10 % . Mid: 400 cm, 5 % . Lower: 150	Topography: drainage line , slope: 5
NYIC027	NYI	22						425									. Upper: 1200 cm, 5 % . , Logs: 2 % . Twigs: 2 % . Leaves:	Topography: wide drainage line , slope:
NYIB043	NYI	15						556									Mixed Acacias over mixed shrubs over Cenchrus ciliaris.	Topography: flat,
NYIC120	NYI	19						273									. Upper: 0 cm, 0 % . Mid: 250 cm, 7 % . Lower: 100 cm, 45	Topography: flat ,
NYIB044	NYI	18						276									A. aneura, A. synchronicia and A. citrinoviridis over	Topography: flat,
NYIB045	NYI	14						155									triodia grasslands with emergent acacia ancistrocarpa and	Topography: flat,
NYIC069	NYI	22						147									. Upper: 800 cm, 5 % . Mid: 300 cm, 20 % . Lower: 80 cm,	Topography: flat ,

site	PROJ	spp	50	100	200	400	600	nmb	data							VEGETATION	HABITAT	
									0.0000	0.2478	0.4956	0.7433	0.9911	1.2389	1.4867			1.7344
NYIB084	NYI	19						145									Cenchrus grasslands with emergent eucalyptus victrix	Topography: flat,
NYIB088	NYI	16						319?									Triodia longiceps and Cenchrus ciliaris with A	Topography: flat,
NYIA039	NYI	25						141?									grassland of enneapogon polyphyllus with trodia epacta	Topography: flat ,
NYIA082	NYI	28						567?									open woodland of corymbia hamersleyana and mulga fir	Topography: slight depression ,
NYIA049	NYI	12						254??									tufted grassland of cenchrus ciliaris with acacia	Topography: flat ,
NYIB008	NYI	23						379									acacia tree over grass. Upper: 300 cm, 1 % . Mid: 200 cm,	Topography: flat,
NYIB015	NYI	26						552?									mixed acacias over mixed grass.	Topography: flowline, flat,
NYIC016	NYI	18						425									.	Topography: flat ,
NYIA051	NYI	16						427									grassland of trodia epacta and cenchrus ciliaris with open	Topography: flat ,
NYIB039	NYI	16						145									Acacia pyrifolia and A. pruinocarpa over Triodia epactia.	Topography: flat,
NYIB042	NYI	17						148									A. sclerosperma and A. synchronicia over mixed shrubs	Topography: flat,
NYIB009	NYI	20						431									acacias over grass. Upper: 800 cm, 8 % . Mid: 150 cm, 1	Topography: minor creek,
NYIB010	NYI	19						404									acacia pruinocarpa over Cenchrus ciliaris. Upper: 900 cm,	Topography: flat creekline,
NYIB014	NYI	19						600?									. Upper: 400 cm, 6 % .	Topography: flowline, flat,
NYIB012	NYI	13						431									acacia pruinocarpa over Cenchrus ciliaris. Upper: 900 cm,	Topography: flowline, flat,
NYIB013	NYI	23						182									acacias over grass . Upper: 700 cm, 5 % .	Topography: flowline, flat,
NYIB011	NYI	20						575									acacia pruinocarpa over Cenchrus ciliaris. Upper: 800 cm,	Topography: flowline flat,
NYIB040	NYI	20						145									A. pruinocarpa and A. citrinoviridis over Cenchrus ciliaris	Topography: flat,
NYIA052	NYI	18						155									tufted grassland of cenchrus ciliaris with isolated	Topography: flat ,
NYIA047	NYI	30						575									open woodland of eucalyptus camaldulensis over	Topography: MaC,
NYIA048	NYI	29						575									open woodland of eucalyptus camaldulensis over	Topography: MaC,
NYIA053	NYI	30						575									woodland of eucalyptus camaldulensis and acacia	Topography: mac,
NYIB019	NYI	18						71?									creek bed lined with eucalyptus camaldulensis and	Topography: flowline adjacent to creek,
NYIB020	NYI	18						155									eucalyptus victrix over grass. Upper: 1000 cm, 2 % . Mid:	Topography: major channel, slope:
NYIB085	NYI	19						384									A pruinocarpa over Cenchrus ciliaris with emergent	Topography: flowline, slope: 1 to 5
NYIA125	NYI	8						193									open woodland of acacia pruinocarpa over cenchrus	Topography: flat ,
NYIB061	NYI	14						171									mixed shrub and herb community .	Topography: flat flowline,
NYIB079	NYI	24						171?									triodia basedowii grasslands with emergent grevillia	Topography: flat, valley of bifhills,
NYIB065	NYI	29						301									triodia grasslands with emergent A ancistrocarpa, A	Topography: creekline, slope: 0-55,
FMG01	2491	18	1	2	5	13	22										Acacia inaequilatera scattered tall shrubs over Triodia	East-facing lower slope of a low
FMG-	2491	15	29	59	124	247	382											Lower colluvial spur (gently sloping, S
NYIB066	NYI	16						296									A. synchronicia over Triodia basedowii and Triodia	Topography: flat,
TRIN004	EP00550AA	24	10	29	58	112	175										Scattered Low Trees of Corymbia hamersleyana to 8m	Slopebelow hill 100m east and fringing
NYIA064	NYI	8						386									hummock grassland of trodia epacta with acacia	Topography: flat ,
NYIB175	NYI	13						383									open corymbia hamersleyana sparse woodland over	Topography: flat,
NYIB172	NYI	20						254									acacia ancistrocarpa over triodia with emergent corymbia	Topography: flat,
NYIB177	NYI	27						577									corymbia hamersleyana over acacia over triodia	Topography: flat,
NYIB185	NYI	20						379?									triodia basedowii with acacia ancistrocarpa and corymbia	Topography: flat,
NYIA126	NYI	16						383									low open woodland of eucalyptus gamophylla over triodia	Topography: flat ,
NYIC112	NYI	11						383?									. Upper: 500 cm, 2 % . Mid: 250 cm, 10 % . Lower: 100	Topography: flat ,
NYIB029	NYI	8						333									Acacia pyrifolia over Triodia longiceps over mixed acacia	Topography: flat,
NYIB033	NYI	20						383									acacia pachyacra and A. sclerosperma over Triodia	Topography: flat,
NYIC117	NYI	14						385									. Upper: 400 cm, 4 % . Mid: 200 cm, 2 % . Lower: 100 cm,	Topography: flat ,
NYIB046	NYI	16						383									A. dictyophleba over Cenchrus and some Triodia	Topography: flat, possible flowline,
NYIB049	NYI	11						383									Acacia tumida over Chrysopogon fallax and Cenchrus	Topography: flat,
FMG03	2491	36	29	59	123	245	379										Corymbia hamersleyana scattered low trees over Acacia	Flat valley floor adjacent to creek
FMG118	2491	41	29	59	124	247	381										Eucalyptus gamophylla scattered low mallees over	Small creekline between lower colluvial
FMG-	2491	17	30	60	125	251	386											Alluvial flat valley floor
NYIA058	NYI	23						383									hummock grassland of trodia austrostipa with open	Topography: flat ,
NYIA062	NYI	18						383									hummock grassland of trodia austrostipa with acacia flat	Topography: flat ,
NYIA063	NYI	18						386									hummock grassland of trodia epactia with hakea lorea .	Topography: flat ,
NYIA005	NYI	21						383									hummock grassland of triodia austrostipa with emergent	Topography: flat ,
NYIA014	NYI	16						383									hummock grassland of triodia epactia with emergent	Topography: flat ,
NYIB068	NYI	17						383									triodia grasslands with with emergent grevillia wickhamii	Topography: flat, base of hills, slope: 0
NYIA009	NYI	30						384									hummock grassland of triodia epactia with emergent	Topography: flat ,
NYIA015	NYI	26						384									hummock grassland of triodia epactia with shrubland of	Topography: flat ,
NYIB047	NYI	29						384									mixed acacia over Cenchrus. Upper: 800 cm, 2 % . Mid:	Topography: gtgg,
NYIA007	NYI	30						383									hummock grassland of triodia epactia with acacia	Topography: flat ,
NYIB081	NYI	13						273									triodia epactia grasslands with emergent acacias and	Topography: flat,
NYIA010	NYI	38						383									hummock grassland of triodia epactia with tall shrubland	Topography: flat ,
NYIA011	NYI	35						383									hummock grassland of triodia epactia with shrubland of	Topography: low rise , slope: 1, east
NYIB060	NYI	36						383									creekline edged with acacia elachantha and A. pyrifolia	Topography: flat,

site	PROJ	spp	50	100	200	400	600	nmb	data							VEGETATION	HABITAT	
									0.0000	0.2478	0.4956	0.7433	0.9911	1.2389	1.4867			1.7344
NYIB075	NYI	14						147									flowline of mixed acacias and grevilleia wickhamii over	Topography: flat,
NYIB002	NYI	31						79									hummock grassland with acacia bivenosa near creekline	Topography: minor channel ,
NYIB073	NYI	26						384									open corymbia hamersleyana woodland with some A	Topography: creekline,
NYIB076	NYI	41						384									triodia basedowii grasslands with emergent grevilleia	Topography: flat, flowlines,
H016	HDRAIL	34	29	59	124	249	384										Corymbia hamersleyana scattered low trees over Acacia	Broad bank of minor creek.
H035	HDRAIL	47	29	59	124	249	384										Gossypium robinsonii, Grevillea wickhamii scattered tall	Flood plain/flow area next to a small
H034	HDRAIL	33	29	59	124	249	384										Corymbia hamersleyana scattered low trees over Acacia	Creekline through upper part of alluvial
H029	HDRAIL	45	29	59	124	249	384										Corymbia hamersleyana scattered low trees over	Small flow line between very low rises
H030	HDRAIL	44	29	59	124	249	384										Corymbia hamersleyana scattered low trees over	Medium sized creek between low rises
H026	HDRAIL	51	29	59	124	249	384										Acacia tumida, Gossypium robinsonii open heath over	Shallow (about 40cm deep) drainage
H040	HDRAIL	34	29	59	124	249	384										Corymbia hamersleyana, Eucalyptus gamophylla	Very gently undulating mid slope on
H046	HDRAIL	50	29	59	124	249	384										Acacia tumida, A. citrinoviridis high shrubland over	Creek bed and lower banks.
H009	HDRAIL	34	47	97	195	386	577										Acacia ancistrocarpa open shrubland over Corchorus	Sandy plain
H019	HDRAIL	40	47	97	195	386	577										Acacia aneura, Hakea lorea scattered low trees over	Gentle slope on undulating plain of
NYIC110	NYI	25						383									. Upper: 0 cm, 0 %. Mid: 300 cm, 5 %. Lower: 100 cm, 50	Topography: flat ,
H018	HDRAIL	42	47	97	195	386	577										Acacia aneura scattered low trees and Eucalyptus	Slight depression in very gently
H013	HDRAIL	49	47	97	195	386	577										Corymbia deserticola scattered low trees over Acacia	Sandy plain
H025	HDRAIL	39	29	59	124	248	383										Acacia inaequilatera, Hakea chordophylla scattered tall	Swale in gently undulating plain.
H015	HDRAIL	33	29	59	124	248	383										Hakea chordophylla scattered tall shrubs over Indigofera	Gentle slope on alluvial/colluvial fan.
H024	HDRAIL	35	29	59	124	248	383										Hakea chordophylla, Acacia inaequilatera scattered tall	Sandy plain
H031	HDRAIL	37	29	59	124	248	383										Eucalyptus gamophylla low open mallee woodland over	Gentle mid-slopes of large (broad)
H054	HDRAIL	27	29	59	124	248	383										Eucalyptus gamophylla scattered low mallees over Hakea	Sandy plain
H053	HDRAIL	42	29	59	124	248	383										Acacia tumida closed scrub over Triodia epactia	Minor drainage dissecting low colluvial
H033	HDRAIL	28	29	59	124	248	383										Eucalyptus gamophylla scattered low mallees over Sida	Gentle slope on colluvial spur.
H039	HDRAIL	26	29	59	124	248	383										Petalostylis cassioides high open shrubland over Triodia	Slightly lower swale on undulating plain
H036	HDRAIL	36	29	59	124	248	383										Eucalyptus gamophylla scattered low mallees over Acacia	Lower slope adjacent to creek and creek
H042	HDRAIL	30	29	59	124	248	383										Corymbia hamersleyana scattered low trees over Acacia	Very gently undulating area of alluvial
H032	HDRAIL	37	29	59	124	249	384										Corymbia hamersleyana (none in plot), Eucalyptus	Gently undulating area with many
H041	HDRAIL	29	29	59	124	249	384										Hakea chordophylla scattered tall shrubs over Gossypium	Gently sloping to north. Slightly raised
H017	HDRAIL	25	29	59	124	248	383										Hakea chordophylla, Acacia inaequilatera scattered tall	Gentle slopes on the side of a low rise
H023	HDRAIL	22	29	59	124	248	383										Eucalyptus gamophylla low open woodland with Hakea	Very gentle slope on colluvial/alluvial
NYIB171	NYI	15						383									acacia inequilatera over triodia. Upper: 700 cm, 1 %. Mid:	Topography: flat,
NYIA040	NYI	23						383									hummock grassland of trodia epacta with eucalyptus	Topography: flat ,
NYIA041	NYI	31						383									hummock grassland of trodia epactia with eucalyptus	Topography: flat ,
NYIA071	NYI	25						383									hummock grassland of trodia epacta with eucalyptus	Topography: flat ,
NYIA060	NYI	34						383									hummock grassland of trodia epacta with acacia	Topography: flat ,
NYIA061	NYI	27						383									hummock grassland of trodia epacta with acacia	Topography: flat ,
NYIA072	NYI	22						383									hummock grassland of trodia epacta with acacia	Topography: flat ,
H028	HDRAIL	32	29	59	124	248	383										Corymbia hamersleyana, Hakea chordophylla scattered	Mid to upper part of a strip of large
NYIC006	NYI	22						383									.	Topography: flat ,
NYIC045	NYI	27						383									acacia scrub over hummock grassland.	Topography: low plains, slope: >5, nw
NYIC001	NYI	35						383									.	Topography: flat ,
NYIC002	NYI	40						383									. Upper: 700 cm, 1 %. Mid: 300 cm, 3 %. Lower: 150 cm,	Topography: flat ,
NYIC005	NYI	28						383									.	Topography: flat ,
NYIC044	NYI	42						383									. Upper: 600 cm, 2 %. Mid: 400 cm, 5 %. Lower: 130 cm,	Topography: flat ,
NYIC019	NYI	29						383									.	Topography: flat ,
NYIA059	NYI	30						383									hummock grassland of trodia epacta and aristeda	Topography: flat ,
NYIA066	NYI	31						383									hummock grassland of trodia epacta with acacia fly swat	
NYIB053	NYI	24						379									Mixed Acacias over Cenchrus.	Topography: flat,
NYIA067	NYI	23						383									hummock grassland of trodia epacta with hakea lorea .	Topography: flat ,
NYIC107	NYI	23						383									. Upper: 0 cm, 0 %. Mid: 250 cm, 5 %. Lower: 100 cm, 45	Topography: flat ,
NYIA065	NYI	15						383									hummock grassland of trodia epacta with acacia fly swat .	Topography: flat ,
FML01	2491	49	29	59	123	246	380										Corymbia hamersleyana low open woodland over Acacia	Sandy plain
FMN-MA	2491	36	29	59	123	246	380										Acacia coriacea scattered tall shrubs over Acacia	Sandy plain
FMR09	2491	33	29	59	123	246	380										Acacia coriacea tall open shrubland over Bonamia rosea,	Gentle slope to southeast on low rise of
FML-MA	2491	31	29	59	123	246	380										Eucalyptus socialis, Corymbia hamersleyana low open	Sandy plain
FML-MB	2491	40	29	59	123	246	380										Eucalyptus gamophylla scattered low mallees over Acacia	Stony plain on west side of low hill
FMN02	2491	47	29	59	123	246	380										Corymbia hamersleyana scattered low trees over Acacia	Broad flowline between the end of a low
FMN24	2491	60	29	59	123	246	380										Acacia inaequilatera, Grevillea wickhamii scattered tall	Gently sloping, west-facing lower
FMG07	2491	42	29	59	123	245	379										Corymbia hamersleyana, Acacia pruinocarpa scattered	Flat valley floor adjacent to creek
FMG68	2490	43	29	59	123	245	379										Corymbia hamersleyana scattered low trees over Acacia	Plain
NYIB034	NYI	24						379									Triodia epactia with emergent A. pruinocarpa and mixed	Topography: flat,





## Appendix 4 Distribution of NYI sites with Regional Reference sites.

Organised by Group 600. Blue, pale blue and white place markers NYI sites confidence level reasonable, moderate and poor respectively.

Green place markers are reference sites

# of sites in N and R datasets indicated by N1 and R1 etc.

**Group 600 020 R4**



**Group 600 040 R1**



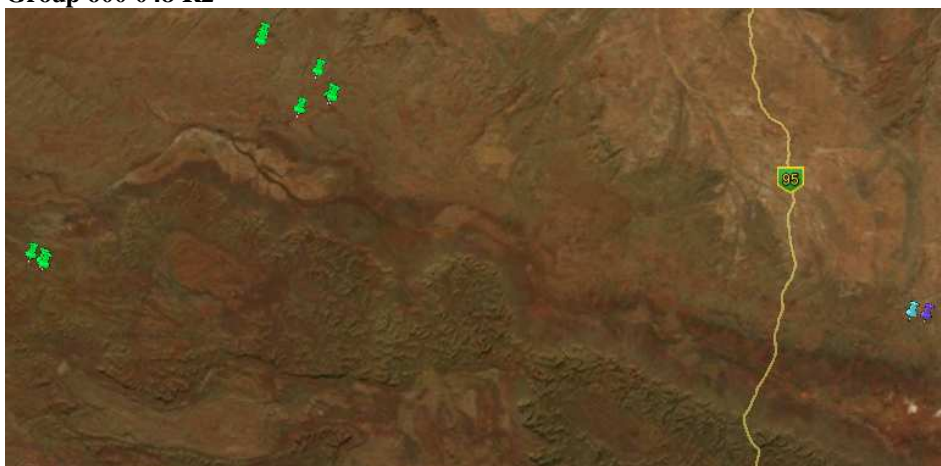
**Group 600 043 R1**



**Group 600 047 R1**



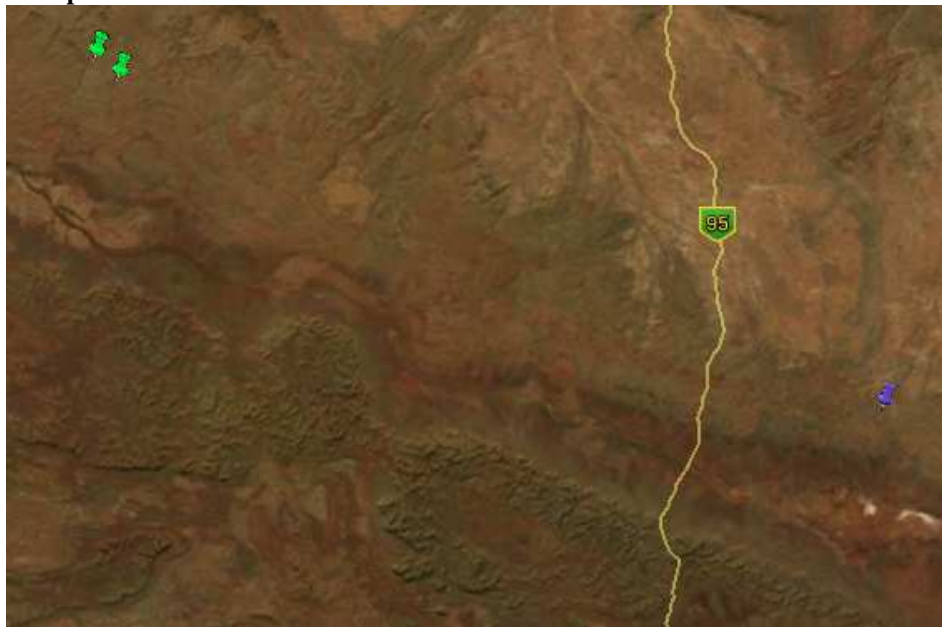
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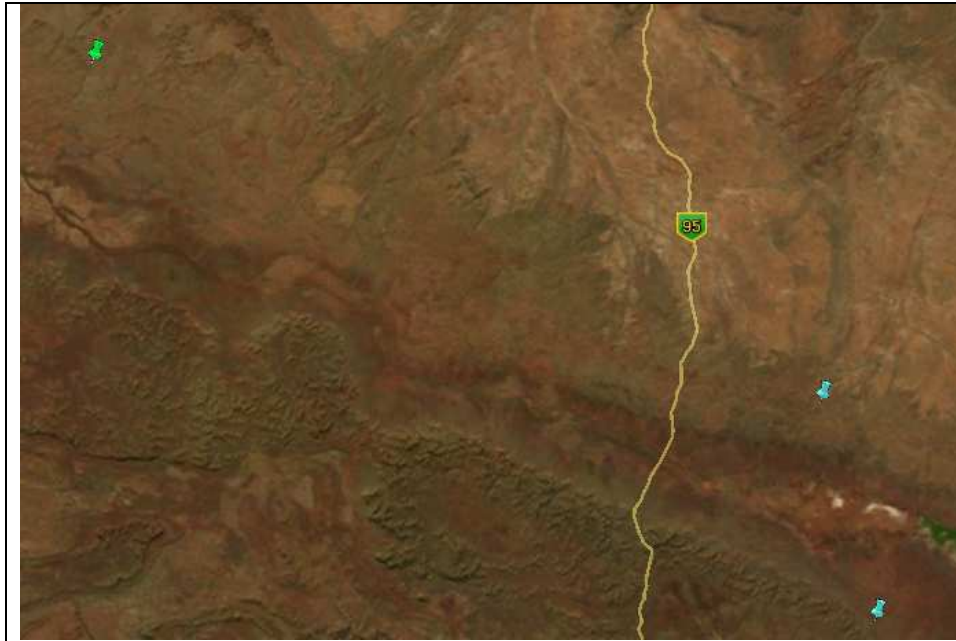


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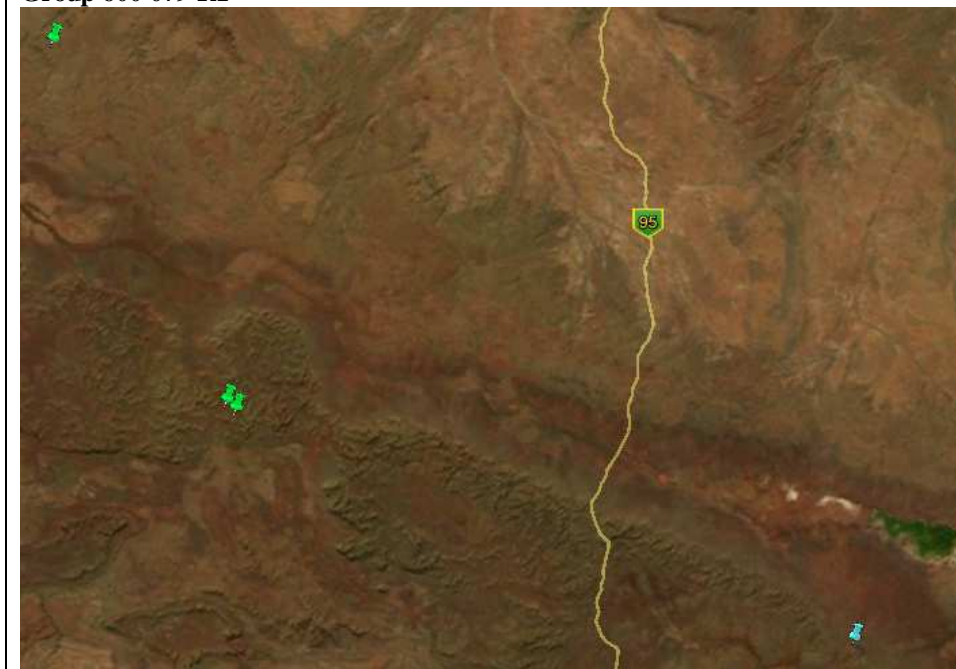


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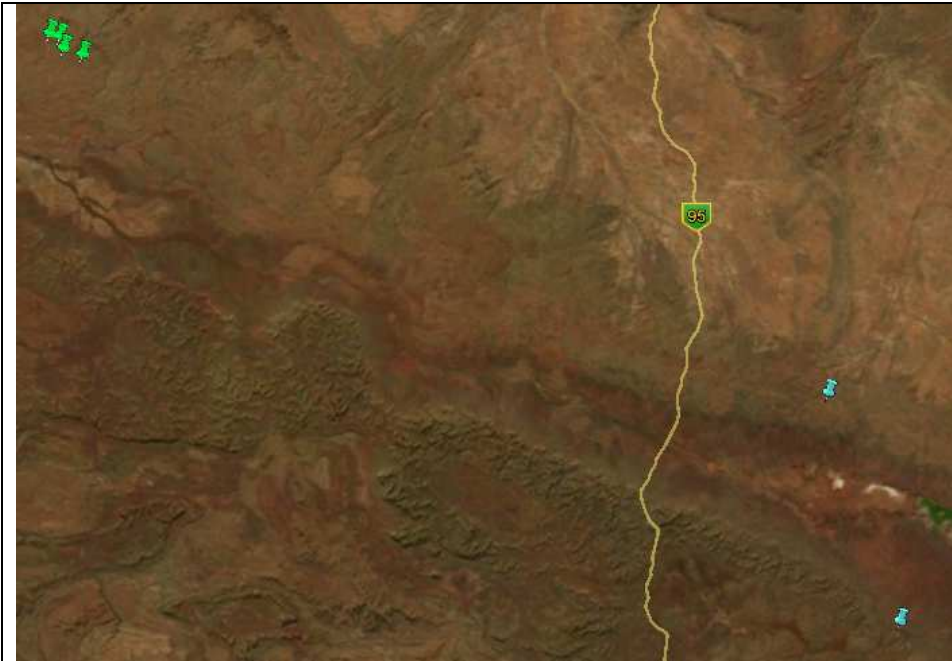




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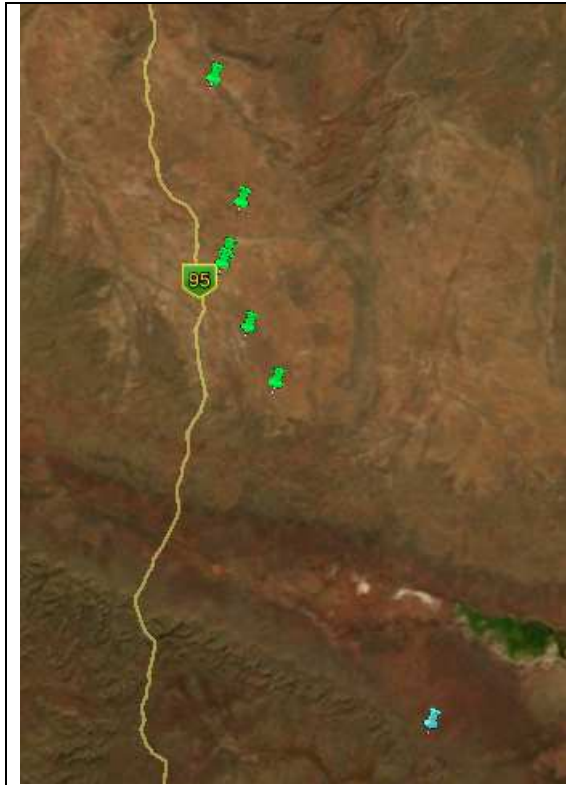
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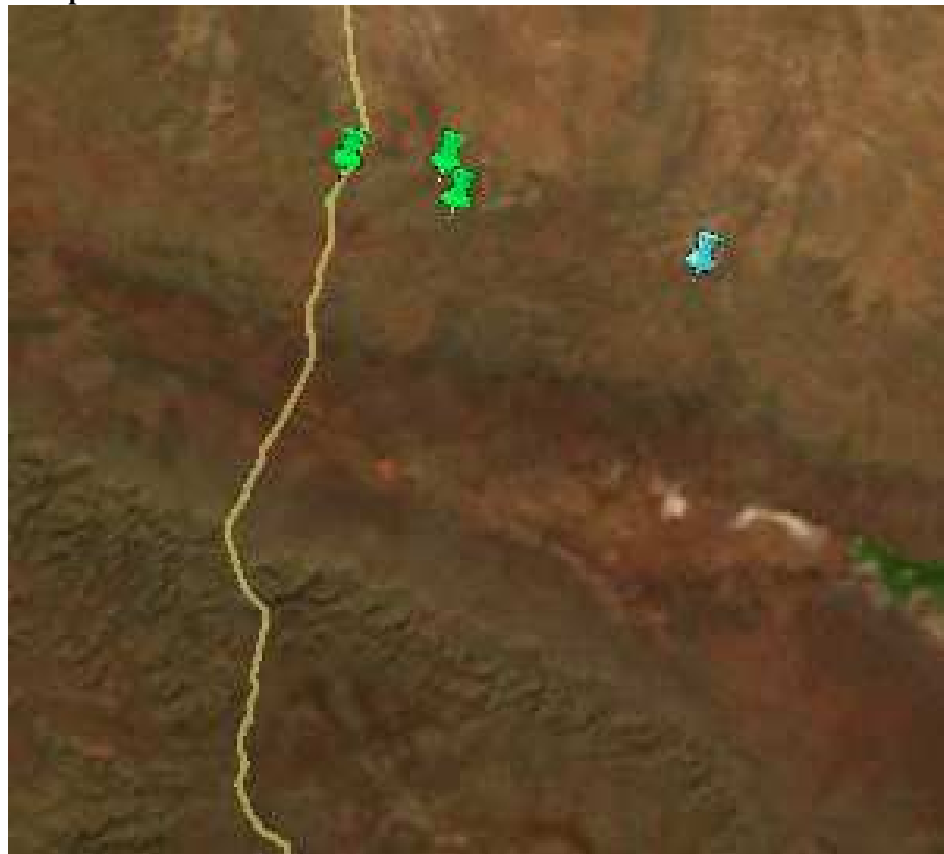
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**Group 600 127 R1**



**Group 600 128 R2**



**Group 600 131 N7, R2**

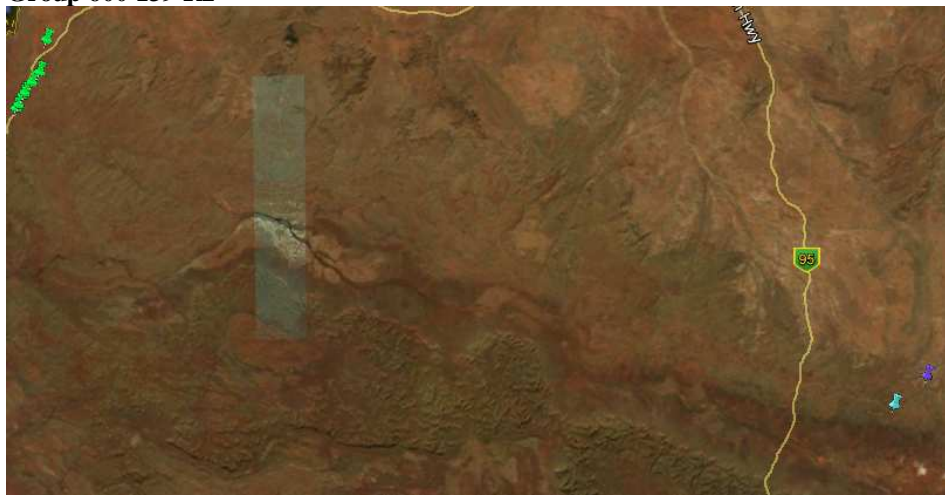


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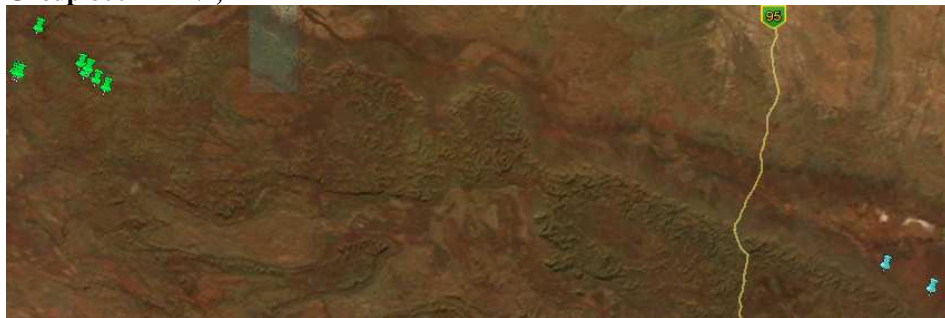




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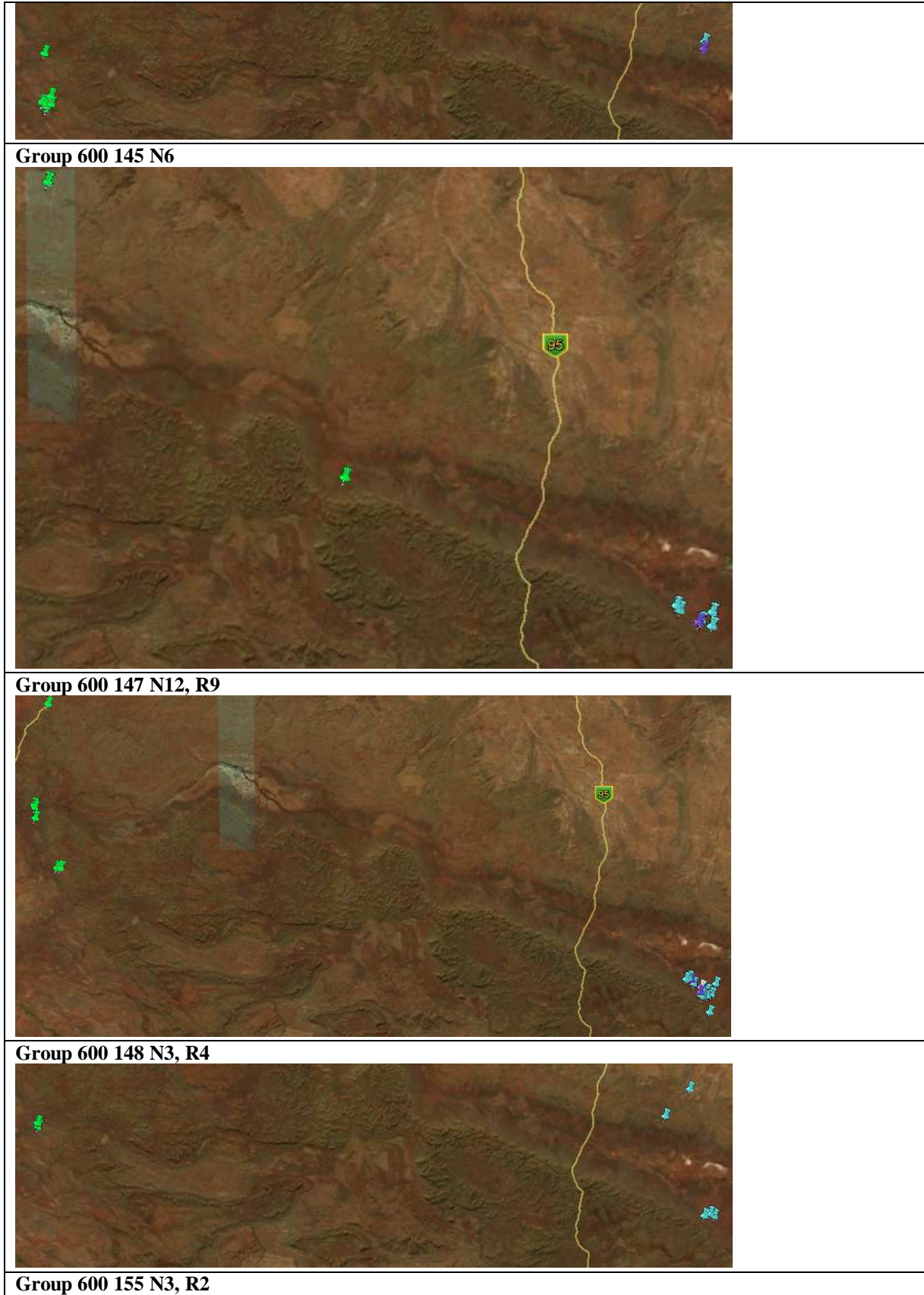
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**Group 600 144 R2**

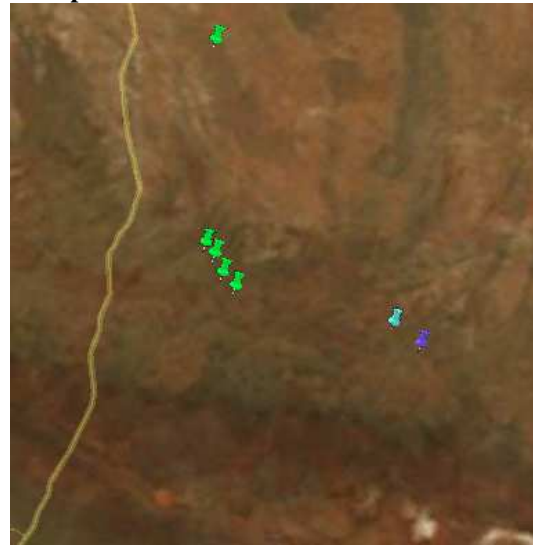




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**Group 600 162 R2**



**Group 600 163 R1**





**Group 600 169 R1**



**Group 600 170 R1**



**Group 600 171 N3**



**Group 600 182 R1**





**Group 600 188 N1, R1**



**Group 600 190 R1**



**Group 600 193 N1**



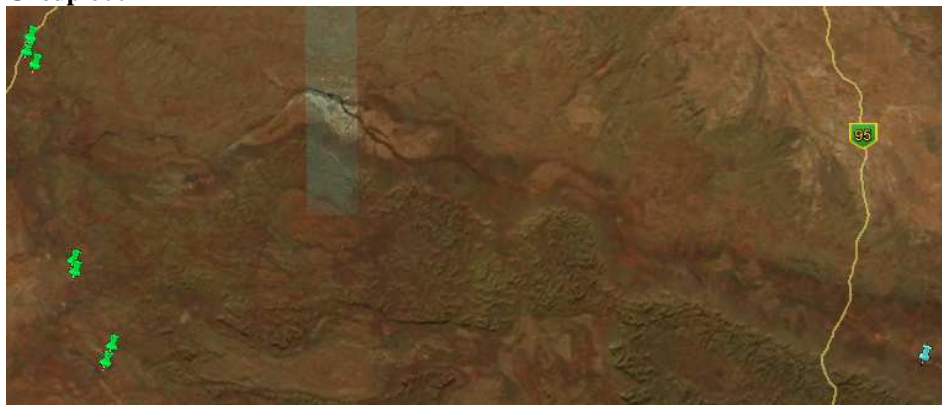
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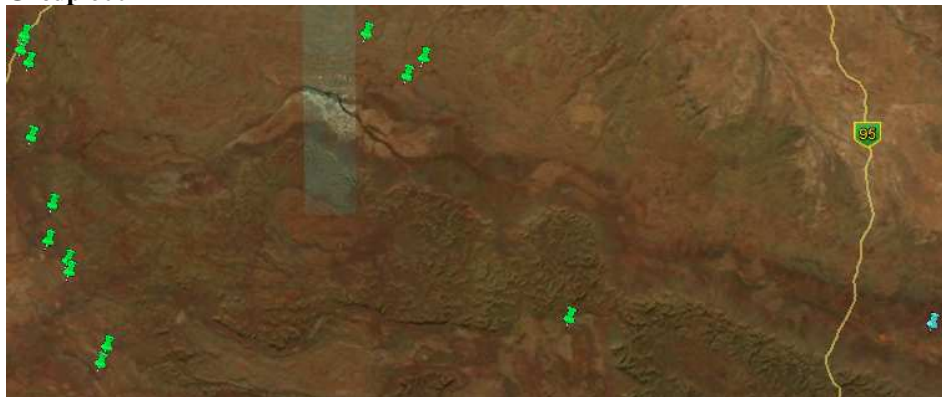
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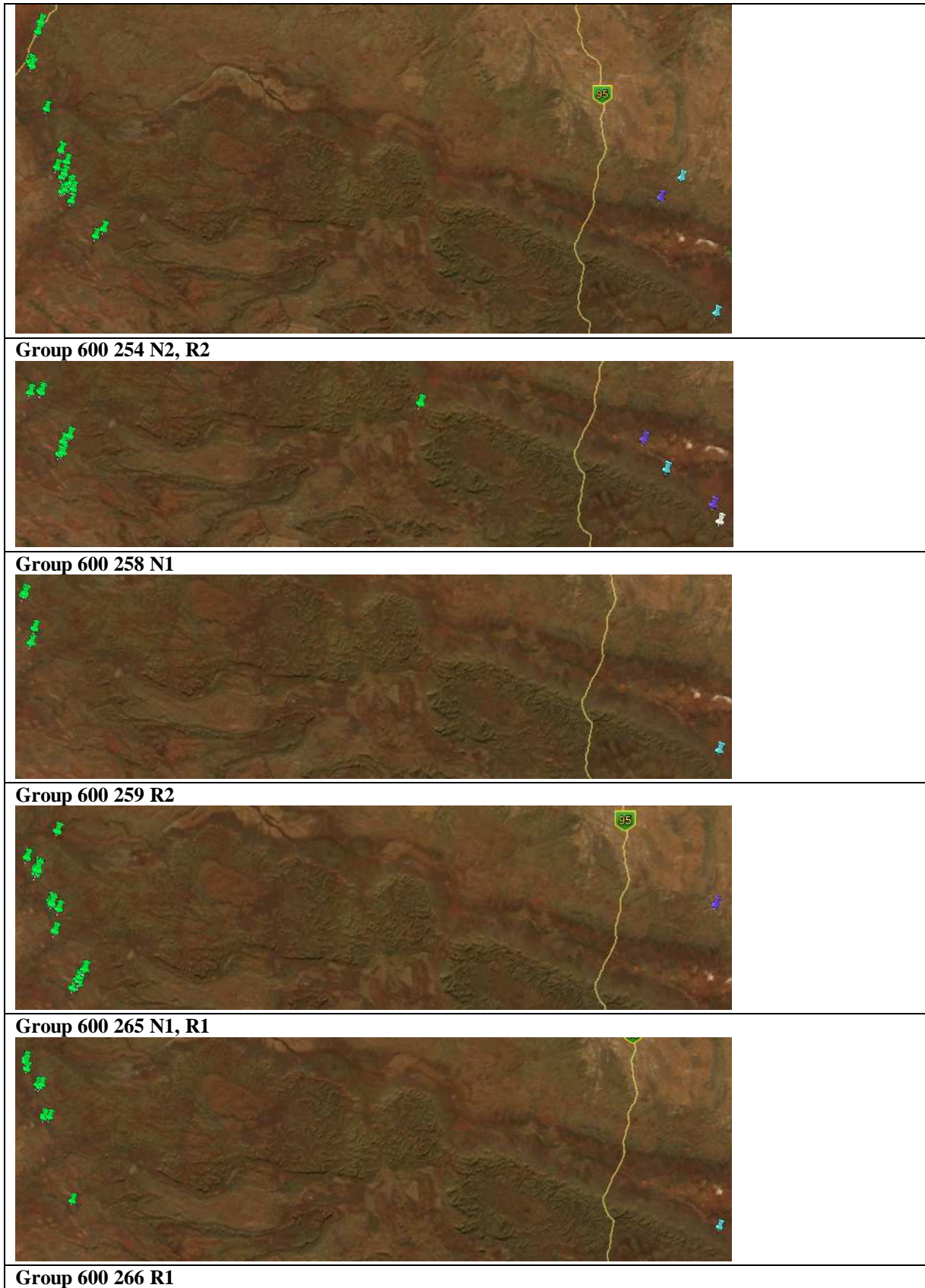


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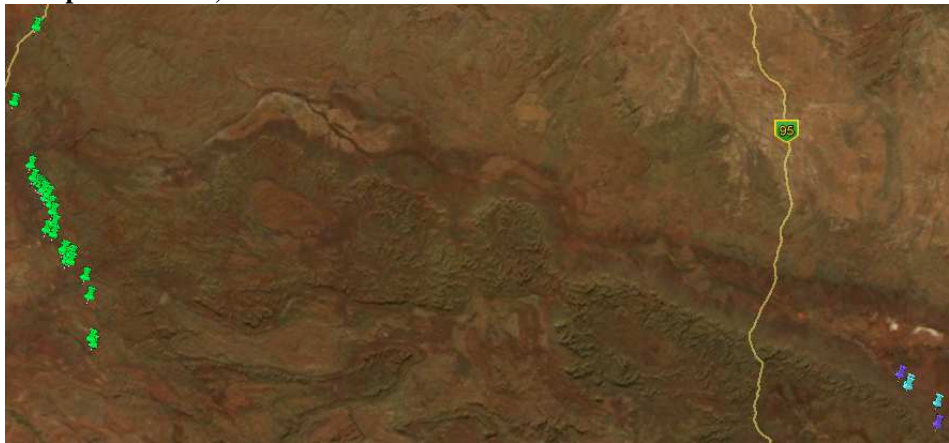



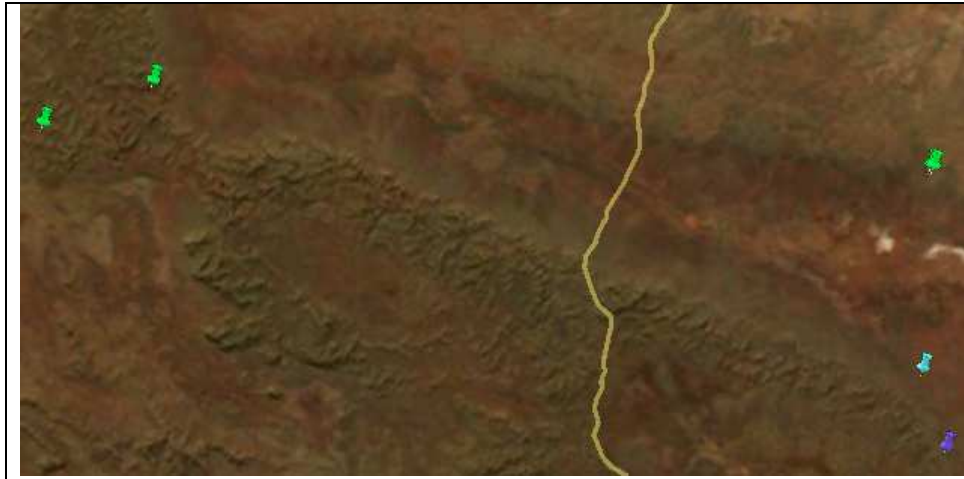
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<b>Group 600 267 R1</b>	
	
<b>Group 600 269 R3</b>	
	
<b>Group 600 273 N4, R2</b>	
	
<b>Group 600 276 N4, R3</b>	
	
<b>Group 600 282 N1, R1</b>	



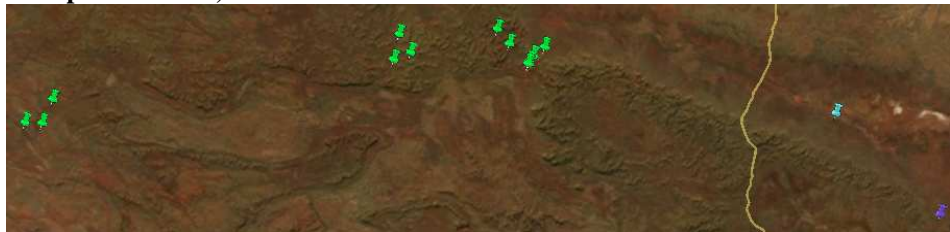
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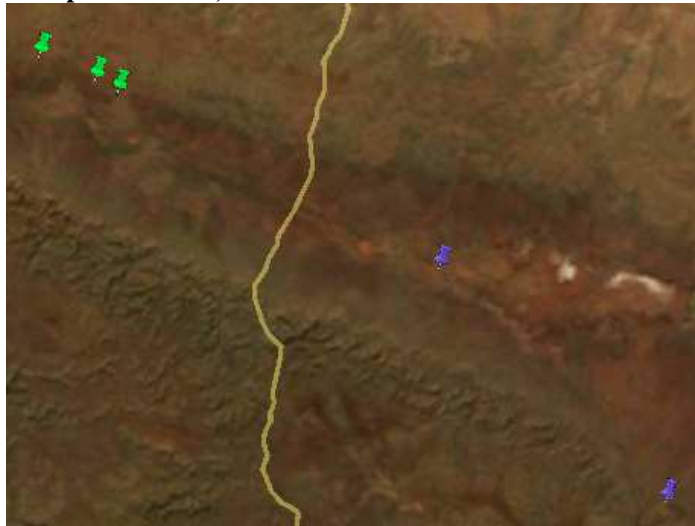
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**Group 600 310 R2**



**Group 600 314 N1, R1**

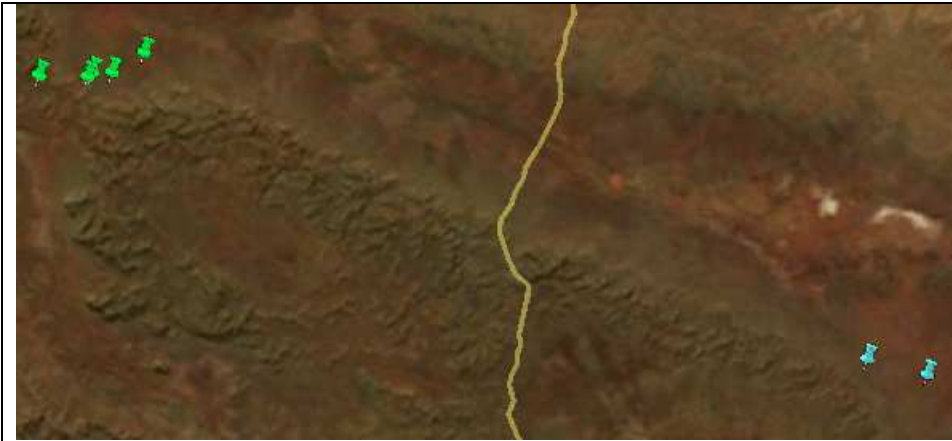


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**Group 600 319 N2**





**Group 600 324 N1**

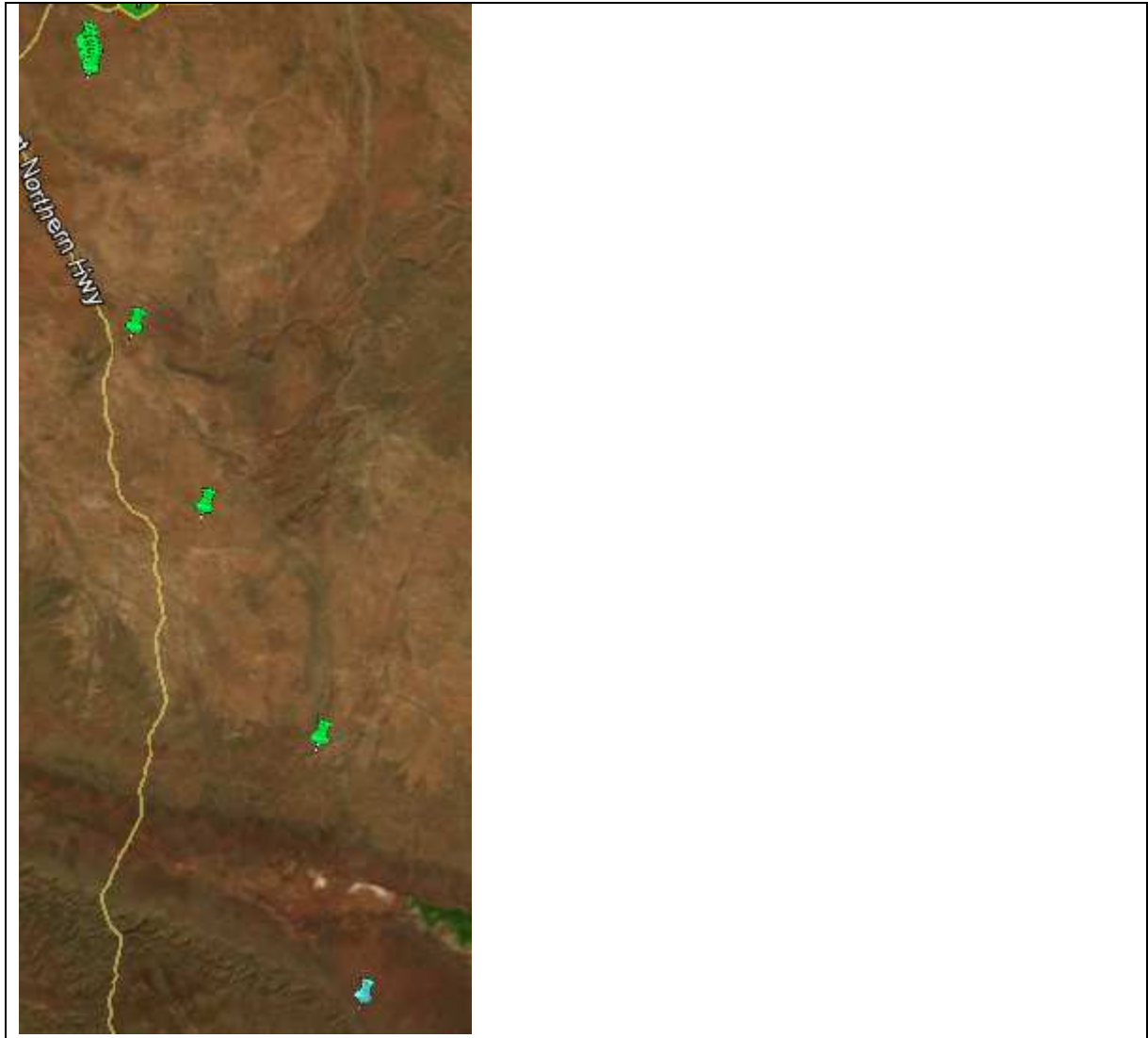


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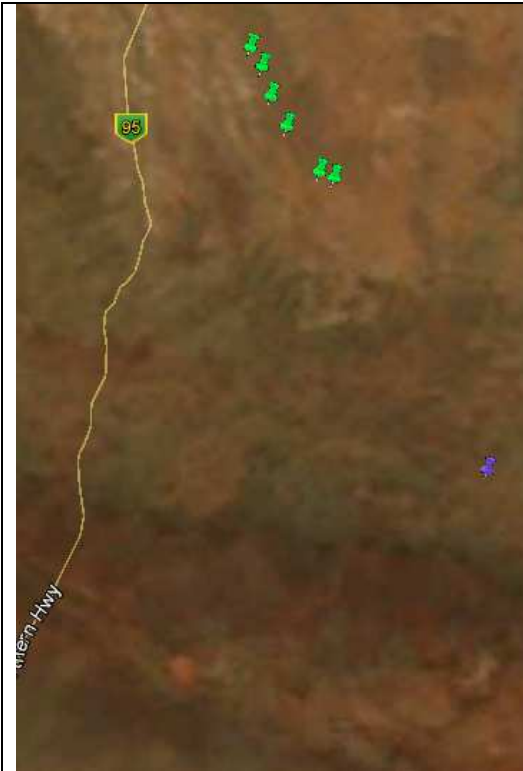




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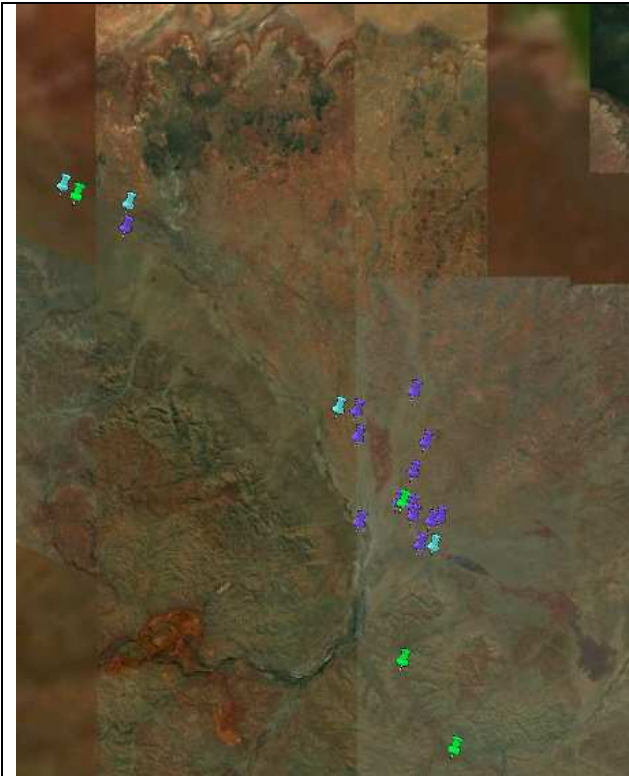
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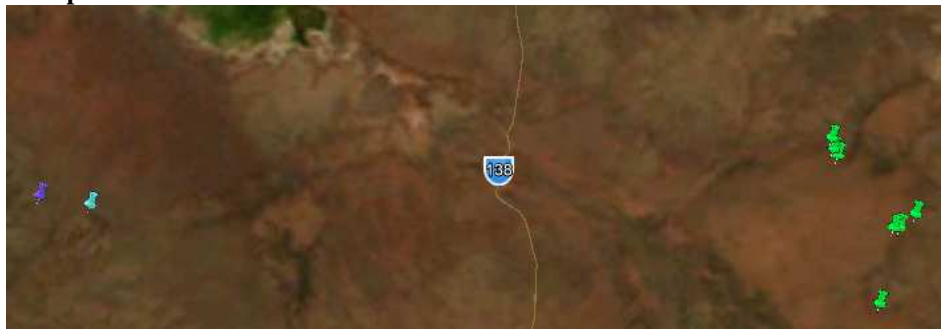
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**Group 600 379 N16, R4**



**Group 600 380 N2**

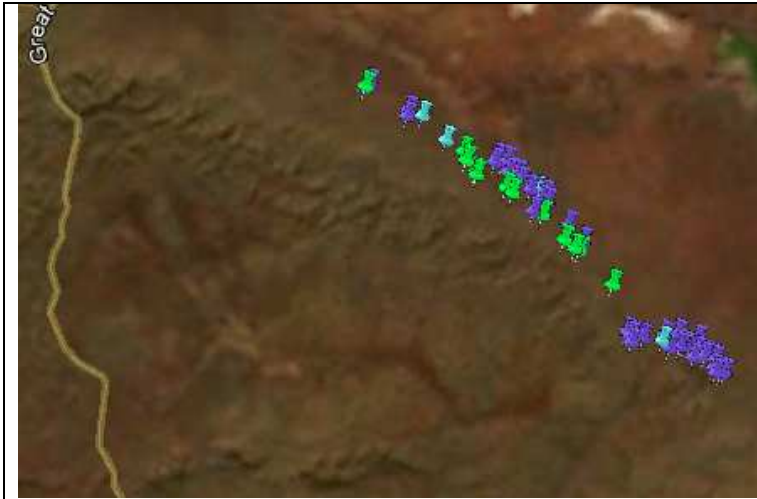


**Group 600 381 N1**



**Group 600 383 N38, R12**





**Group 600 384 N11, R1**



**Group 600 385 N4, R7**



**Group 600 386 N2**



**Group 600 393 N1**



**Group 600 397 N2**



**Group 600 398 N1, R2**



**Group 600 404 N19, R7**



**Group 600 406 N1**



**Group 600 414 N1**





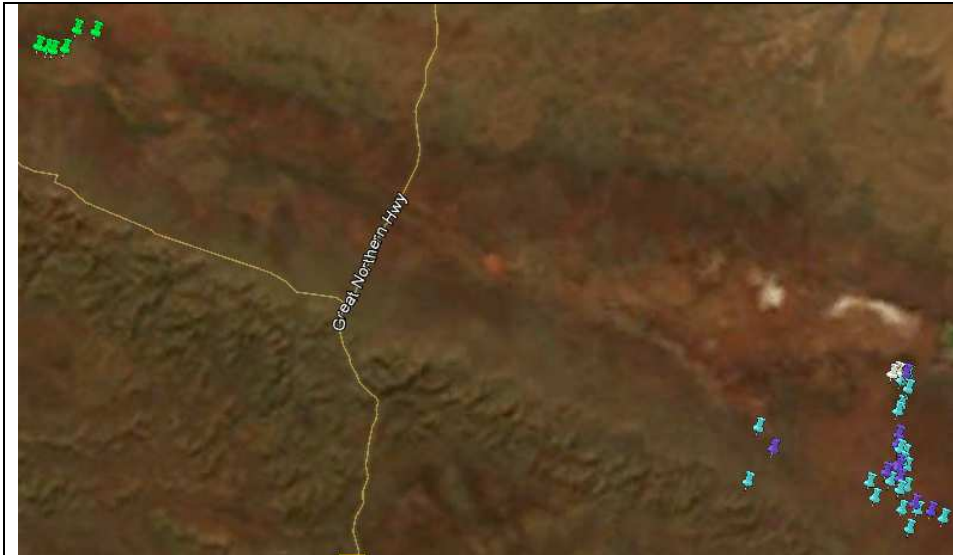
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**Group 600 424 N11, R5**



**Group 600 425 N32, R2**



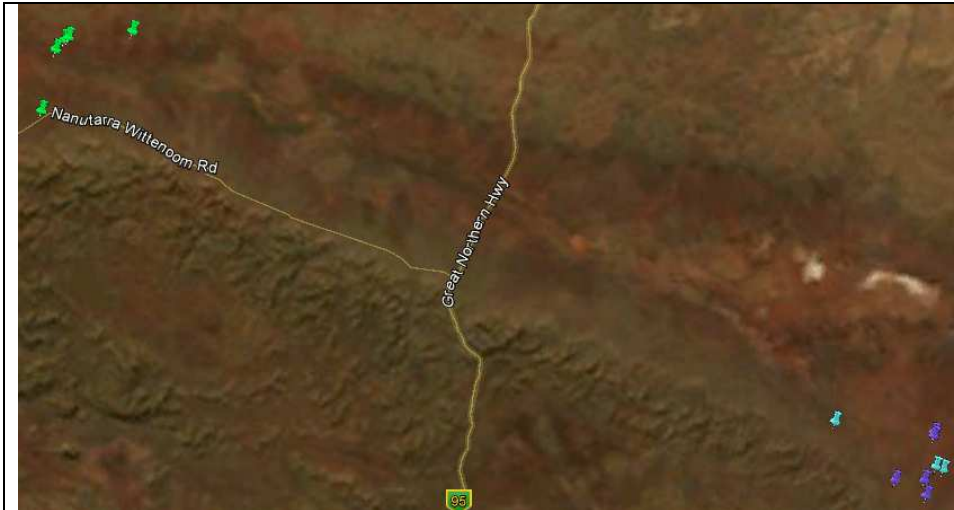
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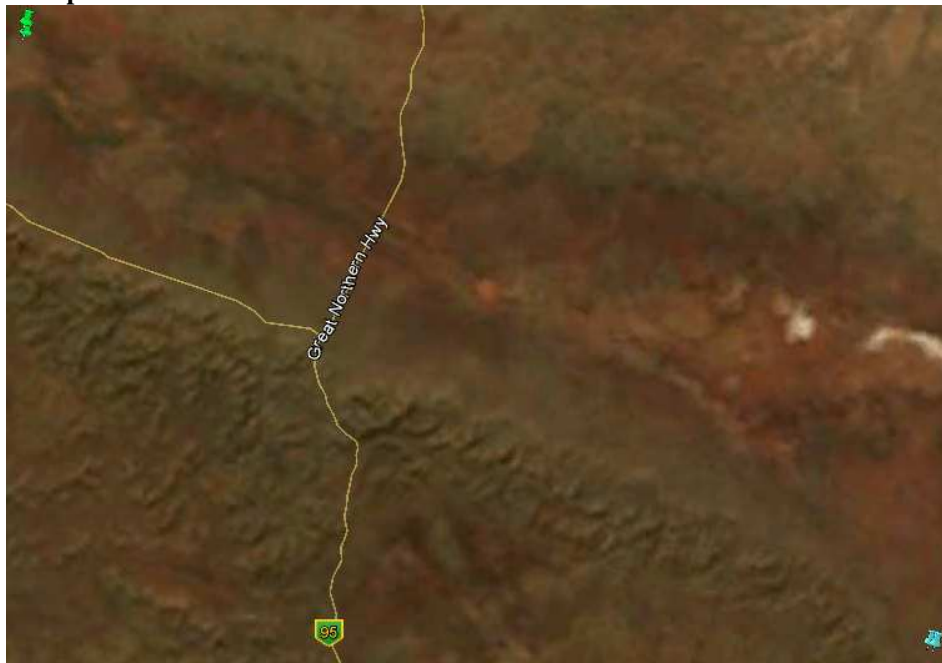
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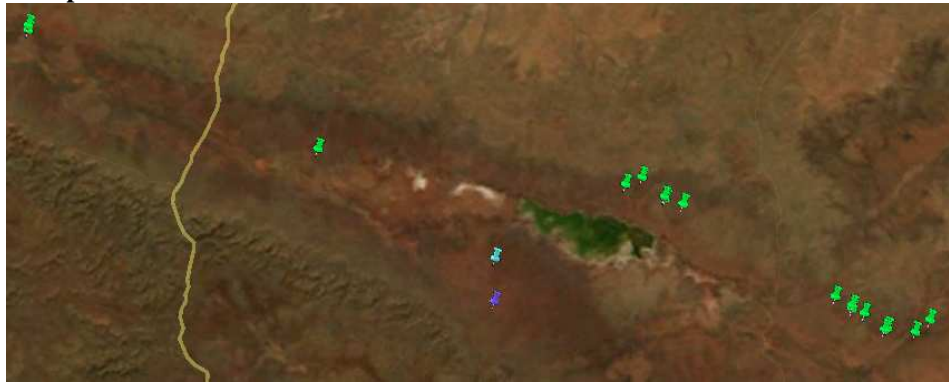


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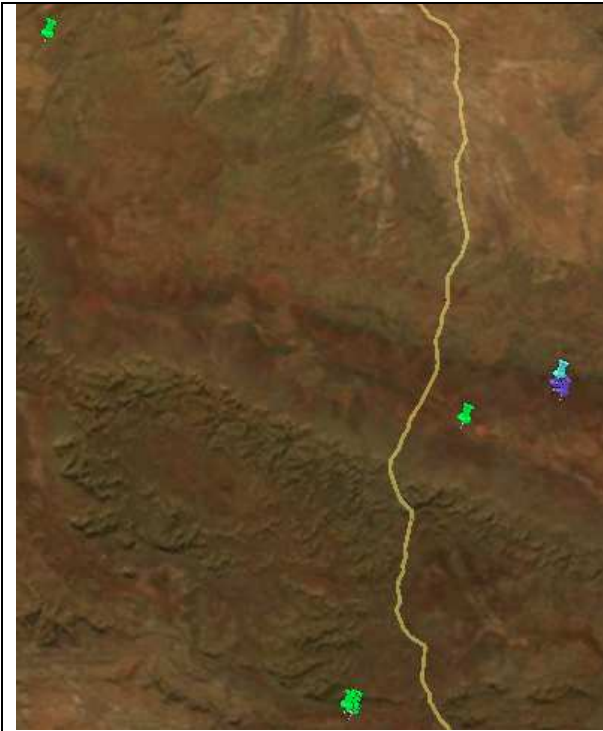


**Group 600 437 N1**



**Group 600 450 R3**





**Group 600 456 R1**



**Group 600 460 R1**



**Group 600 470 R1**



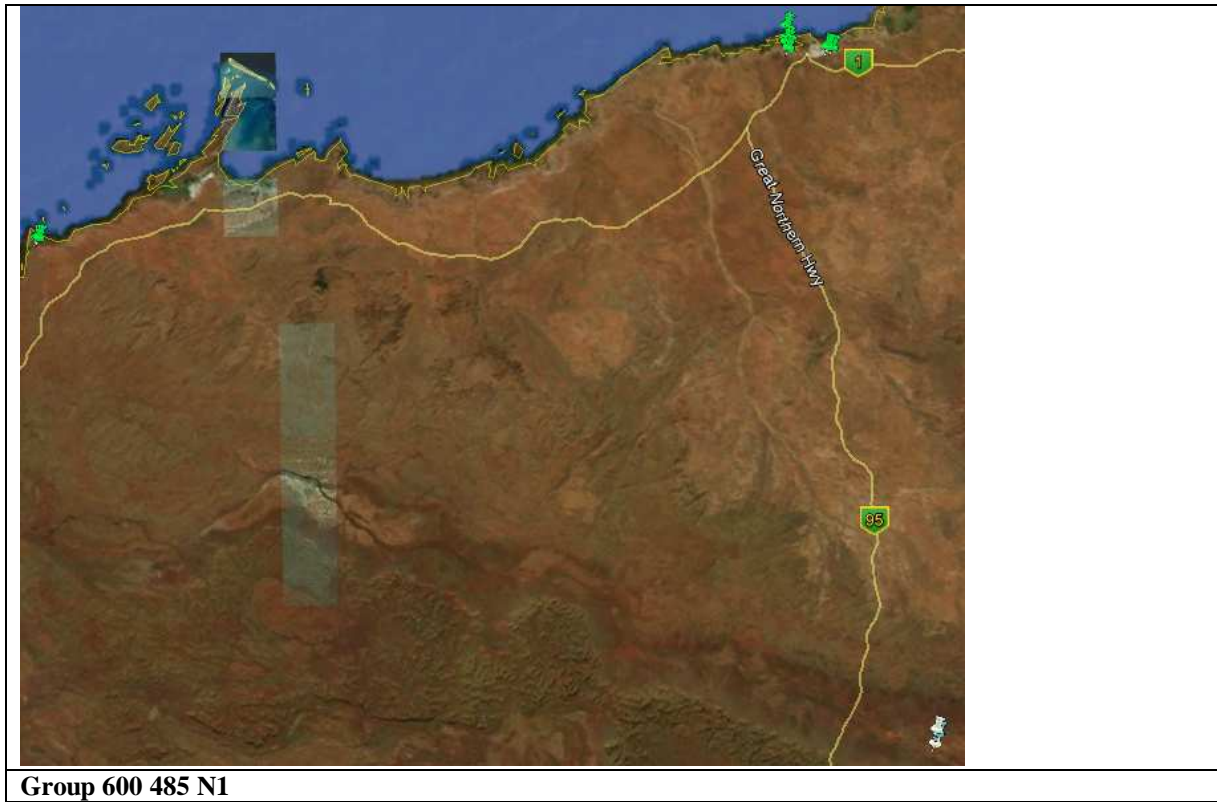
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**Group 600 484 R3**



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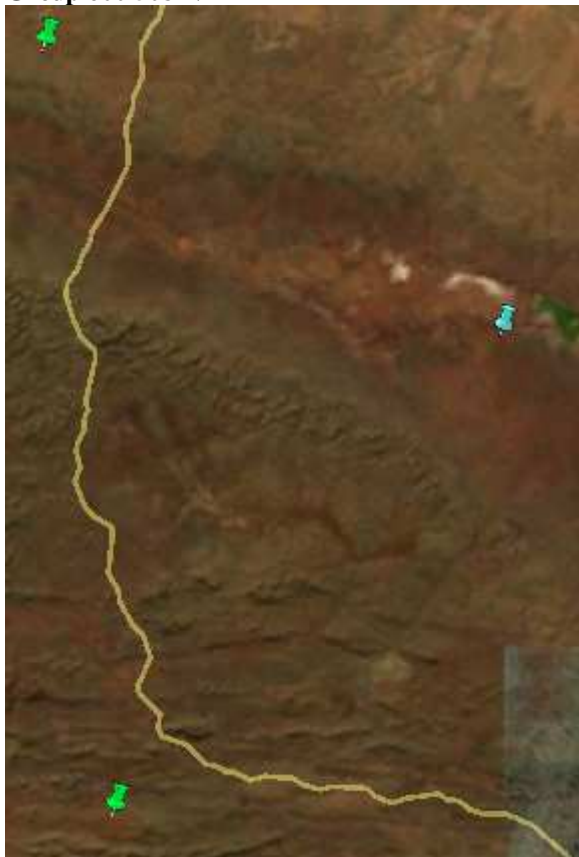
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**Group 600 487 R3**



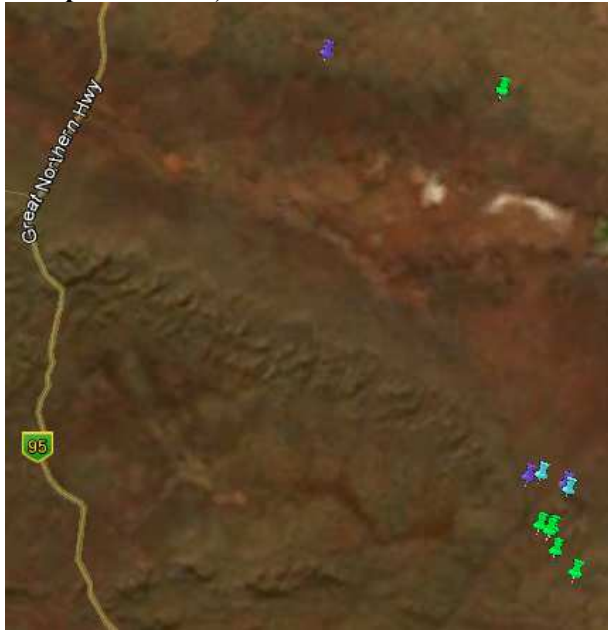
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**Group 600 527 R4**



**Group 600 528 N4, R1**



**Group 600 529 N2**



**Group 600 537 R1**

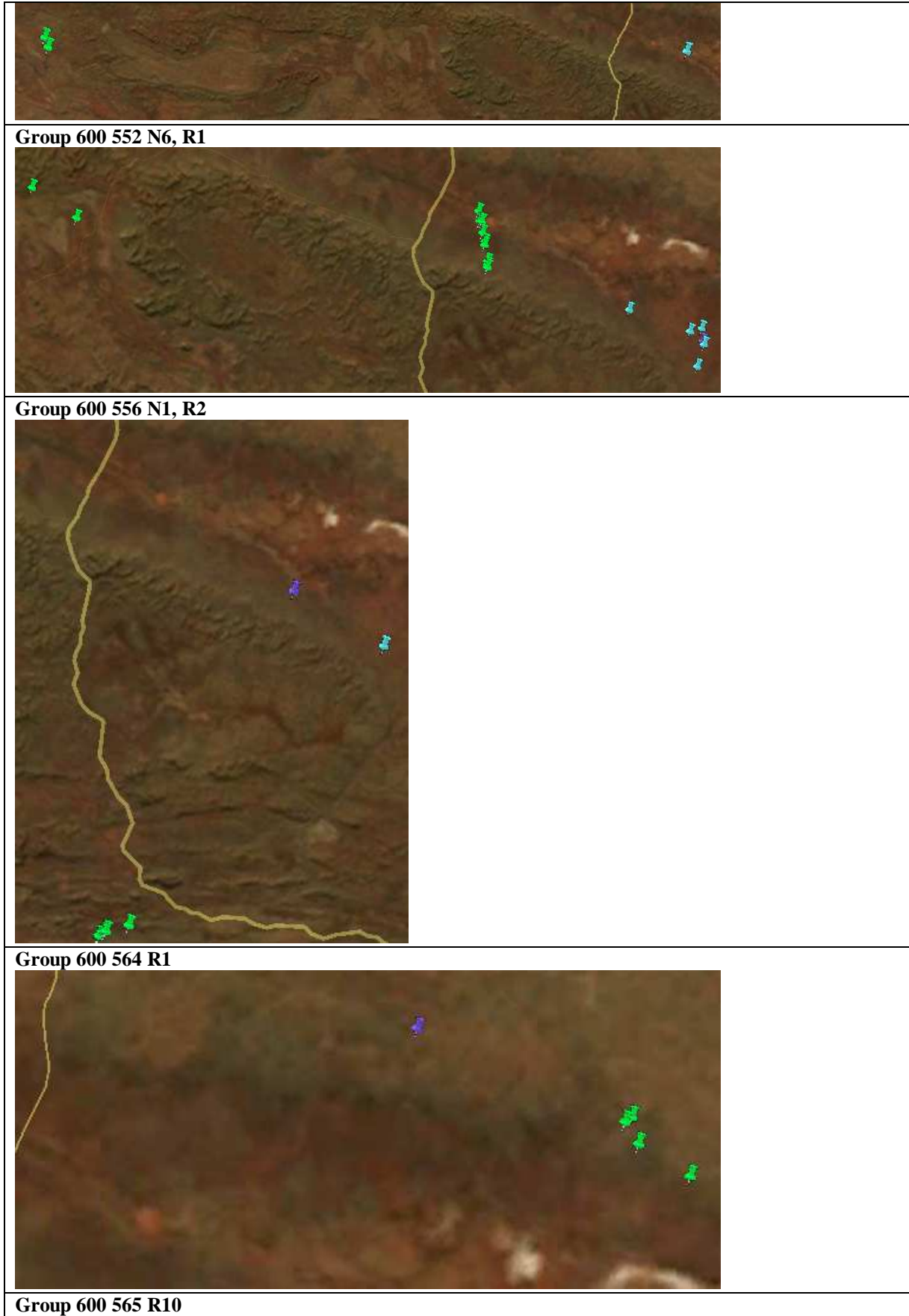


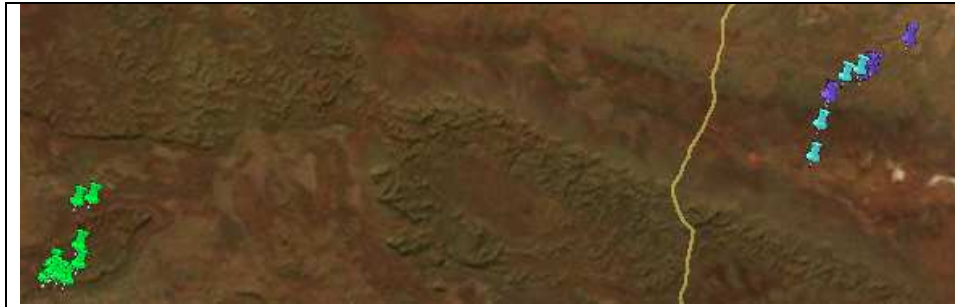
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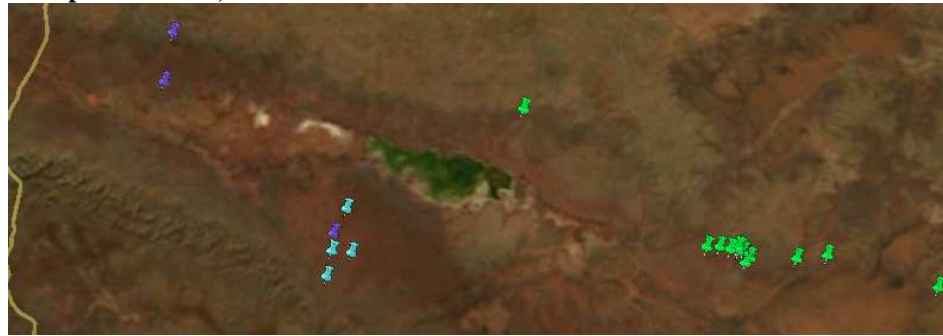
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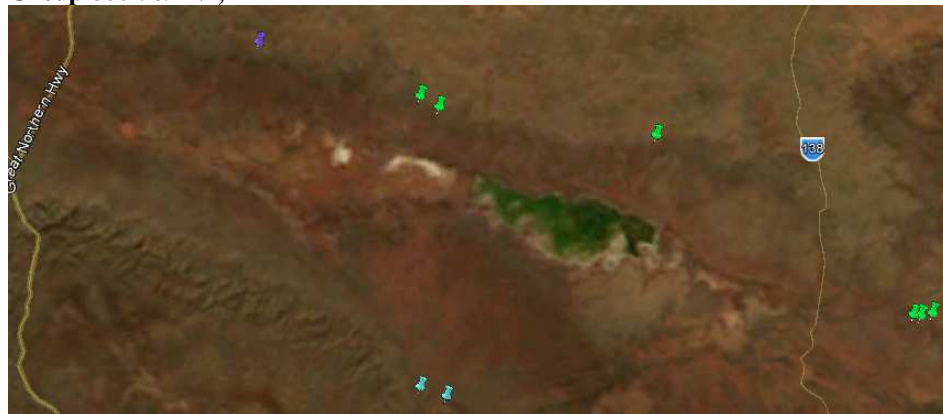
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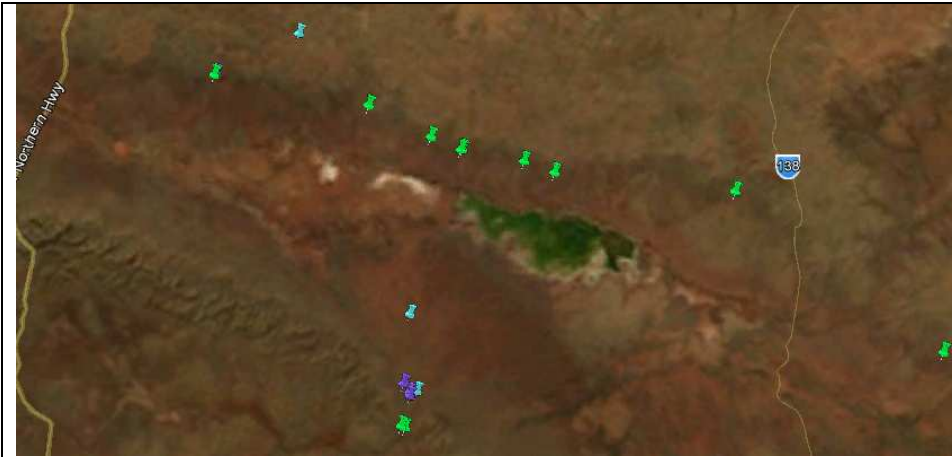
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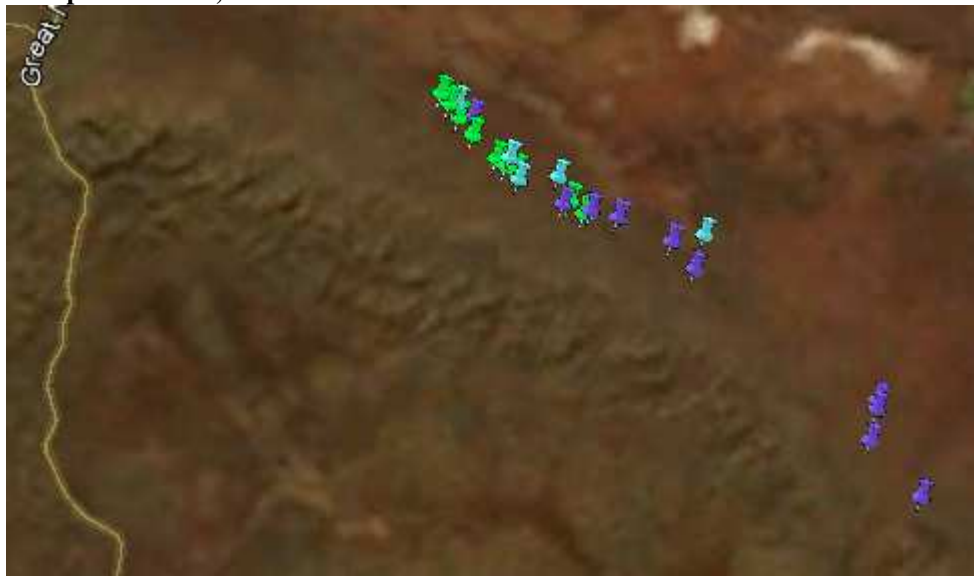
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**Group 600 575 N5, R2**



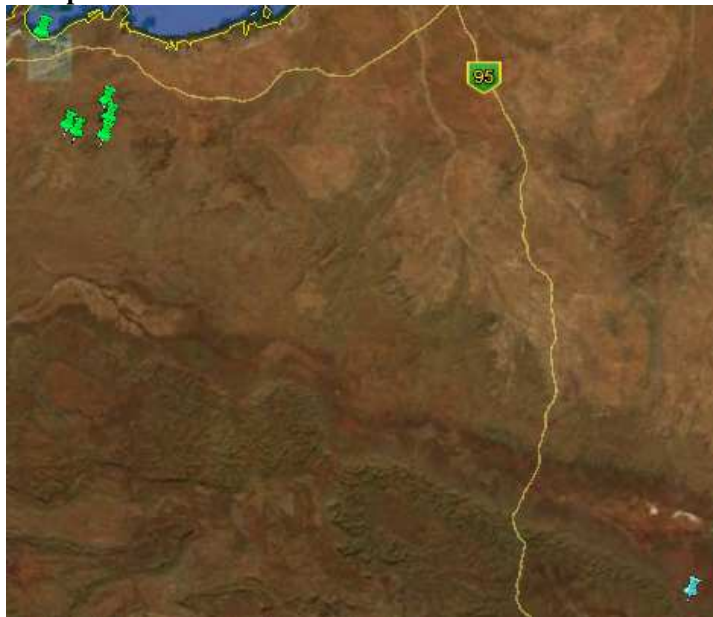
**Group 600 577 N6, R11**



**Group 600 579 R1**



**Group 600 600 N1**





**Appendix 5. List of 600-group units Nyidinghu sites assigned to with occurrence in local physiographic units, number of sites assigned to a unit and relative distance to nearest reference site in the group**

Notes. The distance away of the closest site in the reference data set to a Nyidinghu site assigned to the same 600-group unit is given in degrees in Table 5.

<b>600-group level group of the regional classification</b>	<b>Nyidinghu data group</b>	<b>Physiographic occurrence of Nyidinghu sites</b>	<b>REFERENCE SITES Local or Local &amp; Away or Away or Nearby (If localised or nearby previous sites located on)</b>	<b>Number of sites in Nyidinghu data</b>
020	R4	Chichester Plateau	Away	4
040	R1	Hamersley alluvial, Fortescue Valley	Away	1
043	R1	Chichester Plateau	Away	1
047	R1	Chichester Plateau	Away	1
048	R2	Chichester Plateau	Away	2
054	R1	Chichester Plateau	Away	1
056	R1	Chichester Plateau	Away	1
071	R1, N1	Chichester Plateau, Hamersley alluvial	Away	2
079	R1	Hamersley slopes	Away	1
083	N1	Chichester Plateau, Hamersley slopes	Away	2
104	R1	Chichester Plateau	Away	1
138	R1	Chichester Plateau	Away	1
139	R2	Chichester Plateau	Away	2
141	R1, N2	Weeli Wolli Fan	Away	2
143	R1	Chichester Plateau	Away	1
144	R2	Chichester Plateau	Away	2
147	N12, R9	Weeli Wolli Fan	Away	15
148	N3, R4	Weeli Wolli Fan, Chichester Plateau	Away	5
171	N3	Weeli Wolli Fan, Hamersley slopes	Away	3
182	R1	Weeli Wolli Fan	Away	1
188	R1, N1	Weeli Wolli Fan	Away	1
190	R1	Fortescue Valley	Away	1
193	N1	Hamersley alluvial	Away	1
194	R1	Fortescue Valley	Away	1
196	R1	Weeli Wolli Fan	Away	1
242	R1	Hamersley alluvial	Away	1
247	R1	Chichester Plateau	Away	1
249	N1, R2	Chichester Plateau,	Away	3

		Hamersley slopes		
254	N2, R2	Hamersley alluvial, Fortescue Valley	Away	4
258	N1	Hamersley alluvial	Away	1
259	R2	Chichester Plateau	Away	1
265	R1, N1	Weeli Wollli Fan	Away	1
266	R1	Weeli Wollli Fan	Away	1
267	R1	Chichester Plateau	Away	1
269	R3	Chichester Plateau	Away	3
273	N4, R2	Weeli Wollli Fan, Hamersley alluvial	Away	5
276	N4, R3	Weeli Wollli Fan, Chichester Plateau	Away	5
284	N1?	Weeli Wollli Fan	Away	2
296	N1	Weeli Wollli Fan	Away	1
301	N1, R1	Hamersley slopes, Hamersley alluvial, (edge FV)	Away	2
308	R1	Hamersley alluvial	Away	1
310	R2	Fortescue Valley	Away	2
318	N1, R1	Weeli Wollli Fan	Away	1
324	N1	Weeli Wollli Fan	Away	1
325	N1, R1	Weeli Wollli Fan	Away	1
393	N1	Weeli Wollli Fan	Away	1
414	N1	Weeli Wollli Fan	Away	1
423	N2	Weeli Wollli Fan	Away	2
437	N1	Weeli Wollli Fan	Away	1
456	R1	Chichester slopes	Away	1
484	R3	Fortescue Valley	Away	3
485	N1	Weeli Wollli Fan	Away	1
486	R3	Fortescue Valley	Away	3
550	R1	Hamersley alluvial	Away	1
565	R10	Chichester Plateau, Fortescue Valley, Chichester slopes	Away	10
579	R1	Chichester Plateau	Away	1
600	N1	Weeli Wollli Fan	Away	1
556	N1, R2	Weeli Wollli Fan, Hamersley alluvial	Away -	2
131	N7, R2	Weeli Wollli Fan,	Away (AB)	2
398	N1, R2	Weeli Wollli Fan, Chichester slopes	Away (CP)	3
319	N2	Weeli Wollli Fan	Away - (HS/FV)	2
244	R1	Chichester slopes	Away (of which 1 in Ham St flats)	1
170	R1	Chichester Plateau	Away & Local+ (CP)	1
282	N1, R1	Weeli Wollli Fan, Hamersley slopes	Away & Nearby (CP)	2
333	N1	Hamersley alluvial	Away & Nearby (CP/AP)	1
155	N3, R2	Weeli Wollli Fan	Away & Nearby+ (CS)	4
577	N6, R11	Weeli Wollli Fan, Hamersley alluvial	Close (adjacent)	13
537	R1	Chichester Plateau	Away (HR) & Close (adjacent) &	1
547	R1	Fortescue Valley	Close (adjacent)	1

			(FV)	
473	R2	Chichester Plateau	Close (CP)	2
527	R4	Chichester slopes Chichester Plateau	Close (very) (CP)	4
487	R3	Fortescue Valley	Close (very) (FV)	3
528	N4, R1	Chichester Plateau, Hamersley slopes	Close (very) (HR & CP)	5
529	N2	Hamersley slopes	Close (very) (HS, HR)	2
384	R1, N11,	Weeli Wollli Fan (edge)	Local	10
127	R1	Chichester Plateau	Local (CP)	1
427	N9, R11	Weeli Wollli Fan, Chichester Plateau, Hamersley alluvial, Chichester slopes	Away & Local (1, HA) & Nearby+ (CS)	18
381	N1	Hamersley slopes	Local (close)	1
383	N38, R12	Hamersley alluvial, Hamersley slopes	Local (close)	44
424	N11, R5	Weeli Wollli Fan, Hamersley alluvial	Local (close)	12
433	N2, R3	Weeli Wollli Fan, Chichester slopes	Local (close) (CS)	5
404	N19, R7	Weeli Wollli Fan, Fortescue Valley	Local (close) (FV)	24
385	N4, R7	Weeli Wollli Fan	Local (close) (WWF)	9
160	R1	Chichester Plateau	Local (CP)	1
169	R1	Chichester Plateau	Away & Local (CP)	1
162	R2	Chichester Plateau	Local (CP) & Nearby (AP)	2
406	N1	Weeli Wollli Fan	Local (CS – east)	1
435	N2	Weeli Wollli Fan	Local (CS) & Nearby (CS)	2
397	N2	Weeli Wollli Fan	Away & Local (HS)	2
386	N2	Hamersley alluvial, Hamersley slopes	Local (HS) & nearby+ (AP)	3
379	N16, R4	Weeli Wollli Fan, Hamersley alluvial	Local (WWF, HA) & Nearby (HR)	18
380	N2	Weeli Wollli Fan	Local+ (CS – east)	2
564	R1	Chichester Plateau	Nearby	4
552	N6, R1	Weeli Wollli Fan	Nearby & Away	6
128	R2	Chichester Plateau	Nearby & Local (CP, AP)	2
569	R1, N2	Chichester Plateau, Hamersley slopes	Nearby & Nearby + (CP & CS)	
567	N5, R4	Weeli Wollli Fan, Chichester slopes	Nearby & Nearby + (CS)	7
123	N1	Weeli Wollli Fan,	Nearby (AP)	1
163	R1	Chichester Plateau	Nearby (CP)	1
471	R1	Chichester Plateau	Nearby (CP)	1
568	R2	Chichester Plateau, Chichester slopes	Nearby (CP)	3
575	N5, R2	Weeli Wollli Fan, Chichester Plateau	Nearby (CS & HS)	7
430	N10	Weeli Wollli Fan	Nearby (CS)	10
450	R3	Fortescue Valley, Chichester slopes	Nearby (FV) & Away	3

460	R1	Chichester Plateau	Nearby + (CP)	1
470	R1	Chichester Plateau	Nearby + (CP)	1
431	N2	Hamersley alluvial	Nearby + (CS)	2
508	N1	Weeli Wolli Fan	Nearby+	1
362	R1	Chichester Plateau	Nearby+ (AP)	1
365	R1	Chichester Plateau	Nearby+ (AP)	1
314	N1, R1	Fortescue Valley, Hamersley slopes	Nearby+ (CP/CS)	2
425	N32, R2	Weeli Wolli Fan, Hamersley alluvial, Hamersley slopes	Nearby+ (CS, FV)	32
428	N8, R2	Weeli Wolli Fan	Nearby+ (CS, HS)	7
145	N6	Weeli Wolli Fan	Nearby+ (FV)	5
426	R1, N2	Weeli Wolli Fan	Nearby+ (FV)	2



## Appendix J

Review of Malcolm Trudgen's Regional Floristic Analysis Report for the Nyidinghu Project

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4 April 2012

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Dear Todd and Shaun

## REVIEW OF REGIONAL FLORISTIC ANALYSIS FOR THE NYIDINGHU PROJECT

This letter presents the findings of a review of a report titled "Numerical analysis of floristic data from the Fortescue Metals Group Nyidinghu Project and Nyidinghu Rail areas with comparisons to data from the surrounding Pilbara Bioregion of Western Australia" (the Report") prepared by E.A. Griffin and M.E. Trudgen.

The purposes of this review were to:

- consider the general nature of the regional analysis presented in the Report and confirm whether the methodology used was generally appropriate to achieve the stated purposes of the Report;
- identify any major errors within, or limitations of, the Report; and
- provide a summary of the key findings of the Report in terms of the broader Nyidinghu Project Flora and Vegetation Assessment being prepared by Cardno on behalf of the Fortescue Metals Group.

The findings of this review are as follows.

### Overview

The stated purpose of the Report was to "...investigate the conservation value of the vegetation of areas of the Fortescue Metals Group Nyidinghu and Nyidinghu Rail project areas in the northwest of Western Australia as shown by the floristic composition of stands recorded using quadrats."

The Report provides a useful description of the regional context of the Nyidinghu project area with reference to the Fortescue Botanical Districts of Beard (1975), the Land Systems of Van Vreeswyk et al 2004, the Roy Hill 1:250,000 geology sheet (Thorne and Tyler 1996).

The Report is based primarily on numerical analyses of the floristic data (lists of flora species present in the vegetation recording quadrats) recorded from the Nyidinghu project area, combined in a data set with similar floristic data from earlier studies within the Pilbara bioregion. The data used in the analyses were presence/absence records of individual species within the 430 quadrat Nyidinghu Project data set and the 2,883 quadrat Regional data set.

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The numerical analyses presented in the Report were performed using the PATN (Belbin 1987) numerical classification package, which is suited to this type of project. The numerical analyses focused on defining different levels of floristic units based on their degree of similarity in the presence and absence of the species recorded at the sites placed in each group. Two distinct lines of assessment of the relationship of the Nyidinghu data to the reference classification were presented in the Report:

- firstly agglomerative polythetic classification, which is used to “infer the group a new site belongs to from the groups the existing site(s) it associates with (“joins” to in the dendrogram) belong to”; and
- secondly a nearest neighbours assessment, which is used to “infers the group for a new site from the group associated with the sites in the reference classification with which it has most in common (ie., has the highest similarity to in species present)”.

The Report makes the distinction between “floristic units” and “plant communities” based on structure and dominance, and “vegetation association” which groups together similar plant communities.

The authors of the Report determined that the 600-group level, as defined using agglomerative polythetic classification methods, provided a somewhat similar level of synthesis to the “plant community” and “vegetation association” concepts and as such would be suited for use for environmental impact assessment purposes. The Report also notes that while the 600-group level of the regional analysis is still somewhat arbitrary, many of the sites assigned to a particular group levels have more than similar species lists in common, often having similar species dominance and structure attributes, similar habitats and/or are mostly from the same or similar geology.

## Key Findings

Geomorphology and the underlying geology are major influence on the formation and distribution of the floristic groups found by the classification. Superficially (at the scale of the images), it appears that many of the floristic groups have similar geographic patterns. It is likely that this represents different segments of catenas (also referred to as land units within the land system mapping). In other terms, this represents rapid change in floristic composition over short distances due to differences in soils and habitats.

Overall, the distribution of sites allocated to discrete floristic units by the analysis seems to make sense with some caution needed in the interpretation. The basic problem (as much as data issues) is likely to be that the assignment of the data to only six hundred groups forces too much variation into many of these groups. It seems that when areas (based on geology and physiography) not well sampled in the reference data set are added to the analysis, then new units are encountered. This seems to be the case for the Weeli Wolli alluvial fan, the Fortescue Valley and other such physiographic units in the survey area. Possibly surprisingly it seems to be the case for the Chichester Plateau, which is somewhat better sampled in the reference data set than the Weeli Wolli alluvial fan.

## Implications for the Nyidinghu Project Flora and Vegetation Assessment

The Nyidinghu Project area considered in the Report is different from the area that is the subject of the Nyidinghu Project Flora and Vegetation Assessment which does not include the following areas which were considered part of the Nyidinghu Project area in the Report:

- the Nyidinghu railway route; and
- the northern band of land extending from the southern edge of Fortescue Marsh and southward to Munjina -Roy Hill Road.



As such the findings of the Report as far as they concern the regional conservation significance of floristic groups associated with the Fortescue Valley and the Chichester Plateau physiographic units are of little direct relevance to the Nyidinghu Project Flora and Vegetation Assessment.

The particular findings of the Report of most relevance to the Nyidinghu Project Flora and Vegetation Assessment include the following.

1. *Experience from earlier analyses of Pilbara floristic data and vegetation and flora surveys (e.g. Griffin & Trudgen 2005, 2009a, b, c; Trudgen & Casson 1998; Trudgen and Griffin 2001; Trudgen, Morgan & Griffin 2002) has indicated that the major physiographic units of Beard (1975) have vegetation with largely distinctive floristic composition.*
2. *These significant differences in the vegetation of the physiographic units of Beard (1975) imply that they are a reasonable component of the context for the assessment of conservation values for vegetation in the Pilbara Bioregion. That is, they can (with an appropriate modest degree of caution) be used as boundaries to make conservation assessments. However, it must be appreciated that these features are not uniform and within them there are many subdivisions. Where the subdivisions (for example, the Chichester slopes or the Weeli Wolli alluvial fan) have obvious correlation to vegetation differences, it is appropriate to use them.*
3. *While the broad scale geomorphology of the area of interest undoubtedly has important connotations for assessing its conservation value for vegetation (as discussed above), this will not be fully relied upon in this report, as knowledge of the level of restriction of individual vegetation types to these physiographic areas is not detailed enough at this time to do so. The appropriate methodology is to use the physiographic information at a broad level and then look at other data to test this and to provide information at a lower level.*
4. *The Weeli Wolli alluvial fan (and to some unknown level the Fortescue River alluvial fan) has a significant diversity of floristic types not found in the 2,8883 site reference data set. While it is obvious that five of these types were not in the reference data because it did not sample the Weeli Wolli alluvial fan, it does not take away from the fact that these units are restricted to the alluvial fan and for the other three largely restricted to it in the available data.*
5. *The logical conclusion is that the Weeli Wolli alluvial fan has quite high floristic diversity in the vegetation that occurs in it and that a significant portion of this variation is likely to be restricted to it, or to it and the adjoining Fortescue River alluvial fan.*
6. *The conclusion is that the Hamersley Escarpment has relatively low floristic diversity in the vegetation that occurs on it in the Nyidinghu area and little of the variation is likely to be restricted to the Nyidinghu area. However, it should be noted that there are relatively few sites from the Escarpment in the Nyidinghu data set, which contributes to the lower diversity compared to the Weeli Wolli alluvial fan.*

Given the above, it will be necessary for the Nyidinghu Project Flora and Vegetation Assessment to give particular consideration to the scale of the impacts that will occur to the diversity of floristic units that are represented on the Weeli Wolli alluvial fan. However, given the diversity of floristic groups identified in the Report for the Weeli Wolli alluvial fan (i.e. eight units from the 50-group level of the Nyidinghu Project local classification or fifty units from the 600-group level regional reference classification) it may not be possible to accurately map the distribution of these floristic units across the Weeli Wolli alluvial fan with confidence using existing available data. Rather an assessment of the impact of the Nyidinghu Project upon the floristic units present within the Weeli Wolli alluvial fan may need to be carried out at the physiographic unit level and be based primarily on the:

- the extent of the Weeli Wolli alluvial fan (approx. 60-70,000 hectares); and
- the proportion of that area that would be affected by the Nyidinghu Project.

Consideration of the likely similarities between the floristic units associated with Weeli Wolli alluvial fan and adjacent Fortescue River alluvial fan should also be recognised as part of any such impact assessment.

The limitation of such an impact assessment method is that it would effectively assume that the “impact” area is representative of the Weeli Wolli alluvial fan as a whole and the impact on each individual floristic unit and on the overall diversity of floristic units would be directly proportional to the area to be impacted. This assumption could potentially be tested, to an extent, using the Nyidinghu Project site classifications presented in the Report to obtain an indication of the spread of floristic units within and outside of the impact area. The utility of such an analysis may however be limited by the small number of sites that some floristic units are represented by, particularly at the 600-group level of regional classification. Nevertheless such an analysis may provide meaningful results if carried out using the floristic units derived from the from the 50-group level local classification.

A similar analysis could be carried out to assess, at a regional level, the significance of the Nyidinghu Project impacts on the regional floristic units associated with the Hamersley Escarpment.

## Report Limitations

The Report appropriately recognises the inherent limitations associated with the data and analytical methods used.

The quality of the figures and maps presented in the Report could be improved by including clear demarcation of features and boundaries that are referred to in the figure/map legend or associated text. For example:

- the utility of Map 2 could be enhanced by showing the locations of the sites on Map 2 rather than referring the reader to Map 1d;
- the utility of Figure 7 could be enhanced by showing the approximate boundaries of the Weeli Wolli Creek and Fortescue River alluvial fans and the Nyidinghu Project area; and
- the utility of Figure 5 could be enhanced by showing the boundaries of the physiographic units which form the basis of the conservation assessment presented in Section 5.2 of the Report.

The quality of the maps/figures and the degree of confidence with which inferences can be drawn is further diminished by several apparent/potential errors in the cross-referencing of maps/figures within the Report. For example:

- at page 27 there is a reference to Map 2 which is not correct; and
- at page 59 there is a reference to Figure 8 which is not correct.

The Report would benefit from a clear description of the association between the primary physiographic units relied upon in the Conservation Assessment (Section 5.0) and the geomorphological units referred to previously in Figure 1a-y.

The Report would be enhanced by the inclusion of statistics concerning the regional extents of the primary physiographic units relied upon in the Conservation Assessment (Section 5.0).

Section 5.2.2.1 finishes with an incomplete sentence.

There is also a reference on page 18 of the Report to “Solomon Project and Investigator Project Area” which is not relevant to the purpose of the Report.

Should you have any queries regarding the above please do not hesitate to contact me to discuss same.

Yours faithfully

John Delaney  
Principle Ecologist  
for Cardno