

**Rhodes Ridge
Native Vegetation Clearing Permit
Flora, Vegetation and Fauna Report
April 2022**

Prepared for
Rio Tinto



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Rhodes Ridge Native Vegetation Clearing Permit Flora, Vegetation and Fauna Report

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Rio Tinto




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Abbreviations

Abbreviation	Definition
°C	Degrees Celsius
Astron	Astron Environmental Services
<i>aff.</i>	with affinity to
BAM Act	<i>Biosecurity and Agriculture Management Act 2007</i>
BC Act	<i>Biodiversity Conservation Act 2016</i>
BoM	Bureau of Meteorology
CE	Critically Endangered
DBCA	Department of Biodiversity, Conservation and Attractions
EN	Endangered
EPBC Act	<i>Environment Protection and Biodiversity Conservation Act 1999</i>
EPA	Environmental Protection Authority
ESA	Environmentally Sensitive Area
GDA94	Geocentric Datum of Australia 1994
GDE	Groundwater Dependent Ecosystem
GPS	Global Positioning System
ha	Hectares
IBRA	Interim Biogeographic Regionalisation for Australia
km	Kilometres
MGA50	Map Grid of Australia
mm	Millimetres
MNES	Matters of National Environmental Significance
NVCP	Native Vegetation Clearing Permit
P	Priority
PDWSA	Public Drinking Water Source Area
PEC	Priority ecological community
Rio Tinto	Rio Tinto Iron Ore
S	Schedule
<i>sp.</i>	Species (singular)
<i>spp.</i>	Species (plural)
<i>subsp.</i>	Subspecies
SM	Song Meter
SRE	Short Range Endemic
T	Threatened
TEC	Threatened ecological community
TPFL	Threatened and Priority Flora Database (administered by Department of Biodiversity, Conservation and Attractions)
VU	Vulnerable
WA Herbarium	Western Australian Herbarium
WoNS	Weeds of National Significance

Executive Summary

Rio Tinto Iron Ore is currently undertaking exploration activities at Rhodes Ridge utilising existing Native Vegetation Clearing Permits. As the clearing limits on these permits have nearly been allocated, a new Native Vegetation Clearing Permit (NVCP) application is required to facilitate ongoing activities.

Astron Environmental Services has been conducting a two phase Detailed flora and vegetation survey and two-phase Detailed fauna survey across a greater survey area at Rhodes Ridge (110,745 ha), as commissioned by Rio Tinto in 2019. This greater area wholly encompasses the Rhodes Ridge NVCP survey area. The survey area is located approximately 30 km north-west of Newman in Western Australia and represents a total of 42,823.7 ha.

Thirty-seven vegetation units were recorded in the survey area, none of which represent a threatened ecological community. Two priority ecological communities (PECs) may be represented by vegetation recorded in the survey area. Vegetation unit D12 may represent the 'Coolibah - Lignum Flats: sub type 1' priority 3 PEC and covers 1.0 ha (0.03%) of the survey area. Vegetation unit P15 may represent the 'West Angelas Cracking-Clays' priority 1 PEC and covers 76.1 ha (0.2%) of the survey area. Vegetation units P5, P13 and P16 (totalling 8.0% of the survey area) are cracking clay units that are limited in local distribution, but are not characteristic of the 'West Angelas Cracking-Clays' priority 1 PEC.

Additionally, vegetation unit P1 (10.8% of the survey area) represents a banded mulga community and vegetation units P8, P9 and P8/P9 Mosaic (20.0% of the survey area) represent hard pan mulga communities which are considered hydrologically important due to sheet flow across these habitats. Vegetation unit D13 (0.03% of the survey area) is likely to represent a Groundwater Dependent Ecosystem and occurs on a restricted habitat. Vegetation unit H20 (0.09% of the survey area) represents small calcrete rises amongst the clay plains and is limited in distribution within the Pilbara region. Vegetation unit D19 (0.4% of the survey area) is a drainage line habitat that contains the recently described species *Paranotis* sp. Pilbara (H. Ajduk HAOP04a) P1. P18 is a hardpan clay plain that surrounds the D19 drainage line and may provide sheet flow into the D19 drainage line. Both vegetation units are also characterised by *Eremophila galeata* which is at the northern extent of its distribution in the survey area.

The other recorded vegetation units are considered well represented beyond the survey area and do not support assemblages of species that are unique, located on restricted landforms, or of high conservation significance.

Vegetation condition ranged from Excellent to Poor. An estimated 41.7% of the survey area was rated as Excellent condition, while 54.8% was considered to be in Very Good condition. Areas devoid of vegetation, such as tracks and drill pads, were rated as Completely Degraded and covered 2.9% of the survey area.

There were 580 confirmed vascular flora species from 60 families and 196 genera recorded in the survey area. The most represented families were Poaceae and Fabaceae. The floristic diversity was considered representative of the region. Ephemeral and annual flora may be underrepresented due to two sub-optimal rainfall events in the first two years of survey. No threatened flora were recorded during the survey and based on the results of the desktop assessment no threatened flora are expected to occur.

Twenty State listed priority flora species were recorded during the current survey within the survey area: *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1, *Aristida lazardis* P2, *Euphorbia inappendiculata* var. *inappendiculata* P2, *Hibiscus* sp. Gurinbidy Range (M.E. Trudgen MET 15708) P2, *Ipomoea racemigera* P2, *Isotropis parviflora* P2, *Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2, *Acacia*

subtiliformis P3, *Aristida jerichoensis* var. *subspinulifera* P3, *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3, *Euphorbia australis* var. *glabra* P3, *Glycine falcata* P3, *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) P3, *Indigofera gilesii* P3, *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3, *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3, *Swainsona thompsoniana* P3, *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3, *Themeda triandra*/sp. Hamersley Station (M.E. Trudgen 11431) (potential P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) P3 and *Goodenia nuda* P4. A further six priority flora species (*Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) P1, *Teucrium pilbaranum* P2, *Rostellularia adscendens* var. *latifolia* P3, *Xerochrysum boreale* P3, *Acacia bromilowiana* P4 and *Lepidium catapycnon* P4) have been recorded within the survey area from previous surveys (Rio Tinto 2019a). Of the 41 significant flora taxa returned from database search results that have not been recorded within the survey area, none are considered to have the potential to occur within the survey area post-survey.

The survey area was considered to have a relatively low impact from weeds which may be due to the majority of the survey area not being covered by pastoral leases. However, weed distribution, abundance and diversity may be underrepresented in the survey area due to two sub-optimal rainfall seasons.

Eight broad fauna habitats were recorded in the survey area: Low Hills and Slopes, Clay Plain, Mulga Woodland, Stony Plain, Rocky Hill, Minor Drainage, Gorge/Gully and Breakaway. None of these habitat types are restricted to the survey area and are well represented in surrounding areas, and throughout the Pilbara region.

One-hundred and eighty-three fauna species, comprising four amphibians, 70 reptiles, 80 birds and 29 mammals were recorded within the survey area. This included two fauna species of significance; the Ghost Bat (*Macroderma gigas*) (VU;VU), and the Western Pebble-mound Mouse (*Pseudomys chapmani*) (P4).

The Ghost Bat was recorded via acoustic recordings, scats recorded in diurnal and/or nocturnal feeding caves, and one individual sighted in a diurnal roosting cave. Records occurred within Breakaway and Gorge/Gully habitat, with acoustic recordings indicating a general, low-density presence within the survey area. Six Ghost Bat roost caves were recorded within the survey area, comprising of one Category 3 roost cave with occasional occupancy, and five Category 4 nocturnal roost caves with opportunistic usage. None of these caves are considered individually significant to the long-term persistence of the species.

Ghost Bats have also been recorded previously at six abandoned mine adits of significance within the survey area. Monitoring studies have shown that five of these adits are regularly being used as diurnal roosts (Category 2 and Category 3) by Ghost Bats, and three show occasional usage by an additional significant species the Pilbara Leaf-nosed Bat (*Rhinonictis aurantia*) (VU; VU).

The Western Pebble-mound Mouse was recorded from 33 pebble-mounds (26 active, seven inactive) within Low Hills and Slopes, Rocky Hill, and Stony Plain habitats of the survey area. These habitats are widespread and common within the vicinity of the survey area and the wider Pilbara region.

Ten additional significant fauna species were considered to have a high post-survey likelihood of occurrence within the survey area based on recent and historical records within the surrounding area, and the presence of suitable habitat; Northern Quoll (*Dasyurus hallucatus*) (EN; EN), Pilbara Olive Python (*Liasis olivaceus barroni*) (VU; VU), Pilbara Barking Gecko (*Underwoodisaurus seorsus*) (P2), *Lerista macropisthopus remota* (P2), *Anilius ganei* (P1), Fork-tailed Swift (*Apus pacificus*) (Mi; Mi), Letter-winged Kite (*Elanus scriptus*) (P4), Peregrine Falcon (*Falco peregrinus*) (OS), Grey Falcon (*Falco hypoleucos*) (VU), and Oriental Plover (*Charadrius veredus*) (Mi; Mi).

None of these species are likely to be reliant on any habitats present within the survey area and if present, are likely to utilise the survey area mainly as foraging and dispersal habitat. The habitats suitable for these species are widespread and common throughout the Pilbara region and the proposal is unlikely to affect their conservation status.

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Appendix M: Vascular Flora Species List and Site by Species Matrix

Appendix N: Conservation Significant Flora Locations and Descriptions

Appendix O: Introduced Flora Species Locations and Descriptions

Appendix P: Fauna Habitat Mapping, Site Locations and Significant Fauna Locations

1 Introduction

1.1 Project Background

Rio Tinto Iron Ore (Rio Tinto) is currently undertaking exploration activities at Rhodes Ridge utilising existing Native Vegetation Clearing Permits (NVCP). As the clearing limits on these permits have nearly been allocated, a new NVCP application is required to facilitate ongoing activities.

Astron Environmental Services (Astron) was engaged by Rio Tinto to undertake a flora, vegetation and fauna assessment for the Rhodes Ridge NVCP application area, approximately 30 km north-west of Newman in the Pilbara region of Western Australia (Figure 1). The Rhodes Ridge NVCP application area represents a total of 42,823.7 ha and is herein referred to as the 'survey area'.

Astron has been conducting a two phase Detailed flora and vegetation survey and two-phase Detailed fauna survey across a greater survey area at Rhodes Ridge (110,745 ha), as commissioned by Rio Tinto in 2019 (Rio Tinto Iron Ore 2018a, 2018b). This greater area wholly encompasses the Rhodes Ridge NVCP application area.

This assessment summarises the existing flora, vegetation and fauna field survey data collected by Astron since 2019, along with previous biological survey data, to provide a flora, vegetation and fauna report of sufficient standard to support an external NVCP application.

1.2 Scope and Objectives

In order to undertake further mineral exploration, hydrogeological and geotechnical investigations, and associated activities in the survey area, Rio Tinto requires a biological assessment to support a NVCP application.

The objective of the assessment was to support and inform the environmental assessment process in accordance with the requirements of the Environmental Protection Authority (EPA). The survey results will also provide information against the Department of Environment Regulation's 10 Clearing Principles.

Specifically, the scope of work was to undertake a:

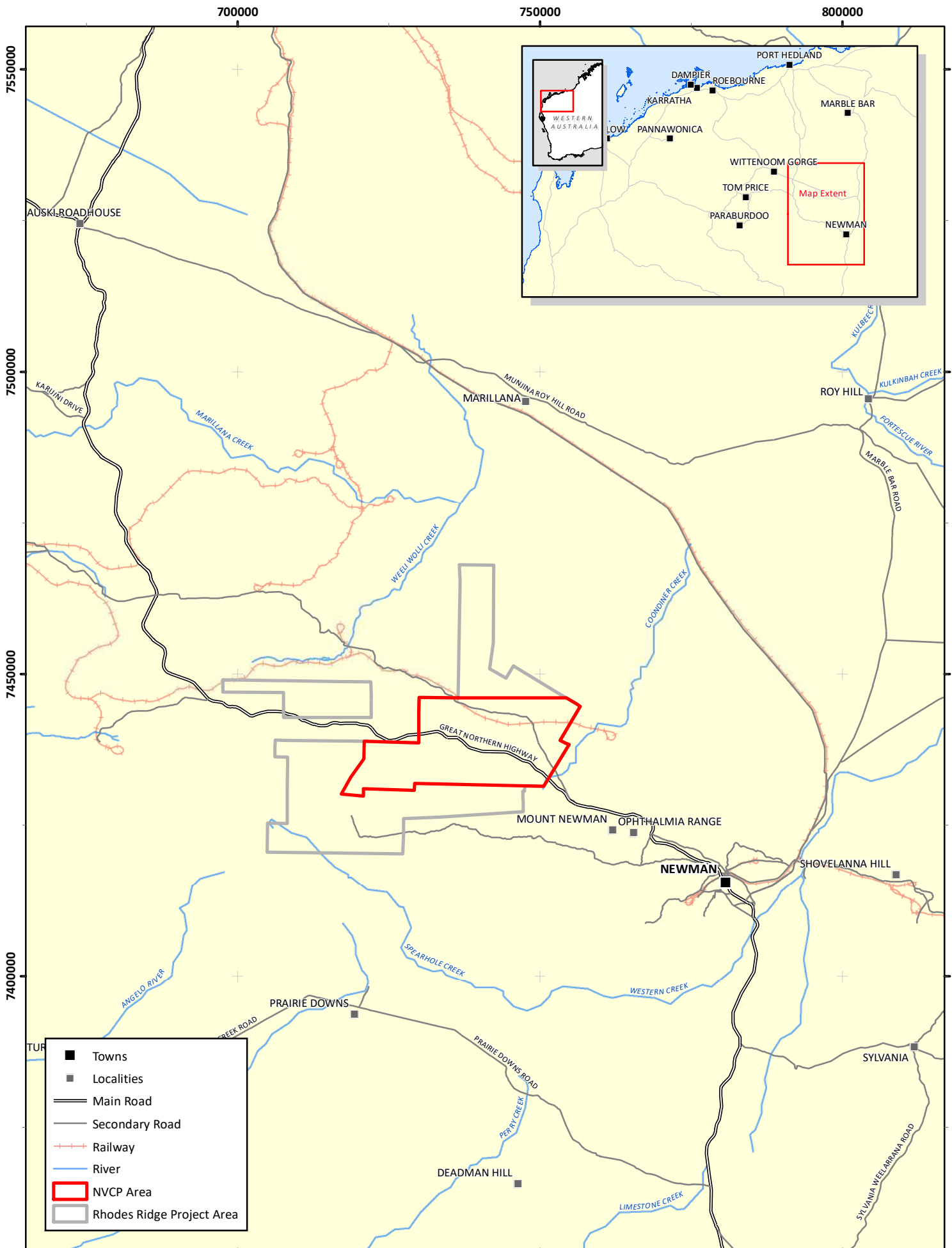
- desktop assessment, including database searches and literature review of available contextual and project related resources
- two-phase vegetation and flora assessment, including:
 - assessment of quadrats (pegged) and relevés representing an estimated 2,500 m² to determine vegetation units and their spatial representation
 - vegetation unit and condition mapping using relevé information, mapping notes and observations of disturbance within the survey area
 - assessment of the significance of any vegetation units and the identification of 'significant areas', as consistent with Rio Tinto Data Standards (2021a)
 - targeted searches for the presence of threatened (T) and priority (P) flora, weeds and vegetation of significance
 - generation of a vascular flora species list for the survey area
 - a revision of the likelihood of potentially occurring conservation listed species within the survey area

- two-phase fauna survey, including:
 - a map of broad fauna habitat types presented in a figure over aerial photography and provided in digital format, consistent with Rio Tinto Data Standards (2021a)
 - a list of vertebrate fauna (grouped by family) recorded within the survey area
 - threatened and priority fauna species locations, and habitat utilisation recorded within the survey area
 - a revision of the likelihood of potentially occurring conservation listed species within the survey area
 - assessment of the significance of any habitat recorded, including the identification of any 'significant areas' (habitats and microhabitats), consistent with Rio Tinto Data Standards (2021a).

The survey conformed to the regulatory guidance documents as listed in Table 1. Section 3.4 provides more detail on the limitations of the survey.

Table 1: Summary of Astron’s vegetation, flora and fauna assessment in the survey area.

Level of survey	Survey area size	Survey timing	Relevant regulatory guidance documents	Key survey limitations
<p>Detailed and targeted flora and vegetation survey</p> <p>Detailed and targeted vertebrate fauna surveys</p>	<p>42,823.7 ha (survey area)</p>	<p>May 2019 to October 2021</p>	<ul style="list-style-type: none"> • EPA Position Statement No. 3 (Environmental Protection Authority 2002) • EPA Guidance Statement No. 51 (Environmental Protection Authority 2004) • Technical Guidance – Flora and Vegetation Surveys for Environmental Impact (Environmental Protection Authority 2016a). • Technical Guidance – Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessments (Environmental Protection Authority 2020) • EPBC Act Referral Guidelines for the Endangered Northern Quoll <i>Dasyurus hallucatus</i> (Department of the Environment and Energy 2016) • Interim Guidelines for Preliminary Surveys of the Night Parrot (<i>Pezoporus occidentalis</i>) in Western Australia (Department of Parks and Wildlife 2017) • Survey Guidelines for Australia’s Threatened Reptiles, Birds, Mammals and Bats Technical Guidance - Sampling Methods for Terrestrial Fauna (Department of the Environment, Water, Heritage and the Arts 2010a, 2010b, Department of Sustainability Environment Water Population and Communities 2011a, 2011b) <p>Other relevant guidance documents:</p> <ul style="list-style-type: none"> • Pilbara Northern Quoll Project: Surveying and Monitoring <i>Dasyurus hallucatus</i> in the Pilbara, Western Australia (Dunlop et al. 2014) 	<ul style="list-style-type: none"> • Seasonal conditions for the first two years of survey were considered poor (2019) and average (2020), respectively. However, 75.3% of sites were surveyed/rescored during above-average post-wet season sampling in 2021.



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure 1: Survey area location



Author: L. Dadour	Date: 15-12-2021
Drawn: C. Dyde	Figure Ref: 14200-001-21-BIDR-1Reva_211215_Flora_Fig1_Locn

Datum: GDA 1994 - Projection: MGA Zone 50

2 Environmental Context

2.1 Climate

The climate of the Pilbara region of Western Australia is classified as arid tropical with two distinct seasons: a hot, wet summer (October – April) and a mild, dry winter (May – September) (Bureau of Meteorology 2021) (Figure 2).

Based on long-term climatic data from the nearest Bureau of Meteorology (BoM) weather station at Newman Aero (Station 007176) (approximately 60 km south-east of the survey area) the mean annual rainfall since 1971 is 320.3 mm. The mean maximum daily temperatures since 1996 range between 23.0°C and 39.3°C, and exceed 30°C for much of the year (Bureau of Meteorology 2021).

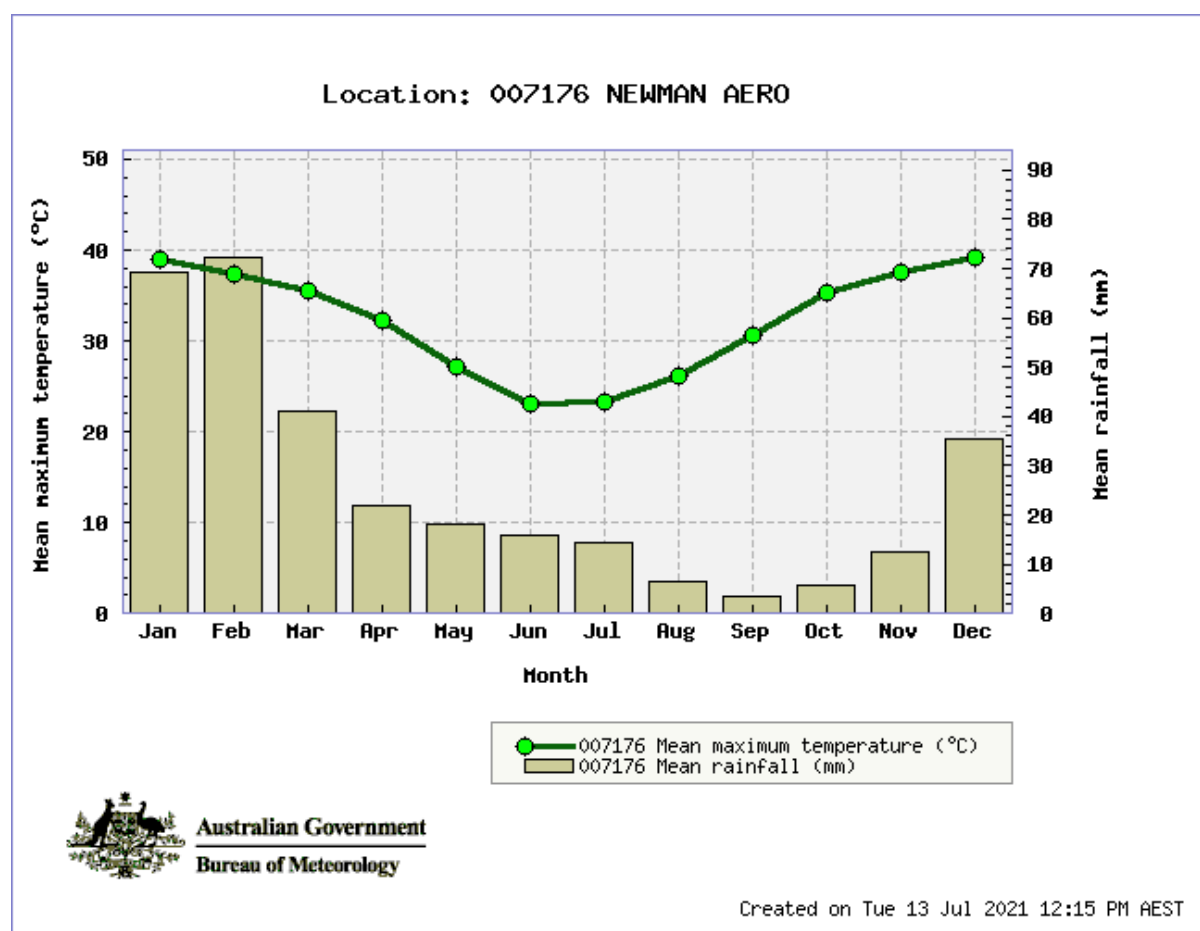


Figure 2: Climate data for Newman Aero Station (Station 007176). Mean annual rainfall data has been calculated from 1971 – 2021 and mean maximum temperature has been calculated from 1996 – 2021 (Bureau of Meteorology 2021).

2.2 Geology

The surface geology of the survey area is comprised of eight units (Stewart et al. 2008), with colluvium 38491 the dominant geological unit across the survey area (Table 2). Geological mapping of the survey area and surrounds is presented in Figure A.1 (Appendix A).

Table 2: Geological units of the survey area (Stewart et al. 2008).

Geological name	Label	Area within survey area (ha) (%)
Colluvium 38491: colluvium, sheetwash, talus; gravel piedmonts and aprons over and around bedrock; clay-silt-sand with sheet and nodular kankar; alluvial and aeolian sand-silt-gravel in depressions and broad valleys in Canning Basin; local calcrete, reworked laterite.	Qrc	22,590.5 (52.8%)
Marra Mamba Iron Formation: Chert, ferruginous chert, jaspilite, banded iron-formation, minor shale, siltstone, mudstone.	Achm	6,299.4 (14.7%)
Brockman Iron Formation: Banded iron-formation, chert, mudstone and siltstone.	Lchk	5,323.3 (12.4%)
Mount McRae Shale and Mount Sylvia Formation: Interbedded shale, chert, banded iron-formation.	Ashm	3,578.8 (8.4%)
Ferruginous duricrust 38498: Pisolithic, nodular or vuggy ferruginous laterite; some lateritic soils; ferricrete; magnesite; ferruginous and siliceous duricrusts and reworked products, calcrete, kaolinised rock, gossan; residual ferruginous saprolite.	Czl	2,749.4 (6.4%)
Jeerinah Formation: Shale, sandstone, siltstone, mudstone, dolomite, local microbanded chert, jaspilite, conglomerate; fine-grained massive rhyolite; mafic tuff with local accretionary lapilli and agglomerate; thin basalt/dolerite and andesitic basalt flows.	Awfj	931.4 (2.2%)
Weeli Wollie Formation: Banded iron-formation (commonly jaspilitic), mudstone, siltstone; common interlayered metadoleritic sills.	Lchw	845.1 (2.0%)
Fortescue Group – mafic intrusions: Metadolerite, dolerite, gabbro; medium to coarse grained, massive grey-green rock, usually foliated	Adf	505.8 (1.2%)

The survey area is mapped as soil landscape zone 285 – Hamersley Plateaux in the Fortescue Province (Tille 2006). The Hamersley Plateaux soil unit is described as hills and dissected plateaux with some stony plains and hardpan wash plains on volcanic and sedimentary rocks. It is comprised predominantly of stony soils with red shallow loams and some red-brown non-cracking clays and red loamy earths (Tille 2006).

2.3 Surface Water and Hydrology

The survey occurs within the ‘Fortescue River Upper’ catchment. No Wetlands of International Importance (i.e. Ramsar wetlands) or Nationally Important Wetlands occur within, or in the vicinity of, the survey area (Department of the Environment and Energy 2017a, 2017b). The nearest Nationally Important Wetland is Fortescue Marshes, located approximately 40 km north of the survey area.

No major rivers occur in the survey area. However, a number of ephemeral creeks intersect, including tributaries of the Fortescue River to the north.

2.4 Biological Environment

2.4.1 Interim Biogeographic Regionalisation of Australia

The Interim Biogeographic Regionalisation for Australia (IBRA version 7) divides the Australian continent into 89 bioregions and 419 subregions. The survey area occurs in the Pilbara bioregion, of

which 5% to 10% is represented in the national reserve system (Department of Agriculture, Water and the Environment 2020).

The project area occurs within the Hamersley subregion of the Pilbara bioregion (Department of Conservation and Land Management 2002). This subregion is described as:

- **Hamersley PIL3** – dissected bold plateaux and ranges of flat lying, moderately folded sandstone and quartzite with vegetation described as Mulga low woodland over tussock grasses occurring on fine textured soils in valley floors, with scattered Snappy gum (*Eucalyptus leucophloia*) over *Triodia brizoides* on skeletal soils of the ranges (Kendrick 2001).

2.4.2 Land Systems

Land systems of the Western Australian rangelands have been mapped and described by the Department of Agriculture and Food (now the Agriculture and Food Sector of the Department of Primary Industries and Regional Development Western Australia) outlining the distributions and providing comprehensive descriptions of biophysical resources, including soil and vegetation condition. A total of 102 land systems occur in the Pilbara bioregion covering 181,723 km². Seven land systems occur in the survey area, with Newman being the most dominant and accounting for approximately 31% of the survey area (Table 3). The distribution of these land systems within the survey area is shown in Figure A.2 (Appendix A).

Table 3: Distribution of land systems within the survey area and Pilbara bioregion (van Vreeswyk et al. 2004).

Land system	Total area within Pilbara bioregion (ha)	Total area within survey area (ha) (%)	Proportion of land system within survey area (%)
Newman - rugged jaspilite plateaux, ridges and mountains with hard spinifex.	1,994,339.5	13,387.0 (31.3%)	0.7
Wannamunna - Hardpan plains and internal drainage tracts supporting mulga shrublands and woodlands and occasionally eucalypt woodlands.	63,004.1	12,535.9 (29.3%)	19.9
Spearhole - Gently undulating gravelly hardpan plains and dissected slopes supporting groved mulga shrublands and hard spinifex.	132,535.2	7,957.5 (18.6%)	6.0
Boolgeeda - stony lower slopes and plains below hill systems supporting hard and soft spinifex grasslands and mulga shrublands.	961,847.1	6,260.4 (14.7%)	0.7
Rocklea - Basalt hills, plateaux, lower slopes and minor stony plains supporting hard spinifex and occasionally soft spinifex grasslands with scattered shrubs.	2,880,288.3	2,073.9 (4.8%)	<0.1
Platform - Dissected slopes and raised plains supporting shrubby hard spinifex grasslands.	236,389.9	569.6 (1.3%)	0.2
Egerton - Highly dissected plains and slopes with sparse mulga shrublands or shrubby hard spinifex grasslands.	66,849	39.4 (0.1%)	0.1

2.4.3 Pre-European Vegetation

Pre-European vegetation was mapped across the Pilbara region at a scale of 1:1,000,000 (Beard 1975a). The survey area is located in the Hamersley Plateau physiographic unit (Figure A.3, Appendix A) and is described by Beard (1975a) as:

Hamersley Plateau: a compact unit defined by the outcropping of jaspilite and dolomite, with some shale, siltstone and volcanics. Vegetation is described as:

- ranges – tree steppe of *Eucalyptus brevifolia* (likely to represent *E. leucophloia*) over *Triodia wiseana* hummock grasslands
- valley plains – mulga (*Acacia aneura* complex) low woodlands, or tussock grasslands on cracking clay soils
- basalt hills – mosaic of mulga low woodland and *Acacia pyrifolia* and *Triodia* species shrub steppe.

Four pre-European vegetation units: 18, 29, 82 and 175 (Shepherd et al. 2002) are associated with the survey area (Table 4 and Figure A.3, Appendix A). Vegetation unit 82 is dominant within the survey area and is characterised as low tree-steppe.

Table 4: Extent of pre-European vegetation in the survey area (Department of Biodiversity, Conservation and Attractions 2018, Department of Primary Industries and Regional Development 2019a).

Vegetation association (Shepherd et al. 2002)	Mapping unit (Beard 1975)	Description	Extent in survey area (ha) (%)	Current extent in Pilbara bioregion (ha)	Pre-European extent (ha)	Proportion of pre-European extent remaining (%)	Pre-European extent with formal protection (%)
82	e16Lr t3Hi	Hummock grasslands, low tree steppe; snappy gum over <i>Triodia wiseana</i> . Hummock grassland with scattered bloodwoods & snappy gum, <i>Triodia</i> spp., <i>Corymbia dichromophloia</i> , <i>Eucalyptus leucophloia</i> .	11,861.7 (27.7%)	2,550,899	2,563,583	99.5	10.6
175	xGc	Short bunch grassland - savanna/grass plain (Pilbara). Annual grasses <i>Enneapogon</i> spp. <i>Aristida</i> spp. etc on dry plains and salt water grasses <i>Sporobolus virginicus</i> on the coast.	11,342.7 (26.5%)	507,467	507,860	99.9	4.4
18	a1 Li	Low woodland; mulga (<i>Acacia aneura</i>) and associated species.	10,437.8 (24.4%)	672,424	676,557	99.4	16.8
29	a1Lp	Sparse low woodland; mulga, discontinuous in scattered groups, and associated species.	9,181.5 (21.4%)	1,132,939	1,133,220	99.9	1.9

2.4.4 State and Commonwealth Conservation Categories and Management

Commonwealth and State regulatory authorities maintain databases of the locations and conservation status of significant flora, fauna and ecological communities in Western Australia.

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) provides a legal framework to protect and manage Matters of National Environmental Significance (MNES) including listed flora, fauna and ecological communities. These listed flora, fauna and ecological communities are allocated a conservation category, which are outlined in Tables B.1 and B.2 (Appendix B).

Ecological communities may be subject to processes that threaten to destroy or significantly modify it across much of its range. These communities are identified as threatened ecological communities (TECs) and are listed at both Commonwealth level under the EPBC Act and State level under the *Biodiversity Conservation Act 2016* (BC Act) (Table B.3, Appendix B). The Department of Biodiversity, Conservation and Attractions (DBCA) maintains a list of priority ecological communities (PECs), which may also be under threat and are assigned one of four priority rankings according to the criteria outlined in Table B.4 (Appendix B).

In addition to these protections, Environmentally Sensitive Areas (ESAs) are declared by the Minister for Environment under Section 51B of the *Environmental Protection Act 1986* to prevent incremental degradation of important environmental values such as threatened flora, TECs or significant wetlands.

Under Western Australian legislation, all native flora is protected, and it is an offence to ‘take’ protected flora. The BC Act also provides for native flora to be gazetted as threatened (T) or extinct. Under the BC Act threatened species may be listed as one of three categories: critically endangered (CE), endangered (EN) or vulnerable (VU) (Table B.5, Appendix B). In addition, due to the diversity of Western Australia’s flora, many species are known from only a few collections or locations but have not been adequately surveyed. Such flora may be threatened but cannot be considered for declaration as threatened flora until adequate surveys have been undertaken. These flora species are included on a supplementary conservation list managed by DBCA called the *Priority Flora List* (Table B.6, Appendix B).

Under Western Australian legislation, all native fauna is protected, and it is an offence to ‘take’ protected fauna. The BC Act also provides for native fauna species to be specially protected when they are considered rare, threatened with extinction, or have a high conservation value (Table B.5, Appendix B). In addition, due to the diversity of Western Australia’s fauna, many species are known from only a few collections or locations but have not been adequately surveyed. Such fauna may be rare or threatened but cannot be considered for declaration as threatened fauna until adequate surveys have been undertaken. These fauna species are included on a supplementary conservation list managed by DBCA called the *Priority Fauna List*. Priority fauna are categorised according to level of threat and other information and the conservation categories are described in Table B.6 (Appendix B).

2.4.5 Introduced Flora

Significant weed species are identified at both the state and national level. The Australian Weeds Strategy (Natural Resource Management Ministerial Council 2006) identifies Weeds of National Significance (WoNS) which have the potential to impact primary industry and/or environmental and social values. The management of weeds in Western Australia is primarily regulated through the *Biosecurity and Agriculture Management Act 2007* (BAM Act), with some provision under the BC Act. Species listed under this act are allocated one of three declared pest categories which define the required level of management (Department of Primary Industries and Regional Development 2019b).

Declared pest categories and listed weed species' priority ratings are presented in Table B.7 (Appendix B).

2.5 Land Use, Tenure and Conservation Reserves

The survey area resides on unallocated crown land, with temporary allocation to Hamersley Resources Limited. The nearest pastoral stations are ex Marillana Station 15 km to the north and Prairie Downs Station 26 km to the south. Karijini National Park is the nearest conservation reserve, and is approximately 54 km east of the survey area (Department of Biodiversity, Conservation and Attractions 2020).

2.6 Environmentally Sensitive Areas

No ESAs intersect with the survey area. The Fortescue Marshes Ramsar site is located 40 km to the north of the survey area. The Hamersley Range National Park (1977 boundary) (now recognised as Karijini National Park) was listed on the Register of the National Estate and therefore declared as an ESA. The National Park is located 57 km from the survey area (Department of the Environment and Energy 2008), however, the Register of the National Estate is no longer recognised as a statutory list (Department of Agriculture, Water and the Environment 2021a).

3 Methods

3.1 Desktop Assessment

3.1.1 Database Searches

Database searches were conducted to identify listed significant ecological communities and fauna and flora species within, or in close proximity to, the survey area. Search results are presented in Appendix C and details are summarised in Table 5. Conservation categories for ecological communities, fauna and flora are presented in Appendix B. The Department of Primary Industries and Regional Development Western Australian Organisms List and the WoNS list (Australian Weeds Committee 2012) were consulted to identify weeds of National and/or State significance. Introduced flora and fauna categories are presented in Appendix B.

Table 5: Database searches requested.

Database name	Date search results received	Search focus	Search area
Protected Matters Search Tool (Department of Agriculture, Water and the Environment 2021b)	26/10/2021	MNES - flora and fauna	50 km radius from an approximate survey area centre point, defined by the coordinates: 23°08'54" S, 119°19'46" E
Threatened and Priority Ecological Communities database (Department of Biodiversity, Conservation and Attractions 2021a)	29/10/2021	Listed threatened and priority ecological communities	50 km radius surrounding the survey area boundary (shapefiles provided).
Threatened and Priority Flora Database (TPFL) (Department of Biodiversity, Conservation and Attractions 2021b)	28/10/2021	Threatened and priority flora	50 km radius surrounding the survey area boundary (shapefiles provided).
Western Australian Herbarium Database (Department of Biodiversity, Conservation and Attractions 2021c)			
Threatened and Priority Fauna Database (Department of Biodiversity, Conservation and Attractions 2021d)	08/11/2021	Threatened and priority fauna	50 km radius surrounding the survey area boundary (shapefiles provided).
<i>NatureMap</i> (Department of Biodiversity, Conservation and Attractions 2021e)	26/10/2021	Flora and terrestrial fauna of conservation significance	50 km radius from an approximate survey area centre point, defined by the coordinates: 23°08'54" S, 119°19'46" E.
Birdlife Database (Birdlife Australia 2018)	26/10/2021	Bird species	20 km radius from an approximate survey area boundary.
Rio Tinto Database (Rio Tinto 2021b) customised search	17/11/2021	Threatened and priority flora and fauna	40 km radius surrounding survey area boundary (shapefiles provided).

3.1.2 Literature Review

3.1.2.1 Flora and Vegetation

Eight reports were considered the most appropriate for thorough review and inclusion in the desktop assessment due to their currency, relevancy and proximity to the survey area. These include:

- Rhodes Ridge Flora, Vegetation and Fauna Habitat Assessment (Rio Tinto 2017)
- Flora, Vegetation and Fauna Habitat Assessment at Ophthalmia (Rio Tinto 2016a)
- Spearhole and Giles South Access Tracks Rare Flora Survey (AR-13-12110) (Eco Logical Australia 2014)
- Rhodes Ridge, AR-13-11926 Vegetation, Flora and Fauna Survey (Astron Environmental Services 2014a)
- Hope Downs 2 AR-13-11444 and Bakers East SO-13-11013 Biological Assessment (Astron Environmental Services 2014b)
- Greater West Angelas Vegetation and Flora Assessment (Ecologia Environment 2013)
- Flora and Vegetation of Hope Downs 4, Rhodes Ridge Drilling and Eagle Road Re-alignment Areas (Mattiske Consulting 2010)
- Flora and Vegetation on the Hope Downs 4 Mine Pipeline Corridor to Ophthalmia Dam (Mattiske Consulting 2009).

Astron is also currently undertaking a multiple phase Detailed flora and vegetation survey of the greater Rhodes Ridge project area, as commissioned by Rio Tinto. At the commencement of this NVCP report, Astron had conducted a two-phase survey over a portion of the greater Rhodes Ridge area, including 23 field visits from 2019-2021. Portions of the Greater Rhodes Ridge dataset that occur outside of the current NVCP survey area were reviewed as part of the current desktop assessment:

- Rhodes Ridge unpublished dataset for Rio Tinto (Astron Environmental Services 2021a).

3.1.2.2 Fauna

Fauna surveys have been previously commissioned by Rio Tinto within the vicinity of the survey area and were supplied to Astron for the desktop assessment. Supplied reports, other relevant publicly available reports and datasets reviewed as part of this assessment included:

- Astron Environmental Services internal database
- Hope Downs 2 Proposal Fauna Survey (Astron Environmental Services 2020a)
- Hope Downs 2 Proposal Matters of National Environmental Significance Fauna Assessment (Astron Environmental Services 2020b)
- Rhodes Ridge, AR-13-11926 Vegetation, Flora and Fauna Survey (Astron Environmental Services 2014a)
- Rio Tinto, Rhodes Ridge Project, Pilbara WA, Acoustic Monitoring of Ghost Bat Activity, July 2018 to June 2020 (Bat Call WA 2020a)
- Greater West Angelas Terrestrial Fauna Assessment (Ecologia Environment 2014)
- Report for Expansion of Rhodes Ridge Camp Area Flora and Fauna Assessment (GHD 2008)

- A Vertebrate Fauna Survey of the Proposed Hope Downs 4 Infrastructure Corridor Option 1 Near Newman Western Australia (Ninox Wildlife Consulting 2009a)
- A Vertebrate Fauna Survey of the Proposed Hope Downs 4 Infrastructure Corridor Option 6 Near Newman Western Australia (Ninox Wildlife Consulting 2009b)
- Level 2 Vertebrate Fauna Survey for the Wonmunna Iron Ore Project (Phoenix Environmental Sciences 2014)
- SM2 deployment at Giles Mini Adits, August & September 2015 (Rio Tinto 2016c)
- Ghost Bats at Rhodes Ridge JV tenements, July to August 2018 (Rio Tinto 2019b)
- Flora, Vegetation and Fauna Habitat Assessment at Ophthalmia (Rio Tinto 2016b)
- Rhodes Ridge Flora, Vegetation and Fauna Habitat Assessment (Rio Tinto 2017).

Astron is also currently undertaking a multiple phase Detailed (Level 2) fauna survey of the greater Rhodes Ridge project area, as commissioned by Rio Tinto. At the commencement of this report, Astron had conducted 19 field visits between 2019 and present (end of 2021). The results from these Rhodes Ridge surveys that occur outside of the current NVCP survey area, were reviewed as part of the current desktop assessment:

- Rhodes Ridge unpublished dataset for Rio Tinto (Astron Environmental Services 2021a)
- Rhodes Ridge Project Matters of National Environmental Significance Fauna and Habitat Assessment (Astron Environmental Services 2020c)
- Rhodes Ridge Targeted Northern Quoll Fauna Assessment May – September 2021 (Astron Environmental Services 2021b).

3.1.3 Likelihood of Occurrence

3.1.3.1 *Vegetation and Flora*

The 43 PECs listed by DBCA for the Pilbara region (Department of Biodiversity, Conservation and Attractions 2021f) were reviewed to determine if any were analogous with ecological communities previously recorded in the survey area, or were characterised by landforms or habitat considered to have potential to occur, based on interpretation of aerial imagery and the results of the literature review.

Prior to conducting the field survey, aerial imagery was interpreted to identify potential habitat types. The significant flora species returned from the database searches were then categorised according to the criteria in Table 6 for potential occurrence within the survey area.

Table 6: Pre-survey criteria used to assess the likely presence of significant flora in the survey area.

Likelihood of occurrence	Pre-survey
Likely	Taxa previously recorded within the survey area or within 10 km of the survey area and suitable habitat appears to be present in the survey area
Potential	Taxa previously recorded within 10 km to 20 km of the survey area and/or suitable habitat appears to be present in the survey area
Unlikely	No suitable habitat appears to be present in the survey area
Previously Recorded	Taxa previously recorded within the survey area

Following the field survey, the significant flora species identified during the desktop assessment as having the highest potential to occur within the survey area, yet were not recorded during the current survey, were again assessed to determine their likelihood of occurrence within the survey area. Post-field survey likelihood of occurrence was primarily based on validating the presence (and thorough inspection) of suitable habitats within the survey area, combined with life form, habit and flowering information for each flora species.

3.1.3.2 Fauna

Significant fauna species returned from these database searches were categorised pre- and post-survey according to the criteria in Table 7 for likelihood of occurrence within the survey area. All information was tabulated with categories of likelihood based on the interpretation of Astron environmental scientists experienced with Pilbara fauna and habitats.

Table 7: Criteria used pre- and post-survey to assess the likely presence of conservation significant fauna in the survey area.

Likelihood of occurrence	Pre-survey	Post-survey
Recorded	N/A	Species or evidence of species recorded during survey.
High	Species has been recorded within the survey area or within 20 km of the survey area and preferred habitat appears to be present.	Core or preferred habitats present in the survey area which are abundant and/or high-quality condition. OR Species is known to be cryptic and may not have been detected despite adequate survey effort and suitable habitat present within the survey area. OR Species or evidence of species recorded within the survey area however doubt remains over the taxonomic identification, validity of record.
Moderate	Species has not been recorded from within the survey area, however species has been recorded within the prescribed database search area and suitable habitat appears to be present.	Core or highly suitable habitats present in the survey area, however non-cryptic species that was not detected despite adequate survey effort. OR Core or preferred habitats present in the survey area are mainly in poor or modified condition.

Likelihood of occurrence	Pre-survey	Post-survey
Low	Species recorded from within the prescribed database search area, but suitable habitat does not appear to be present.	Species has not been recorded in the survey area despite adequate survey effort. OR Species dependent on specific habitats that do not occur in the survey area. OR Species considered locally extinct.

3.2 Field Survey

3.2.1 Weather

Daily observations for rainfall were recorded by Rio Tinto at the Hope Downs 4 Weather Station. Long-term mean rainfall observations, as well as daily and long-term mean maximum temperatures were sourced from the Newman Aero Bureau of Meteorology station (number 007176), approximately 60 km south-east of the survey area. Rainfall recorded in the three months prior to the initial survey (June 2019) was 19.8% (65 mm) below the long-term mean for the same period. Rainfall recorded in the 12 months prior to the initial survey was 50.8% (155.3 mm) below the annual long-term mean (Figure 3).

Rainfall recorded in the three months prior to the first 2020 survey (February 2020) was 62.3% (153.3 mm) above than long-term mean for the same period. Due to COVID-19 disruptions there was a four month gap before surveys resumed in June 2020; rainfall in this period was approximately 40% (60 mm) below the long-term average. Rainfall recorded in the 12 months prior to February 2020 was 40% (87.3 mm) below the annual long-term mean (Figure 4).

Rainfall recorded in the three months prior to the first 2021 survey (March 2021) was 191.7% (162.2 mm) higher than the long-term mean for the same period. Rainfall recorded in the 12 months prior to March 2021 was 128.8% (90.8 mm) above the annual long-term mean (Figure 5).

Monthly means of maximum daily temperatures within months when surveys were performed ranged from 21.1°C (June 2021) to 38.9°C (November 2019). These maximum temperatures are comparable to long-term temperatures (mean June maximum temperature of 23.1°C; mean November maximum temperature of 39.2°C) (Bureau of Meteorology 2021).

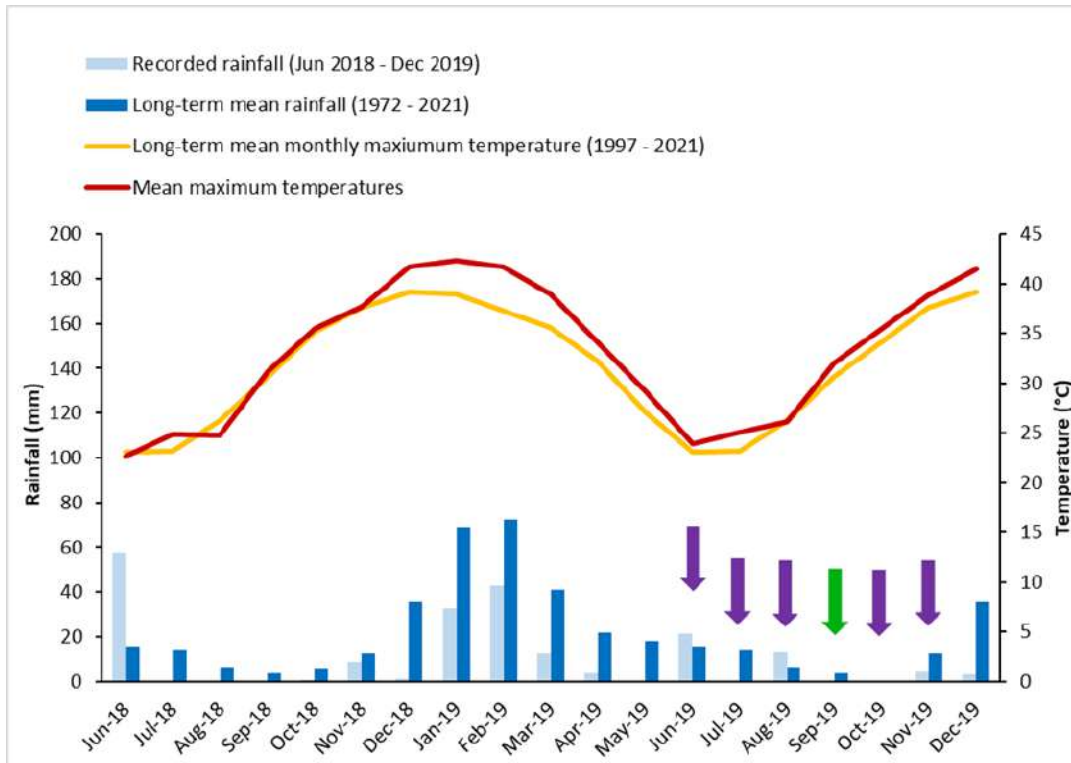


Figure 3: Mean monthly and recorded monthly rainfall (mm) and mean monthly maximum and minimum temperatures (°C) (June 2018 to December 2019). Daily records for rainfall supplied by Rio Tinto and long term rainfall records and temperature records supplied by the Bureau of Meteorology from the Newman Aero station (number 007176) (Bureau of Meteorology 2021). Purple arrow indicates flora and fauna survey timing and green indicates flora survey timing.

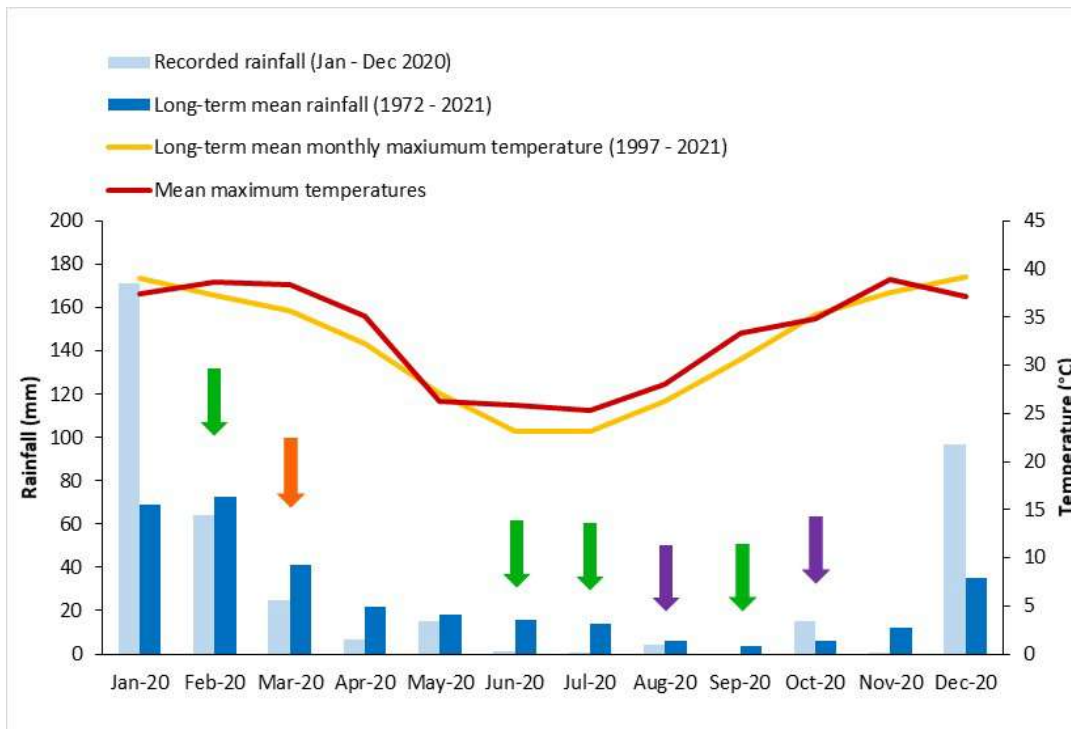


Figure 4: Mean monthly and recorded monthly rainfall (mm) and mean monthly maximum and minimum temperatures (°C) (January 2020 to December 2020). Daily records for rainfall supplied by Rio Tinto and long term rainfall records and temperature records supplied by the Bureau of Meteorology from the Newman Aero station (number 007176) (Bureau of Meteorology 2021). Purple arrow indicates flora and fauna survey timing, orange indicates fauna survey timing and green indicates flora survey timing.

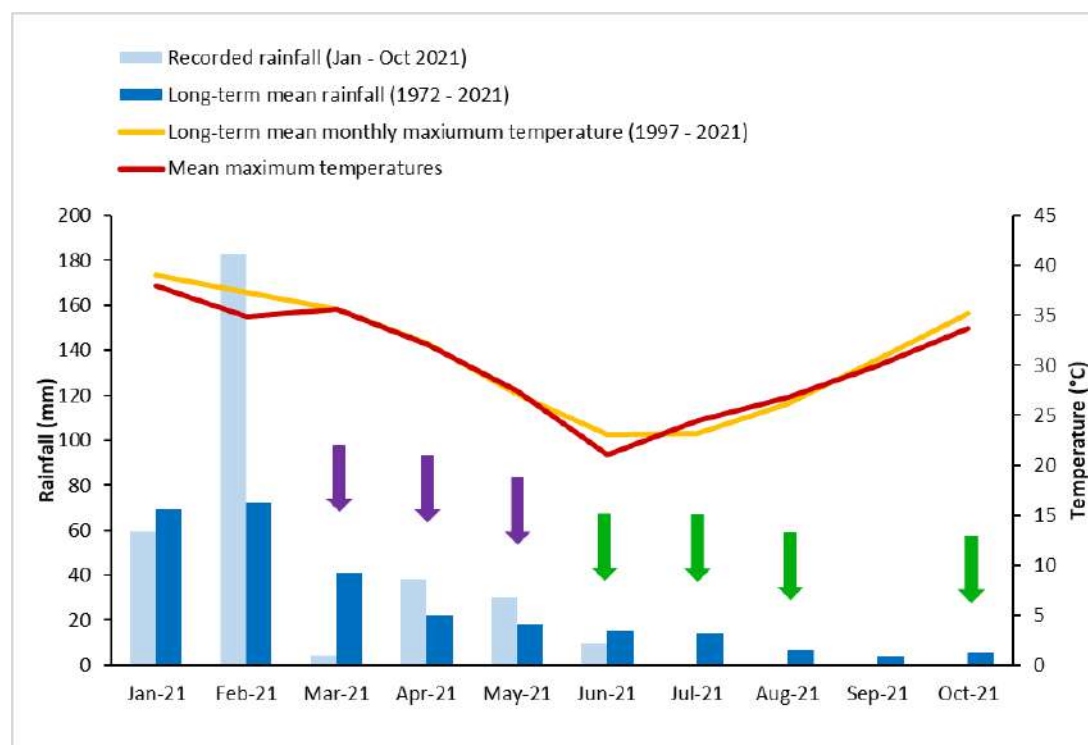


Figure 5: Mean monthly and recorded monthly rainfall (mm) and mean monthly maximum and minimum temperatures (°C) (January 2021 to October 2021). Daily records for rainfall supplied by Rio Tinto and long term rainfall records and temperature records supplied by the Bureau of Meteorology from the Newman Aero station (number 007176) (Bureau of Meteorology 2021). Purple arrow indicates flora and fauna survey timing and green indicates flora survey timing.

3.2.2 Flora and Vegetation Survey

The flora and vegetation survey was completed in accordance with the relevant EPA guidance documents:

- Technical Guidance - Flora and Vegetation Surveys (Environmental Protection Authority 2016a)
- Environmental Factor Guideline - Flora and Vegetation (Environmental Protection Authority 2016b)

Astron is conducting a multiple phase Detailed flora and vegetation survey across the greater Rhodes Ridge area, as commissioned by Rio Tinto. This greater area wholly encompasses the current survey area. The current survey is comprised of unpublished data from the greater area (Astron Environmental Services 2021a) and data from the following reports:

- Bakers Syncline 19 - Vegetation, Flora and Fauna Survey, September 2019 (Astron Environmental Services 2019a)
- Rhodes Ridge - Targeted Flora Survey, July/August 2019 (Astron Environmental Services 2019b)
- Rhodes Ridge – Targeted Flora Survey, August 2019 (Astron Environmental Services 2019c)
- Rhodes Ridge - Priority Flora Searches, June 2021 (Astron Environmental Services 2021c)
- Rhodes Ridge - Priority Flora Searches, March 2021 (Astron Environmental Services 2021d)
- Rhodes Ridge - Priority Flora Searches, August 2020 (Astron Environmental Services 2020d)
- Rhodes Ridge Cracking Clays Survey, February 2020 (Astron Environmental Services 2020e).

Survey effort completed within the current survey area is summarised in Table 8 and methods detailed below.

Table 8: Flora and vegetation survey effort within the survey area.

Dates	Personnel (Flora Permit)	Survey effort within the survey area
11 to 16 June 2019	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (SL012244) Ben Eckermann (SL012249) 	<ul style="list-style-type: none"> Reconnaissance field visit Five mapping notes taken Targeted searches for priority flora
3 to 12 July 2019	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (SL012244) Lucy Dadour (SL012252) Botanists: <ul style="list-style-type: none"> Celia Mitchell (FB62000077) Anna Funnekotter (SL012527) 	<ul style="list-style-type: none"> 50 quadrats and 1 relevé established 18 mapping notes taken Targeted searches for priority flora
29 July to 7 August 2019	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (SL012244) Ben Eckermann (SL012249) Botanists: <ul style="list-style-type: none"> Anna Funnekotter (SL012527) Palitha Jayasekara (SL012538) 	<ul style="list-style-type: none"> Systematic targeted survey for threatened and priority flora One mapping note taken
19 to 30 August 2019	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (SL012244) Ben Eckermann (SL012249) Lucy Dadour (SL012252) Botanists: <ul style="list-style-type: none"> Anna Funnekotter (SL012527) Celia Mitchell (FB62000077) Holly Poole (FB62000078) 	<ul style="list-style-type: none"> Systematic targeted survey for threatened and priority flora
13 to 24 September 2019	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (SL012244) Ben Eckermann (SL012522) Botanists: <ul style="list-style-type: none"> Linda Vaughan (SL012518) Celia Mitchell (FB62000077) 	<ul style="list-style-type: none"> 38 quadrats and nine relevés established 122 mapping notes taken Targeted searches for priority flora
7 to 18 October 2019	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (SL012244) Bethea Loudon (FB62000049) Botanists: <ul style="list-style-type: none"> Anna Funnekotter (SL012527) Celia Mitchell (FB62000077) 	<ul style="list-style-type: none"> 49 quadrats and seven relevés established 18 mapping notes taken Targeted searches for priority flora
7 to 15 November 2019	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (SL012244) Ben Eckermann (SL012522) Botanists: <ul style="list-style-type: none"> Jean Dorrington (SL012545) Celia Mitchell (FB62000077) 	<ul style="list-style-type: none"> 15 quadrats established Three mapping notes taken Targeted searches for priority flora

Dates	Personnel (Flora Permit)	Survey effort within the survey area
21 to 27 February 2020	Senior Botanist: <ul style="list-style-type: none"> Hayden Ajduk RTIO (FB62000091) Botanist: <ul style="list-style-type: none"> Anna Funnekotter (FB62000213) 	<ul style="list-style-type: none"> Eight quadrats were installed in cracking clay vegetation Targeted searches for priority flora
16 to 26 June 2020	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (FB62000219) Bethea Loudon (FB62000049) Botanists: <ul style="list-style-type: none"> Celia Mitchell (FB62000077) Palitha Jayasekara (FB62000208) 	<ul style="list-style-type: none"> 19 quadrats and one relevé established Seven mapping notes taken Targeted searches for priority flora
14 to 24 July 2020	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (FB62000219) Pierre-Louis de Kock (FB62000034) Botanists: <ul style="list-style-type: none"> Anna Funnekotter (FB62000213) Celia Mitchell (FB62000077) 	<ul style="list-style-type: none"> 10 quadrats established Four mapping notes taken Targeted searches for priority flora
28 July to 7 August 2020	Senior Botanists: <ul style="list-style-type: none"> Ben Eckermann (FB62000212) Lucy Dadour (FB62000216) Botanists: <ul style="list-style-type: none"> Markus Mikli (FB62000207) Palitha Jayasekara (FB62000208) 	<ul style="list-style-type: none"> One quadrat established Two mapping notes taken Targeted searches for priority flora
11 to 14 August 2020	Senior Botanists: Kellie McMaster (FB62000219) Pierre-Louis de Kock (FB62000034) Botanist: <ul style="list-style-type: none"> Anna Funnekotter (FB62000213) 	<ul style="list-style-type: none"> Systematic targeted survey for threatened and priority flora
22 September to 2 October 2020	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (FB62000219) Pierre-Louis de Kock (FB62000034) Botanists: <ul style="list-style-type: none"> Holly Poole (FB62000078) Jean Dorrington (FB62000206) 	<ul style="list-style-type: none"> Three quadrats established
12 to 22 October 2020	Senior Botanists: <ul style="list-style-type: none"> Ben Eckermann (FB62000212) Pierre-Louis de Kock (FB62000034) 	<ul style="list-style-type: none"> Six quadrats established 17 mapping notes taken Targeted searches for priority flora
2 to 12 March 2021	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (FB62000219-2) Lucy Dadour (FB62000216) Botanists: <ul style="list-style-type: none"> Jean Dorrington (FB62000206-2) Holly Poole (FB62000078) 	<ul style="list-style-type: none"> 10 quadrats rescored

Dates	Personnel (Flora Permit)	Survey effort within the survey area
18 to 28 March 2021	Senior Botanists: <ul style="list-style-type: none"> Bethea Loudon (FB62000049) Samantha Stapleton Botanist: <ul style="list-style-type: none"> Celia Mitchell (FB62000077) Environmental Scientist: <ul style="list-style-type: none"> Emalyn Loudon 	<ul style="list-style-type: none"> One relevé established 35 quadrats and one relevé rescored Targeted searches for priority flora
22 to 28 March 2021	Senior Botanist: <ul style="list-style-type: none"> Roger Dharmarajan (FB62000028-3) Botanists: <ul style="list-style-type: none"> Holly Poole (FB62000078) Markus Mikli (FB62000207) 	<ul style="list-style-type: none"> Systematic targeted survey for threatened and priority flora
7 to 17 April 2021	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (FB62000219-2) Roger Dharmarajan (FB62000028-3) Botanist: <ul style="list-style-type: none"> Holly Poole (FB62000078) Environmental Scientist: <ul style="list-style-type: none"> Emalyn Loudon 	<ul style="list-style-type: none"> 38 quadrats and one relevé rescored Targeted searches for priority flora
22 to 27 April 2021	Senior Botanists: <ul style="list-style-type: none"> Janelle Atkinson Roger Dharmarajan (FB62000028-3) Botanists: <ul style="list-style-type: none"> Celia Mitchell (FB62000077) Holly Poole (FB62000078) 	<ul style="list-style-type: none"> 23 quadrats and one relevé rescored
6 to 16 of May 2021	Senior Botanists: <ul style="list-style-type: none"> Lucy Dadour (FB62000216-2) Bethea Loudon (FB62000049) Botanist: <ul style="list-style-type: none"> Markus Mikli (FB62000207-2) Environmental Scientist: <ul style="list-style-type: none"> Rowan Murless 	<ul style="list-style-type: none"> One quadrat established One quadrat rescored
21 to 31 May 2021	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (FB62000219-2) Roger Dharmarajan (FB62000028-3) Botanists: <ul style="list-style-type: none"> Celia Mitchell (FB62000077) Holly Poole (FB62000078) 	<ul style="list-style-type: none"> 26 mapping notes taken 53 quadrats rescored Targeted searches for priority flora
9 to 13 June 2021	Senior Botanists: <ul style="list-style-type: none"> Kellie McMaster (FB62000219-2) Bethea Loudon (FB62000049) 	<ul style="list-style-type: none"> Systematic targeted survey for threatened and priority flora
7 to 15 July 2021	Senior Botanist: <ul style="list-style-type: none"> Kellie McMaster (FB62000219-2) Botanists: <ul style="list-style-type: none"> Celia Mitchell (FB62000077) Markus Mikli (FB62000207-2) Holly Poole (FB62000078) 	<ul style="list-style-type: none"> 24 quadrats and 14 relevés rescored

Dates	Personnel (Flora Permit)	Survey effort within the survey area
3 to 10 August 2021	Senior Botanists: <ul style="list-style-type: none"> • Kellie McMaster (FB62000219-2) • Roger Dharmarajan (FB62000028-3) Botanists: <ul style="list-style-type: none"> • Celia Mitchell (FB62000077) • Markus Mikli (FB62000207-2) 	<ul style="list-style-type: none"> • 13 quadrats rescored • Targeted searches for priority flora
11 to 21 October 2021	Senior Botanists: <ul style="list-style-type: none"> • Kellie McMaster (FB62000219-2) • Lucy Dadour (FB62000216-2) 	<ul style="list-style-type: none"> • Verification of vegetation mapping assessment conducted • Two quadrats rescored • 10 mapping notes taken • Targeted searches for priority flora

Pre-survey planning involved the examination of 1:10,000 scale aerial photography to identify potential landforms, habitat and vegetation units.

A total of 219 sites were surveyed, comprising 200 quadrats and 19 relevés. Of these, 171 sites (168 quadrats and three relevés), were surveyed over two phases including a post-wet season survey and dry season survey. An additional 29 quadrats and 14 relevés were surveyed over two dry seasons, as there was not sufficient time and resources available to undertake all of the rescoring required in the one post wet season. There were three sites (two quadrats and one relevé) surveyed in only one phase of survey in the dry season. The two quadrat sites were not resurveyed in the 2021 post-wet as they were burnt by fire in early 2021 and the one relevé was not rescored as it had been partially cleared by drilling activity in the area. Two sites (one quadrat and one relevé) were surveyed in only one phase of survey in the post wet season survey in 2021 (Table 9). A map showing quadrat and relevé locations and season of survey is presented in Figure E.1, Appendix E.

Quadrats (pegged) and relevés (unpegged) were used to describe the vegetation structure throughout the survey area and compile a flora species list. These sites sampled an area of approximately 2,500 m² each.

The following information was collected for each quadrat and relevé:

- Location – coordinates measured using a handheld global positioning system (GPS) unit (MGA50, GDA94) at each of the four corners of the site.
- Recorder and date – personnel involved in sampling that location and the survey date.
- Vegetation description – vegetation was described according to level 5 of the National Vegetation Information System (Department of the Environment and Energy 2018) and classified according to the Aplin (1979) modification of the vegetation classification system of Specht (1970) (Appendix D).
- Vegetation condition – assessed according to the vegetation condition classification adapted from Trudgen (1988) (Appendix D).
- Species and foliar cover – vascular plant species present. Each flora species present was recorded along with its estimated percentage cover and height.
- Habitat – a broad description of the surrounding landscape based on landform, topography and soil.
- Soil – including colour and texture.
- Disturbances – records of any obvious disturbances such as fire, tracks, weeds or grazing.

- Photographs – a photograph was taken of each site (from the north-west and south-east corner of each quadrat and from the centre of each relevé).

Table 9: Number of flora and vegetation sites surveyed in each phase within the survey area.

Phase of survey	Number of sites	Name of sites
Two phases of post-wet and dry season survey	168 quadrats 3 relevés	Quadrats: RCC01, RCC02, RCC05, RCC06, RCC07, RCC08, RCC09, RCC10, RQ001, RQ002, RQ003, RQ004, RQ005, RQ006, RQ007, RQ008, RQ009, RQ010, RQ011, RQ012, RQ013, RQ014, RQ015, RQ016, RQ017, RQ018, RQ019, RQ020, RQ021, RQ022, RQ023, RQ024, RQ025, RQ026, RQ027, RQ028, RQ029, RQ030, RQ031, RQ032, RQ033, RQ034, RQ035, RQ036, RQ037, RQ038, RQ039, RQ040, RQ041, RQ042, RQ043, RQ044, RQ045, RQ046, RQ047, RQ049, RQ050, RQ051, RQ052, RQ056, RQ060, RQ062, RQ063, RQ065, RQ067, RQ076, RQ080, RQ081, RQ085, RQ090, RQ093, RQ094, RQ095, RQ097, RQ100, RQ102, RQ103, RQ104, RQ109, RQ110, RQ111, RQ114, RQ118, RQ119, RQ120, RQ131, RQ137, RQ139, RQ143, RQ145, RQ146, RQ147, RQ148, RQ149, RQ150, RQ151, RQ152, RQ153, RQ155, RQ156, RQ157, RQ158, RQ159, RQ160, RQ162, RQ163, RQ164, RQ165, RQ167, RQ170, RQ171, RQ172, RQ173, RQ174, RQ177, RQ178, RQ179, RQ181, RQ182, RQ183, RQ185, RQ186, RQ187, RQ188, RQ189, RQ191, RQ192, RQ211, RQ212, RQ213, RQ214, RQ215, RQ216, RQ217, RQ218, RQ219, RQ220, RQ222, RQ224, RQ225, RQ226, RQ227, RQ231, RQ233, RQ234, RQ235, RQ236, RQ237, RQ239, RQ240, RQ241, RQ242, RQ243, RQ244, RQ245, RQ246, RQ247, RQ253, RQ275, RQ276, RQ278, RQ292, RQ294, RQ305, RQ308, RQ455, RQ457, RQ487 Relevés: RR099, RR101, RR115
Two phases of dry season survey	29 quadrats 14 relevés	Quadrats: RQ053, RQ075, RQ091, RQ105, RQ107, RQ117, RQ124, RQ125, RQ128, RQ129, RQ130, RQ132, RQ133, RQ134, RQ135, RQ136, RQ168, RQ269, RQ271, RQ273, RQ277, RQ280, RQ326, RQ449, RQ469, RQ480, RQ484, RQ485, RQ486 Relevés: RR002, RR048, RR055, RR071, RR077, RR083, RR154, RR161, RR166, RR168, RR169, RR175, RR184, RR248
One phase of dry season survey	2 quadrats 1 relevé	Quadrats: RQ180, RQ238 Relevé: RR058
One phase of post-wet season survey	1 quadrat 1 relevé	Quadrat: RQ520 Relevé: RR501

Quadrat distribution was designed to have spatial spread over the survey area. There were limitations on the ability to establish quadrats in parts of the survey area affected by recent fire and also within drainage lines, gorges and on slopes where access was limited. Unburnt vegetation was preferentially targeted for installing quadrats to show climax vegetation assemblages.

Mapping notes were also taken to support the vegetation mapping; these varied in detail but generally included location coordinate, photograph, vegetation description, dominant species, and vegetation condition.

The survey area was accessed by vehicle, helicopter and traversed on foot. A geographic information system enabled device with the survey area and preselected sample sites uploaded, plus a hard copy

of colour aerial photography on A3 maps at a scale of 1:10,000 were used to locate the survey area and to assist in navigation.

Previously recorded significant flora records and associated habitat preference information were used to identify vegetation units and habitat within the survey area that had the potential to support significant flora (Department of Biodiversity, Conservation and Attractions 2021e, 2021b, 2021g). The habitats and vegetation units with this potential were located from 1:10,000 colour aerial imagery and on-ground observations. These areas were then opportunistically targeted in the field, to record the presence or absence of significant flora. Tracklogs attesting to survey effort are presented in Figure E.1, Appendix E. High resolution imagery (5 cm per pixel) supplied by Rio Tinto was used to help identify and map any potential PECs at a scale of 1:1,000.

Where significant flora was observed, the extent of the population was mapped. Population information for significant flora was captured electronically on the GPS-enabled handheld device. The information recorded included population size, density, landform, soil and reproductive characteristics.

3.2.3 Fauna Survey

Astron is conducting a multiple phase detailed (Level 2) fauna survey across the greater Rhodes Ridge project area (110,745 ha), as commissioned by Rio Tinto. This greater area wholly encompasses the current survey area. The fauna survey was completed in accordance with relevant EPA guidance documents:

- Technical Guidance - Terrestrial Fauna Surveys (Environmental Protection Authority 2016c)
- Technical Guidance – Terrestrial Vertebrate Fauna Surveys for Environmental Impact Assessments (Environmental Protection Authority 2020).

Survey effort completed within the current survey area is summarised in Table 10 and methods detailed below.

Table 10: Fauna survey effort within the survey area.

Dates	Personnel	Survey effort within survey area
27 June to 3 July 2019	Senior Zoologists: <ul style="list-style-type: none"> • Matthew Love • John Trainer Zoologists: <ul style="list-style-type: none"> • David Keirle • Brittany Osborn Field Assistant: <ul style="list-style-type: none"> • Joshua Burdon 	<ul style="list-style-type: none"> • 20 motion cameras deployed and collected • Four SM4-FS (BAT2-5) deployed and collected
30 July to 9 August 2019	Senior Zoologists: <ul style="list-style-type: none"> • Matthew Love • John Trainer Zoologists: <ul style="list-style-type: none"> • David Keirle • Brittany Osborn 	<ul style="list-style-type: none"> • Eight trapping grids opened and surveyed for seven nights • 20 motion cameras deployed and collected • Five SM4-FS units targeting bats deployed and collected • Two Audio SongMeter units targeting Night Parrots deployed and collected • Targeted searches of Gorge/Gully habitat

Dates	Personnel	Survey effort within survey area
19 to 29 August 2019	Senior Zoologists: <ul style="list-style-type: none"> Matthew Love John Trainer Zoologists: <ul style="list-style-type: none"> Andrew McCreery Brittany Osborn 	<ul style="list-style-type: none"> Three trapping grids opened and surveyed for seven nights One Audio SongMeter unit targeting Night Parrots deployed and collected Targeted searches of Gorge/Gully habitat
23 to 29 October 2019	Senior Zoologist: <ul style="list-style-type: none"> Matthew Love Zoologist: <ul style="list-style-type: none"> David Keirle 	<ul style="list-style-type: none"> Two long-term motion cameras retrieved Two long-term Audio SongMeter units targeting Night Parrots retrieved.
7 to 17 November 2019	Zoologists: <ul style="list-style-type: none"> David Keirle Andrew McCreery Brittany Osborn Senior Environmental Scientist: <ul style="list-style-type: none"> Sam Mueller 	<ul style="list-style-type: none"> One Audio SongMeter unit targeting Night Parrots deployed and collected Two long-term Audio SongMeter unit targeting Night Parrots retrieved Targeted searches of Gorge/Gully habitat Three evenings of nocturnal surveying
10 to 19 March 2020	Senior Zoologists: <ul style="list-style-type: none"> Matthew Love David Keirle Zoologist: <ul style="list-style-type: none"> Brittany Osborn Environmental Scientist <ul style="list-style-type: none"> Daenia Dundon 	<ul style="list-style-type: none"> Eight trapping grids opened and surveyed for seven nights Six habitat assessment conducted 10 motion cameras deployed and collected Five SM4-FS units targeting bats deployed and collected Two Audio SongMeter units targeting Night Parrots deployed and collected Targeted searches of Gorge/Gully habitat Two evenings of nocturnal surveying
11 to 21 August 2020	Senior Zoologist: <ul style="list-style-type: none"> David Keirle Zoologists: <ul style="list-style-type: none"> Andrew McCreery Brittany Osborn Kady Grosser 	<ul style="list-style-type: none"> Three trapping grids were opened and surveyed over a minimum of seven nights Three baited motion sensitive cameras deployed and collected Targeted searches of Gorge/Gully and Breakaway habitat
12 to 22 October 2020	Senior Zoologist: <ul style="list-style-type: none"> Matthew Love Zoologists: <ul style="list-style-type: none"> Brittany Osborn Sean Smithies Environmental Scientist <ul style="list-style-type: none"> Brett Jorgensen 	<ul style="list-style-type: none"> One habitat assessment conducted Targeted searches of Gorge/Gully and Breakaway habitat

Dates	Personnel	Survey effort within survey area
2 to 12 March 2021	Senior Zoologist: <ul style="list-style-type: none"> Matthew Love Zoologists: <ul style="list-style-type: none"> Brittany Osborn Kady Grosser Sean Smithies 	<ul style="list-style-type: none"> Three trapping grids were opened and surveyed over a minimum of seven nights Two additional sites consisting of Elliott box traps were conducted in cracking clay habitats targeting the Short-tailed Mouse (<i>Leggadina lakedownensis</i>) (P4) where this species is commonly found Four fauna habitat assessments conducted Three baited motion sensitive cameras deployed and collected One audio SongMeter unit targeting Night Parrots deployed and collected Targeted searches of Gorge/Gully and Breakaway habitat
12 to 22 April 2021	Senior Zoologists: <ul style="list-style-type: none"> Matthew Love David Keirle Zoologists: <ul style="list-style-type: none"> Brittany Osborn Kady Grosser 	<ul style="list-style-type: none"> Five fauna habitat assessments conducted One Full Spectrum SongMeter ultrasonic unit targeting bats deployed and collected Targeted searches of Gorge/Gully and Breakaway habitat
6 to 16 May 2021	Senior Zoologists: <ul style="list-style-type: none"> Matthew Love David Keirle Zoologists: <ul style="list-style-type: none"> Kady Grosser Sean Smithies 	<ul style="list-style-type: none"> Three trapping grids were opened and surveyed over a minimum of seven nights One additional site consisting of Elliott box traps were conducted in cracking clay habitats targeting the Short-tailed Mouse (<i>Leggadina lakedownensis</i>) (P4) where this species is commonly found Nine fauna habitat assessments conducted Three baited motion-sensitive cameras deployed and collected Two audio SongMeter units targeting Night Parrots deployed and collected Targeted searches of Gorge/Gully and Breakaway habitat

3.2.3.1 Habitat Assessments

Twenty-five habitat assessments were conducted within representative fauna habitat types present in the survey area (Figure E.2 and Table E.1, Appendix E). The following information was collected at each site:

- Location – coordinates measured using a handheld GPS (GDA94)
- Recorder and date – personnel involved in undertaking the fauna habitat assessment and the survey date
- Habitat/landform – position in the landscape - major fauna habitat types were described based on the landform and vegetation
- Vegetation unit – a broad description of vegetation type and structure
- Soils – a brief description of soil type

- Microhabitat – presence of specific microhabitat features, e.g. leaf litter, logs, burrows, rocky outcrops, rock crevices, hollows, permanent or semi-permanent water
- Condition – habitat condition was assessed based on the presence of anthropogenic (human-induced) disturbances, and using the condition ratings suggested by Thompson and Thomson (2010) (Table D.3, Appendix D)
- Disturbance – any disturbance such as clearing, fire, weeds, flooding, vehicular, machinery, tracks or grazing
- Photographs – a representative photograph was taken of each habitat assessment site.

Fauna habitats were further defined using information collected from the flora survey relevé sites to provide additional data. The information derived from the fauna habitat assessments was used to delineate fauna habitats throughout the survey area, which were then mapped accordingly.

3.2.3.2 *Trapping*

A total of 17 trapping sites were sampled within the survey area (Figure E.2, Appendix E). Further detail on the trapping sites is provided in Table E.1 (Appendix E).

Astron used the following trapping site design for the fauna assessment:

- 14 trap sites were established with 10 pitfall traps (20 L buckets), six funnel traps, 20 Elliott traps and four cage traps (wire mesh cage trap)
- one trap site was established as cage/Elliott sites, each with 20 Elliott traps and four cage traps arranged in a linear layout along suitable habitat features
- two trap sites were established as funnel sites, each with 10 funnels, 20 Elliott traps and four cage traps arranged in a linear layout.

Pitfall traps were not established within the Breakaway and Rocky Hill habitat trap sites due to the rocky terrain and hard bedrock not being conducive to this type of trap. The ground dwelling reptiles and mammals in this area were instead targeted through other sampling techniques such as funnel trapping, active searching and opportunistic recordings.

The trap sites remained open for a minimum of seven nights during each phase of fauna surveying. Traps were cleared each morning within three hours of sunrise to minimise the potential of heat-related trap death. Cage and Elliott traps were baited with a mixture of oats, peanut butter and sardines, and refreshed every second day or following animal capture.

3.2.3.3 *Avifauna Census*

A total of 1,860 minutes (31 hours) of systematic avifauna (bird) censuses were conducted at the trapping grids within the survey area.

All species were recorded from sightings and/or from species-specific bird calls. Opportunistic records of species across the survey area were also recorded and habitats that may support significant species were additionally targeted.

3.2.3.4 *Motion Sensitive Cameras*

Motion sensitive cameras (Moultrie and Reconyx HC600 HyperFire) were set at 61 locations for between three and 98 nights with a combined trapping effort of 1,340 camera trap nights (Figure E.2

and Table E.1, Appendix E). The cameras were baited with a combination of peanut butter, oats and sardines and placed in prospective/suitable habitat such as cave entrances and water holes to specifically target MNES species.

3.2.3.5 Acoustic Bat Surveys

Acoustic ultrahigh frequency equipment was used to record the presence of bats, in particular the Pilbara Leaf-nosed Bat (*Rhinonictoris aurantia*) (VU; VU) and Ghost Bat (*Macroderma gigas*) (VU;VU). Acoustic recording devices (Song Meter (SM) 2 SM2BAT+ and SM4) were positioned in a total of 15 locations to achieve a broad coverage of the survey area (Figure E.2 and Table E.1, Appendix E). The detectors were set at each location for between one and 11 nights, resulting in a total of 83 recording nights. The bat echolocation data collected in the field was analysed by Robert Bullen (Bat Call WA 2019).

3.2.3.6 Night Parrot Survey

Due to the recent discovery of Night Parrot (*Pezoporus occidentalis*) (EN; EN) populations in Western Australia, DBCA have published interim guidelines for Night Parrot surveys in Western Australia (Department of Parks and Wildlife 2017). The survey area is located in the area mapped as ‘high priority for survey’ for this species so passive acoustic surveys using Autonomous Recording Units (ARUs) were undertaken in the most prospective habitats (Stony Plain habitat containing mature *Triodia*).

ARUs were positioned at 13 sites. The ARUs were set at each location for between six and 44 nights, resulting in a total of 242 recording nights (Figure E.2 and Table E.1, Appendix E). The ARUs were set for recording between from 1 hour pre-sunset to 1 hour post-dawn. The audio data was recorded at 44.1 kHz sampling rate and covered the frequency range 100 kHz to 21,000 kHz which brackets the Night Parrot call frequency range of 1,500 kHz to 3,500 kHz. The ARU data collected in the field was analysed by Robert Bullen (Bat Call WA 2019).

3.2.3.7 Active Foraging

Active searches were undertaken in microhabitats suitable for ground-dwelling reptiles and mammals. Active searches included the following:

- searching and recording scats, tracks and other traces
- turning over rock and logs and peeling off bark
- raking soil and leaf litter
- searching rocky habitats in cracks and caves, around water bodies and inside bore hole caps.

3.2.3.8 Targeted Searches

The aim of the targeted searches was to identify areas of potentially suitable habitat for conservation significant fauna, such as caves, and secondary signs including tracks, scats, diggings and burrows. Visual observation for significant fauna habitat was ongoing whilst moving through the survey area. Track logs were recorded using a handheld GPS and are shown in Figure E.2 (Appendix E). Any opportunistic sightings of fauna species were recorded whilst traversing the survey area.

Given the presence of Ghost Bats within the region and survey area, each cave assessed was categorised as:

- Category 1 – diurnal roost caves with permanent occupancy
- Category 2 – diurnal roost caves with regular occupancy
- Category 3 – roost caves with occasional occupancy
- Category 4 – nocturnal roost caves (opportunistic usage).

These categories are based on definitions for Ghost Bat usage according to Bat Call WA (2019).

Approximately 1,262 hours have been spent searching for conservation significant bat species roost caves over the 11 field visits conducted within the survey area. Searches for roost caves provides a more accurate assessment of Ghost Bat presence because Ghost Bats are notoriously difficult to detect as their echolocation calls show wide variation and they do not always call (utilising ultrasonic calls) when exiting and entering caves (McKenzie and Bullen 2009). In addition, acoustic recording devices are not always successful in picking up the vocal calls (audible sound) when Ghost Bats utilise certain feeding strategies.

3.2.3.9 Nocturnal Spotlighting

Spotlighting at night was undertaken on foot and from vehicles to target fauna that are nocturnal or crepuscular. Due to health and safety concerns, potential MNES habitat, such as gorges, could not be spotlighted. A total of 200 person hours of nocturnal spotlighting was undertaken in the survey area during five dry season surveys and four post-wet season surveys. Approximately two nights of spotlighting (four hours per night) was conducted per survey.

3.3 Taxonomy and Nomenclature

3.3.1 Flora

Plant specimens that were not identified in the field were identified in Perth by an Astron botanist or externally by Botanist/Taxonomist Dr Udani Sirisena. Potential range extensions, novel or complex specimens and significant taxa were submitted to either the Rio Tinto sponsored taxonomist Steven Dillon at the Western Australian Herbarium (WA Herbarium) or through the WA Herbarium paid identification service for confirmation. The assigned nomenclature is consistent with the current listing of scientific names recognised by the WA Herbarium and was used for the species list and associated species information collected. Where specimens had inadequate descriptive material to allow confident identification, they were assigned a 'sp.' (species) epithet, indicating that identification could not be confirmed beyond genus level. Data from each relevé and mapping note were entered into a customised database.

3.3.2 Fauna

Nomenclature and sequence for the fauna species listed within this report is as per Western Australian Museum's *Checklist of the Vertebrates of Western Australia* (Western Australian Museum 2021) for herpetofauna and mammals and the Australian Faunal Directory (Department of the Environment and Energy 2020a) for birds. For species identified in the desktop assessment where there is doubt to their true taxonomy (through subsequent name changes or taxonomic reviews) every effort was made to determine the current scientific name for each taxon. In addition, some taxon names may be followed by 'sp.', meaning that the species name was not given in the data source or the identification is in doubt. Invertebrate and fish species were not included in the desktop assessment as they are outside of the scope of this survey.

3.4 Limitations

Following completion of the desktop assessment and field surveys, a review of any limitations that may have affected a complete assessment of the survey area was conducted. The limitations listed in Table 11 are based on those suggested as considerations in *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (Environmental Protection Authority 2016a) and *Technical Guidance - Terrestrial Fauna Surveys* (Environmental Protection Authority 2020).

Table 11: Statement of limitations.

Potential limitation	Limitation (none/minor/ requires consideration)	Statement regarding potential limitations
i) Availability of contextual information at a regional and local scale	None	Previous biological surveys have been conducted in the broader area, and broad-scale information is available from Beard (1975) and van Vreeswyk et al. (2004). Eight previous biological flora reports and 13 previous biological fauna reports with proximity to the survey area were used for review, as well as data collected as part of the greater Rhodes Ridge dataset (Astron Environmental Services 2021a). Therefore, contextual information was not a limiting factor for this survey.
ii) Competency/ experience of the team carrying out the survey, including experience in the bioregion surveyed	None	The scientists responsible for undertaking the field survey have considerable experience in conducting vegetation and flora surveys, and fauna assessments in the Pilbara (Section 3.2.2 and 3.2.3). The identification of flora specimens was conducted by Astron botanists who are highly experienced in identifying the flora of the region, or externally by Dr Udani Sirisena. Furthermore, identification or confirmation of significant specimens and any novel or complex specimens was undertaken by taxonomists at the WA Herbarium. The bat echolocation data and acoustic recording data collected in the field was analysed by Robert Bullen (Bat Call WA). Personnel experience and competency was not considered a limiting factor.
iii) Proportion of flora/fauna recorded and/or collected, any identification issues	Minor	The flora and vegetation field survey was conducted from 2019 to 2021 across multiple visits ranging from February to November, during post-wet and seasonally dry conditions for the east Pilbara; as such sampling intensity was considered adequate. Seventy-two specimens could not be fully identified, or represent hybrids, and an additional 63 specimens not collected due to lack of diagnostic material could not be fully identified. Of the unidentified specimens, two significant species may occur and have been labelled as: <i>Goodendia ?nuda</i> P4 (three specimens from six locations) and <i>Themeda triandra</i> /sp. Hamersley Station (M.E. Trudgen 11431) (one specimen from two locations). No other unidentified specimens are considered likely to represent significant species. Due to the first two years of sub-optimal annual rainfall some of the flora groups are considered not entirely represented. Grass species (Poaceae family) were dominant, however, many had senesced and had no material to allow confident identification in the first two years of survey. As such, species richness in the

Potential limitation	Limitation (none/minor/ requires consideration)	Statement regarding potential limitations
		<p>Poaceae family may be underrepresented. Other groups that may have had additional undetected or unidentifiable species include Fabaceae, Malvaceae, Asteraceae and Chenopodiaceae. These groups are likely to have had more species present and identifiable material following adequate rainfall. Likewise, many of the annual or short-lived perennial species that were recorded are likely to have a much greater distribution within the survey area in better seasonal conditions, as such this is considered a minor limiting factor. The assessment did include one above-average post-wet season sampling period in which 75.3% of sites were surveyed/rescored; therefore the sampled species richness is indicative of the total species pool. The proportion of flora collected and identified is therefore considered a minor limitation of the survey.</p> <p>The fauna field survey was conducted across multiple visits ranging from March to November during post wet and seasonally dry conditions for the east Pilbara. Sampling intensity was considered adequate. Personnel were advised not to enter any caves or overhangs due to potential instability of the surrounding rock, and as such this resulted in four caves being recorded but not internally surveyed. Therefore, the type of usage these caves present for significant bat species such as the Ghost Bat is unknown. This was considered to be a minor limiting factor to the fauna survey.</p>
iv) Was the appropriate area fully surveyed (effort and extent)	None	The survey area was considered adequately surveyed to compile a representative list of species (including significant and introduced flora and fauna species), as well as describe and map vegetation at a level appropriate for management decisions. Completeness is not considered a limiting factor.
v) Access restrictions within the survey area	None	The majority of the survey area was able to be accessed by vehicle. Areas that were unable to be reached by vehicle were accessed by helicopter or by foot and traversed by foot. As such, access was not considered a limiting factor.
vi) Survey timing, rainfall, season of survey	Minor	<p>Seasonal conditions were considered below average for surveying the east Pilbara region during the 2019 sampling period. As a result, many annual and short-lived perennial flora species considered likely to occur were absent in that year, and the diversity and abundance of fauna recorded was similarly reduced.</p> <p>The annual rainfall recorded in the wet season over the 2019-2020 sampling period was considered to be average, however delays to field survey due to COVID-19, meant field teams were not on the ground during the main part of the post-wet season. This resulted in a poor representation of annual and ephemeral flora taxa, and of some fauna again in 2020.</p> <p>Seasonal conditions during the 2021 survey period were considered above average due to relatively widespread above-</p>

Potential limitation	Limitation (none/minor/ requires consideration)	Statement regarding potential limitations
		<p>average rainfall. As a result, there was a good representation of annual and ephemeral flora throughout the survey area, and good conditions for fauna generally. Field visits 14-18 (March - May) conducted during 2021 were mostly excellent seasonal conditions and resulted in a good representation of annual and ephemeral taxa. The spread of sites surveyed during this period was considered widespread throughout the site, allowing good representation of different vegetation types. Therefore, seasonal conditions were not considered to be a limiting factor to the 2021 flora and fauna survey.</p> <p>Overall, due to the below average and average seasonal conditions in 2019 and 2020, combined with access restrictions due to COVID-19, timing is considered a minor limitation to the flora and fauna survey.</p>
<p>vii) Disturbance that may have affected the results of survey such as fire, flood or clearing.</p>	<p>None</p>	<p>Fires were present in the area surveyed prior to 2019, during 2019 and during 2021 survey periods. While this hasn't impacted the results of the survey, the fires did burn two established quadrats (RQ180 and RQ238) resulting in only one season of survey (Figure F.1, Appendix F). Furthermore, one quadrat was cleared during exploration activities. Due to the replication of sites in the survey area this impact from disturbance is not considered a limiting factor. Disturbance is not considered to be a limitation to the fauna survey.</p>

4 Results and Discussion

4.1 Desktop Assessment

4.1.1 Vegetation and Flora

No TECs listed under the EPBC Act were identified in the Protected Matters (MNES) Report (Department of Agriculture, Water and the Environment 2021b). No TECs listed by the State under the BC Act have been previously recorded within the survey area. The State listed TEC ‘Ethel Gorge aquifer stygobiont community’ has been previously recorded approximately 31 km east-southeast of the survey area. Eight State listed PECs have been previously recorded within 50 km of the survey area and are listed in Table 12. Locations of these communities are mapped in Figure C (Appendix C).

It is understood that a previously recorded location of the ‘Coolibah - Lignum Flats: sub type 1’ priority 3 PEC, was denoted on past DBCA database searches by an erroneous point along the Giles Point Road, within the survey area. From discussions between Rio Tinto personnel and DCBA staff, it was understood that this was a general point denoting a known location somewhere in the vicinity. The erroneous point has been removed from subsequent database search results. The ‘Coolibah - Lignum Flats: sub type 1’ priority 3 PEC has since been located in the survey area by Rio Tinto staff, although no updated point has been added to subsequent searches of the DBCA database (pers. comm. Hayden Ajduk Rio Tinto). Rio Tinto provided location details of the PEC to Astron field team members.

Table 12: Priority ecological communities previously recorded within 50 km of the survey area (Department of Agriculture, Water and the Environment 2021b, Department of Biodiversity, Conservation and Attractions 2021a)

Ecological community description	State conservation category	Community description	Distance from survey area
Coolibah – Lignum Flats: sub type 1: Coolibah and mulga (<i>Acacia aneura</i>) woodland over lignum and tussock grasses on clay plains (Coondewanna Flats and Wanna Munna Flats)	Priority 3	Woodland or forest of <i>Eucalyptus victrix</i> (coolibah) over thicket of <i>Duma florulenta</i> (lignum) on red clays in run-on zones.	*0 km
Kumina Land System	Priority 3	Ferricrete duricrust plains, uplands and plateaux remnants, relief up to 15 m. Duricrust plains and plateau remnants support hard spinifex grasslands.	3.3 km north
Weeli Wolli Spring Community	Priority 1	Riparian woodland and forest associations with an understorey of sedge and herbfield communities that fringe many of the pools and associated water bodies along the main channels of Weeli Wolli Creek.	4.8 km north

Ecological community description	State conservation category	Community description	Distance from survey area
Riparian flora and plant communities of springs and river pools with high water permanence of the Pilbara Region	Priority 2	Flora with restricted distributions or populations that are highly disjunct or are major range extensions from northern and eastern Australia. These include <i>Imperata cylindrica</i> , <i>Cladium procerum</i> , <i>Schoenus falcatus</i> and <i>Fimbristylis sieberiana</i> P3. In the Pilbara these taxa are almost exclusively restricted to the riparian zones of permanent wetlands with high soil moisture maintained by groundwater flows. Occurrences are disjunct with sites typically associated with groundwater discharge in gorge and valley wetlands that are often coupled with significant shading.	9.9 km north
West Angelas Cracking-Clays	Priority 1	Open tussock grasslands of <i>Astrebla pectinata</i> , <i>A. elymoides</i> , <i>Aristida latifolia</i> , in combination with low scattered shrubs of <i>Sida fibulifera</i> , on basalt derived cracking-clay loam depressions and flowlines.	14.1 km west and south-west
Vegetation of sand dunes of the Hamersley Range/Fortescue Valley	Priority 3	Red linear iron-rich sand dunes lie on the Divide land system at the junction of the Hamersley Range and Fortescue Valley, between Kalgan Creek and the low hills to the west. A small number are vegetated with <i>Acacia dictyophleba</i> scattered tall shrubs over <i>Crotalaria cunninghamii</i> , <i>Trichodesma zeylanicum</i> var. <i>grandiflorum</i> open shrubland.	22.9 km north-east
Coolibah - Lignum Flats: sub type 2: Coolibah woodlands over lignum (<i>Duma florulenta</i>) over swamp wanderrie (Lake Robinson)	Priority 1	Coolibah (<i>Eucalyptus victrix</i>) woodlands over lignum (<i>Duma florulenta</i>) over swamp wanderrie.	35.6 km north-west
Narbung Land System	Priority 3	Alluvial washplains with prominent internal drainage foci supporting snakewood and mulga shrublands with halophytic low shrubs	44.5 km north-east

*Database results did not include this PEC sub type, however it was known to Rio Tinto and Astron staff to occur within the survey area prior to the commencement of this survey.

Results of the literature review indicate that no EPBC Act or BC Act listed TECs have been previously recorded from projects within 10 km of the survey area. One PEC 'West Angelas Cracking-Clays' (P1) was recorded by two surveys approximately 20 km south of the current survey area (Eco Logical Australia 2014) and 50 km west (Ecologia Environment 2013); one vegetation unit recorded by Ecologia Environment (2013), and two vegetation units recorded by Eco Logical Australia (2014) were considered analogous to the PEC. Two ecosystems were also identified by Eco Logical Australia (2014) as being an 'Ecosystem at Risk' from various threatening processes: 'Valley floor Mulga' and 'All major

ephemeral water courses'. No TECs have previously been recorded in the vicinity of the current survey area (Table 13).

The DBCA TPFL (Department of Biodiversity, Conservation and Attractions 2021b), WA Herbarium database (Department of Biodiversity, Conservation and Attractions 2021c) and *NatureMap* (Department of Biodiversity, Conservation and Attractions 2021e) searches indicated that no species listed as threatened have been recorded within 50 km of the survey area. *Seringia exastia* T was recorded in the WA Herbarium database but is not considered a threatened species (refer to section 4.2.2.1).

One State and Commonwealth-listed threatened flora species, *Pityrodia augustensis* T (vulnerable (VU)), was returned from the PMST database search results. All collections of this species lodged at the WA Herbarium are from the Mount Augustus National Park in the Gascoyne bioregion over 200 km south-west from the survey area (Western Australian Herbarium 2021). It is considered unlikely to occur in the survey area.

A total of 67 priority flora species have been previously recorded within 50 km of the survey area (Table G.1, Appendix G) (Department of Agriculture, Water and the Environment 2021b, Department of Biodiversity, Conservation and Attractions 2021g, 2021c, 2021e, Rio Tinto 2021b). Of these, 11 are priority (P) 1, 11 are P2, 38 are P3 and seven are P4 status (Table G.1, Appendix G).

According to the literature review no EPBC Act or BC Act listed threatened flora have previously been identified in the vicinity of the current survey area (Table 13). However, 20 priority flora taxa have been recorded in close proximity to the current survey area, including four P2 taxa: *Aristida lazaridis* P2, *Eremophila pusilliflora* P2, *Isotropis parviflora* P2, *Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2; 12 P3 taxa: *Acacia subtiliformis* P3, *Aristida jerichoensis* var. *subspinulifera* P3, *Eremophila forrestii* subsp. *viridis* P3, *Goodenia purpurascens* P3, *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) P3, *Gymnanthera cunninghamii* P3, *Indigofera gilesii* P3, *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3, *Sida* sp. Barlee Range (S. van Leeuwen 1642) P3, *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3, *Triodia* sp. Mt Ella (M.E. Trudgen 12739) P3, *Solanum kentrocaule* P3; and four P4 taxa: *Acacia bromilowiana* P4, *Eremophila youngii* subsp. *lepidota* P4, *Goodenia nuda* P4 and *Lepidium catapycnon* P4 (Table 13).

Previous surveys in the vicinity of the current survey have varied in size, and have identified between five and 26 distinct vegetation units (Table 13). The overall condition of vegetation has generally been considered 'Very Good' or 'Excellent' (Ecologia Environment 2013, Eco Logical Australia 2014, Rio Tinto 2016a, 2017).

Weeds have commonly been identified in the vicinity of the survey area, with all previous studies identifying the presence of **Bidens bipinnata* (Table 13). An additional 13 weed species were also recorded in at least one previous survey, including: **Alternanthera pungens*, **Argemone ochroleuca*, **Acetosa vesicaria*, **Cenchrus ciliaris*, **C. setiger*, **Chloris virgata*, **Conzya bonariensis*, **Datura leichhardtii*, **F. trinervia*, **M. americanum*, **Sigesbeckia orientalis*, **T. terrestris* and **V. farnesiana* (Table 13).

Table 13: Summary of relevant vegetation and flora surveys in the vicinity of the survey area.

Survey parameter	Rio Tinto (2017) Rhodes Ridge Flora, Vegetation and Fauna Habitat Assessment	Rio Tinto (2016a) Flora, Vegetation and Fauna Habitat Assessment at Ophthalmia	Eco Logical (2014) Spearhole and Giles South Access Tracks Rare Flora Survey (AR-13-12110)	Astron (2014a) Rhodes Ridge, AR-13-11926 Vegetation, Flora and Fauna Survey	Astron (2014b) Hope Downs 2 AR-13-11444 and Bakers East SO-13-11013 Biological Assessment	Ecologia (2013) Greater West Angelas Vegetation and Flora Assessment	Mattiske (2010) Flora and Vegetation of Hope Downs 4, Rhodes Ridge Drilling and Eagle Road Re-alignment Areas	Mattiske (2009) Flora and Vegetation on the Hope Downs 4 Mine Pipeline Corridor to Ophthalmia Dam
Area	1,422.5 ha	3,183 ha	266 ha	581 ha	467 ha (Two areas; 97.5 ha and 369.5 ha)	17,596 ha	11,992 ha	Area not presented
Survey Type	Desktop and Reconnaissance	Desktop and Reconnaissance	Desktop, Reconnaissance and systematic rare flora searches	Desktop and Reconnaissance	Desktop and Reconnaissance	Desktop and detailed survey	Detailed Survey	Detailed Survey
Survey Timing	April 2016	June-July 2016	March-April 2014	May 2014	May 2014	July 2012 August 2021	2004-2010 multiple surveys, and May 2010 most recent	April -September 2008 and April 2009
Seasonal Conditions	Average	Average to optimal	Optimal	Average	Average	Optimal	Average to optimal	Optimal
Survey effort (quadrats/relevés)	8 relevés	66 relevés	44 mapping notes	10 unmarked quadrats 9 relevés 2 mapping notes	25 relevés, 1 quadrat	150 quadrats	831 quadrats	83 new and 139 previous quadrats
Total vegetation units mapped	6	26	7	5	15	22	19	23
TECs/PECs recorded	None	0	1 PEC, 'West Angelas Cracking-Clays' P1.	0	0	1 PEC, 'West Angelas Cracking-Clays' P1.	0	0
Total taxa recorded	67	299	102	177	142	441	519	262
Conservation significant flora species recorded (currently listed)	1	11	5	2	3	13	7	0
<i>Aristida lazarides</i> P2						x		
<i>Eremophila pusilliflora</i> P2						x		
<i>Isotropis parviflora</i> P2		x			x			
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2		x						
<i>Acacia subtiliformis</i> P3			x			x		
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3		x	x	x	x	x		
<i>Eremophila forrestii</i> subsp. <i>viridis</i> P3							x	
<i>Goodenia purpurascens</i> P3							x	
<i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) P3		x	x				x	

Survey parameter	Rio Tinto (2017) Rhodes Ridge Flora, Vegetation and Fauna Habitat Assessment	Rio Tinto (2016a) Flora, Vegetation and Fauna Habitat Assessment at Ophthalmia	Eco Logical (2014) Spearhole and Giles South Access Tracks Rare Flora Survey (AR-13-12110)	Astron (2014a) Rhodes Ridge, AR-13-11926 Vegetation, Flora and Fauna Survey	Astron (2014b) Hope Downs 2 AR-13-11444 and Bakers East SO-13-11013 Biological Assessment	Ecologia (2013) Greater West Angelas Vegetation and Flora Assessment	Mattiske (2010) Flora and Vegetation of Hope Downs 4, Rhodes Ridge Drilling and Eagle Road Re-alignment Areas	Mattiske (2009) Flora and Vegetation on the Hope Downs 4 Mine Pipeline Corridor to Ophthalmia Dam
<i>Gymnanthera cunninghamii</i> P3							x	
<i>Indigofera gilesii</i> P3		x				x		
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	x	x	x	x	x	x	x	
<i>Sida</i> sp. Barlee Range (S. van Leeuwen 1642) P3						x		
<i>Solanum kentrocaule</i> P3		x						
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3		x				x	x	
<i>Triodia</i> sp. Mt Ella (M.E. Trudgen 12739) P3		x				x		
<i>Acacia bromilowiana</i> P4		x						
<i>Eremophila youngii</i> subsp. <i>lepidota</i> P4							x	
<i>Goodenia nuda</i> P4		x	x			x		
<i>Lepidium catapycnon</i> P4						x		

4.1.2 Fauna

The database searches and literature review results indicate that 344 vertebrate fauna have been previously recorded within 50 km of the survey area, including seven amphibian species, 120 reptile species, 167 bird species (including one introduced bird species) and 50 mammal species (including 10 introduced mammal species) (Tables H.1-H.4, Appendix H). Of these, 39 species are of significance, including four reptile species, 26 bird species and nine mammal species (Table G.2, Appendix G).

Of the previously recorded significant fauna, 13 species were considered pre-survey to have a 'high' likelihood of occurrence within the survey area, five of which were recorded previously within the survey area (Pilbara Olive Python (*Liasis olivaceus barroni*) (VU;VU), Greater Bilby (*Macrotis lagotis*) (VU;VU), Pilbara Leaf-nosed Bat (*Rhinonictoris aurantia*) (VU;VU), Ghost Bat (*Macroderma gigas*) (VU;VU) and Western Pebble-mound Mouse (*Pseudomys chapmani*) (P4)). Two species were considered to have a 'moderate' likelihood and 24 were considered to have a 'low' likelihood (Table G.2, Appendix G). This was based on their respective ecology, habitats considered likely to be present and contextual records from historic survey and database records (Department of Agriculture, Water and the Environment 2021b, Department of Biodiversity, Conservation and Attractions 2021e, 2021d).

Previous surveys undertaken for Rio Tinto in the vicinity of the survey area recorded 12 significant vertebrate fauna species: Northern Quoll (*Dasyurus hallucatus*) (EN; EN), Pilbara Leaf-nosed Bat (*Rhinonictoris aurantia*) (VU; VU), Ghost Bat (*Macroderma gigas*) (VU;VU), Western Pebble-mound Mouse (*Pseudomys chapmani*) (P4), Pilbara Barking gecko (*Underwoodisaurus seorsus*) (P2), *Lerista macropisthopus remota* (P2), *Anilius ganei* (P1), Fork-tailed Swift (*Apus pacificus*) (Mi; Mi), Letter-winged Kite (*Elanus scriptus*) (P4), Peregrine Falcon (*Falco peregrinus*) (OS), Grey Falcon (*Falco hypoleucos*) (VU), and Oriental Plover (*Charadrius veredus*) (Mi; Mi) (Table 14).

Table 14: Summary of literature review results from fauna surveys conducted within the vicinity of the survey area.

Author (year)	Survey area; size (ha)	Survey level	Survey timing	Survey effort	Conservation significant vertebrate fauna recorded
Astron (2014a)	Rhodes Ridge 581 ha	Level 1	May 2014	Describe the major fauna habitat types and condition, record opportunistic fauna observations, and assess the potential for the survey area to support significant fauna species or habitat.	Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>)
Astron (2020a)	Hope Downs 2 10,817.7 ha	Level 2 (3 phases)	November 2017 May 2018 March 2019	Baseline fauna assessment of terrestrial vertebrate fauna and short range endemic (SRE) invertebrate fauna species within the survey area. Habitat assessments, 19 trapping sites, avifauna censuses at each trapping site, foot traverses, nocturnal searches, targeted searches for both vertebrates and SRE invertebrates, and the use of SM2 acoustic bat echolocation recorders and motion sensor cameras.	Northern Quoll (<i>Dasyurus hallucatus</i>) Ghost Bat (<i>Macroderma gigas</i>) Pilbara Leaf-nosed Bat (<i>Rhinonictoris aurantia</i>) Oriental Plover (<i>Charadrius veredus</i>) <i>Lerista macropisthopus remota</i> Letter-winged Kite (<i>Elanus scriptus</i>) Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>)
Astron (2021a)	Rhodes Ridge 67,921.3 ha (excluding the current survey area)	Level 2 (multiple phases, 19 field visits)	June 2019 to May 2021	Baseline fauna assessment of terrestrial vertebrate fauna and SRE invertebrate fauna species within the survey area. Habitat assessments, 59 trapping sites (17 within the current survey area), avifauna censuses at each trapping site, foot traverses, nocturnal searches, targeted searches for both vertebrates and SRE invertebrates, SM4 acoustic bat echolocation recorders and audio recorders, motion sensor cameras.	Northern Quoll (<i>Dasyurus hallucatus</i>) Ghost Bat (<i>Macroderma gigas</i>) Pilbara Leaf-nosed Bat (<i>Rhinonictoris aurantia</i>) Pilbara Olive Python (<i>Liasis olivaceus barroni</i>) Peregrine Falcon (<i>Falco peregrinus</i>) Grey Falcon (<i>Falco hypoleucos</i>) Oriental Plover (<i>Charadrius veredus</i>) Fork-tailed Swift (<i>Apus pacificus</i>) <i>Anilius ganei</i> Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>)

Author (year)	Survey area; size (ha)	Survey level	Survey timing	Survey effort	Conservation significant vertebrate fauna recorded
Ecologia Environment (2014)	Greater West Angelas 17,565 ha	Level 2 (2 phases)	September – October 2012 March 2013	Habitat assessments, 12 trapping sites, avifauna censuses at each trapping site, foot traverses, nocturnal searches, targeted searches for both vertebrates and SRE invertebrates, and the use of SM2 acoustic bat echolocation recorders and motion sensor cameras.	Pilbara Barking gecko (<i>Underwoodisaurus seorsus</i>) Fork-tailed Swift (<i>Apus pacificus</i>) Pilbara Leaf-nosed Bat (<i>Rhinonictoris aurantia</i>) Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>)
GHD (2008)	Rhodes Ridge Camp Area	Level 1	April 2008	Targeted searches and opportunistic recording of vertebrate fauna species	Nil
Ninox Wildlife Consulting (2009a)	Hope Downs 4 Option 1 Infrastructure Corridor Area not specified	Level 2 (1 phase)	May 2008	Four trapping sites, Anabat ultrasonic call detector, avifauna census, SRE sampling and opportunistic searches.	Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>)
Ninox Wildlife Consulting (2009b)	Hope Downs 4 Option 6 Infrastructure Corridor Area not specified	Level 2 (2 phases)	September 2008 April 2009	Six trapping sites, Anabat ultrasonic call detector, avifauna census, SRE sampling and opportunistic searches.	Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>)
Rio Tinto (2016b)	Ophthalmia 3,183 ha	Level 1 (two surveys)	June and July 2016	Fauna habitat assessment and opportunistic recording of vertebrate fauna species	Western Pebble-mound Mouse (<i>Pseudomys chapmani</i>)
Rio Tinto (2017)	Rhodes Ridge 1,422 ha	Level 1	April 2016	Fauna habitat assessment and opportunistic recording of vertebrate fauna species	Nil. Presence of significant habitat (two adits) noted within the survey area
Rio Tinto (2019b)	Rhodes Ridge Area not specified	Targeted	July to August 2018	Targeted survey of Ghost Bats and Pilbara Leaf-nosed Bats at eight historical mine adits using SM4 audio recording devices	Ghost Bat (<i>Macroderma gigas</i>) Pilbara Leaf-nosed Bat (<i>Rhinonictoris aurantia</i>)


Author (year)	Survey area; size (ha)	Survey level	Survey timing	Survey effort	Conservation significant vertebrate fauna recorded
Bat Call WA (2020a)	Rhodes Ridge Area not specified	Targeted/Monitoring (multiple recording periods)	July to August 2018 October 2018 to March 2019 March to June 2020	Targeted survey and monitoring of Ghost Bats at eight historical mine adits using SM4 audio recording devices	Ghost Bat (<i>Macroderma gigas</i>). Significant habitats (adits) categorised


4.2 Flora and Vegetation Survey


4.2.1 Vegetation


There were 37 vegetation units recorded within the survey area; 16 units were described on hills and slopes, 10 units described on plains, two units described in gorges and gullies and eight units described in drainage lines. Areas where vegetation had been removed were mapped as 'cleared' and areas where vegetation had been cleared but efforts made to rehabilitate were mapped as 'Rehabilitation'. Vegetation mapping, quadrat, relevé and mapping note locations are presented in Figure I.1 – I.11 (Appendix I), survey site data is provided in Appendix J and detailed vegetation unit descriptions and representative photos are presented in Table 15. The site data presented is an amalgamation of Phase 1 and Phase 2 data, and therefore presents a complete species inventory per site. Vegetation units have been extracted from the larger Rhodes Ridge unpublished dataset, as such replication of sites within the survey area may be limited.


Table 15: Vegetation units described for the survey area.


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
Drainages				
<p>D1: <i>Corymbia hamersleyana</i> and <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees to low open woodland over <i>Acacia tumida</i> var. <i>pilbarensis</i>, <i>Petalostylis labicheoides</i> and <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> tall open shrubland to tall open scrub over <i>Androcalva luteiflora</i>, <i>Acacia maitlandii</i> and <i>Santalum lanceolatum</i> scattered shrubs to shrubland over (<i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186) and/or <i>Indigofera fractiflexa</i> subsp. <i>fractiflexa</i> scattered low shrubs to low open heath over) <i>Triodia pungens</i> very open hummock grassland to open hummock grassland over <i>Themeda triandra</i> (<i>Eriachne mucronata</i> and <i>Paraneurachne muelleri</i>) scattered tussock grasses to open tussock grassland.</p> <p>Associated species: <i>Abutilon otocarpum</i>, <i>Acacia monticola</i>, <i>Afrohybanthus aurantiacus</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Duperreya commixta</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Gossypium robinsonii</i>, <i>Paspalidium clementii</i>, <i>Perotis rara</i>, <i>Ptilotus exaltatus</i>.</p>	<p>RQ024, RQ035, RQ185, RQ189, RQ242, RQ244</p>	<p>Excellent – Very Good</p>	<p>644.8 (1.5)</p>	 <p>Plate 1: Vegetation unit D1.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D2: <i>Eucalyptus xerothermica</i> scattered low trees to low open woodland over <i>Acacia aptaneura</i>, <i>A. catenulata</i> subsp. <i>occidentalis</i> and/or <i>A. citrinoviridis</i> tall shrubland to tall open scrub over <i>Petalostylis labicheoides</i> (and other species) scattered low shrubs to open shrubland over <i>Triodia pungens</i> very open hummock grassland over <i>Chrysopogon fallax</i> scattered tussock grasses to very open tussock grassland.</p> <p>Associated species: <i>Aristida obscura</i>, <i>Arivela viscosa</i>, <i>*Bidens bipinnata</i>, <i>Enneapogon polyphyllus</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Hibiscus burtonii</i>, <i>Psydrax suaveolens</i>, <i>Santalum lanceolatum</i>, <i>Solanum lasiophyllum</i>, <i>Themeda triandra</i>.</p>	<p>RQ038, RQ040, RQ181</p>	<p>Excellent – Very Good</p>	<p>116.9 (0.3)</p>	 <p>Plate 2: Vegetation unit D2.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D4: <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> and <i>E. victrix</i> low open woodland to woodland over <i>Petalostylis labicheoides</i>, <i>Acacia citrinoviridis</i> and <i>Gossypium robinsonii</i> scattered tall shrubs to tall shrubland over <i>G. sturtianum</i> var. <i>sturtianum</i> (and <i>Androcalva luteiflora</i>) scattered shrubs to open shrubland over (<i>Triodia longiceps</i> and/or <i>T. pungens</i> scattered hummock grasses to very open hummock grassland over) <i>Themeda triandra</i>, <i>Eulalia aurea</i> and <i>Eriachne tenuiculmis</i> open tussock grassland with <i>Eragrostis tenellula</i> scattered annual grasses to very open annual grassland</p> <p>Associated species: <i>Acacia aptaneura</i>, <i>Cymbopogon ambiguus</i>, <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>.</p>	<p>19RMK0 04</p>	<p>Excellent – Very Good</p>	<p>36.4 (0.08)</p>	 <p>Plate 3: Vegetation unit D4.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D5: <i>Eucalyptus xerothermica</i> (and <i>Corymbia hamersleyana</i>) low open woodland over <i>Petalostylis labicheoides</i>, <i>Eremophila longiflora</i> and <i>Androcalva luteiflora</i> tall open shrubland to tall shrubland over <i>Senna artemisioides</i> subsp. x <i>artemisioides</i>, <i>Gossypium sturtianum</i> var. <i>sturtianum</i> and <i>Santalum lanceolatum</i> scattered shrubs to open shrubland over <i>Triodia pungens</i>, <i>T. longiceps</i> and/or <i>T. wiseana</i> scattered hummock grasses to open hummock grassland over <i>Themeda triandra</i>, <i>Eulalia aurea</i> and <i>Chrysopogon fallax</i> tussock grassland (over <i>Eragrostis cumingii</i>, <i>Digitaria ctenantha</i> and/or <i>Perotis rara</i> scattered annual grasses to open annual grassland with <i>Arivela viscosa</i> and <i>*Bidens bipinnata</i> scattered herbs to very open herbland).</p> <p>Associated species: <i>Abutilon otocarpum</i>, <i>Acacia aptaneura</i>, <i>A. maitlandii</i>, <i>A. pyrifolia</i> var. <i>pyrifolia</i>, <i>Alternanthera nana</i>, <i>Boerhavia coccinea</i>, <i>Crotalaria medicaginea</i> var. <i>neglecta</i>, <i>Cucumis variabilis</i>, <i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Eragrostis tenellula</i>, <i>Goodenia stellata</i>, <i>Indigofera georgei</i>, <i>Isotropis iophyta</i>, <i>Jasminum didymum</i> subsp. <i>lineare</i>, <i>*Malvastrum Americanum</i>, <i>Paraneurachne muelleri</i>, <i>Pterocaulon sphacelatum</i>, <i>Ptilotus exaltatus</i>, <i>Rhynchosia minima</i>, <i>Scaevola amblyanthera</i> var. <i>centralis</i>, <i>Setaria surgens</i>, <i>Sida fibulifera</i>, <i>Sida</i> sp. <i>spiciform panicles</i> (E. Leyland s.n. 14/8/90), <i>Sporobolus australasicus</i>, <i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>.</p>	<p>RQ211, RQ218, RQ236</p>	<p>Excellent – Very Good</p>	<p>115.7 (0.3)</p>	 <p>Plate 4: Vegetation unit D5.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D8: <i>Eucalyptus xerothermica</i> low open woodland over <i>Acacia aptaneura</i>, <i>A. catenulata</i> subsp. <i>occidentalis</i> and other <i>Acacia</i> spp. scattered tall shrubs to tall shrubland over (<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>, <i>Ptilotus obovatus</i> var. <i>obovatus</i> and or other species low open shrubland over) <i>Themeda triandra</i> (<i>Eulalia aurea</i> and <i>Paraneurachne muelleri</i>) tussock grassland.</p> <p>Associated species: <i>Abutilon otocarpum</i>, <i>Acacia aptaneura</i>, <i>A. pruinocarpa</i>, <i>Androcalva luteiflora</i>, *<i>Bidens bipinnata</i>, <i>Chrysopogon fallax</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Goodenia vilmorinae</i>, <i>Jasminum didymum</i> subsp. <i>lineare</i>, <i>Perotis rara</i>, <i>Ptilotus exaltatus</i>, <i>Sida</i> sp. L (A.M. Ashby 4202).</p>	<p>RQ182, RQ231, RQ245, RR115, RR184</p>	<p>Excellent – Very Good</p>	<p>140.8 (0.3)</p>	 <p>Plate 5: Vegetation unit D8.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D12: <i>Eucalyptus victrix</i> open woodland over <i>Acacia aptaneura</i> scattered tall shrubs to tall open shrubland over <i>Duma florulenta</i> (and <i>Rhagodia eremaea</i>) open shrubland to shrubland over <i>Chrysopogon fallax</i>, <i>Eriachne flaccida</i>, <i>Eulalia aurea</i> and/or other species very open tussock grassland with <i>Urochloa occidentalis</i> var. <i>ciliata</i>, <i>Digitaria ctenantha</i> and <i>Enneapogon polyphyllus</i> annual grassland on broad drainage depressions within crabhole clay plains. May represent 'Coolibah – Lignum Flats: sub type 1' priority 3 PEC</p> <p>Associated species: <i>Abutilon fraseri</i> subsp. <i>fraseri</i>, <i>Arivela viscosa</i>, *<i>Chloris virgata</i>, <i>Dichanthium sericeum</i> subsp. <i>humilius</i>, <i>Enchylaena tomentosa</i> var. <i>tomentosa</i>, <i>Enneapogon robustissimus</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Ptilotus xerophilus</i>, <i>Setaria dielsii</i>.</p>	<p>RQ052, RQ102, RQ276</p>	<p>Very Good - Good</p>	<p>11.9 (0.03)</p>	 <p>Plate 6: Vegetation unit D12.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D13: <i>Eucalyptus victrix</i> open woodland over <i>Eulalia aurea</i> and <i>Eriachne flaccida</i> closed tussock grassland on soak/drainage depression areas where there is seasonal inundation within a clay plain.</p> <p>Associated species: <i>Alternanthera nana</i>, <i>Chrysopogon fallax</i>, <i>Corymbia candida</i>, <i>Cucumis melo</i>, <i>Duperreya commixta</i>, <i>Goodenia pascua</i>, <i>Pterocaulon sphacelatum</i>, <i>Solanum lasiophyllum</i>, <i>Synostemon rhytidospermus</i>, <i>Themeda triandra</i>, <i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>, <i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113).</p>	<p>RR099, RR501</p>	<p>Excellent</p>	<p>11.1 (0.03)</p>	 <p>Plate 7: Vegetation unit D13.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D15: <i>Eucalyptus xerothermica</i> scattered low trees to open woodland over <i>E. socialis</i> subsp. <i>eucentrica</i> and/or <i>E. trivalva</i> low open mallee woodland over <i>Acacia steedmanii</i> subsp. <i>borealis</i>, <i>A. bivenosa</i> and other species tall open shrubland over <i>Triodia angusta</i> and/or <i>T. wiseana</i> very open hummock grassland to open hummock grassland with <i>Themeda triandra</i> open tussock grassland.</p> <p>Associated species (collected from outside of survey area): <i>Acacia sibirica</i>, <i>A. tetragonophylla</i>, <i>Eremophila longifolia</i>, <i>Eucalyptus gamophylla</i>, <i>Eulalia aurea</i>, <i>Euphorbia biconvexa</i>, <i>Goodenia muelleriana</i>, <i>Gossypium sturtianum</i> var. <i>sturtianum</i>, <i>Jasminum didymum</i> subsp. <i>lineare</i>, <i>Paraneurachne muelleri</i>, <i>Petalostylis labicheoides</i>, <i>Polymeria ambigua</i>, <i>Rhynchosia minima</i>, <i>Santalum lanceolatum</i>, <i>Scaevola amblyanthera</i> var. <i>centralis</i>, <i>Senna artemisioides</i> subsp. <i>oligophylla</i>, <i>Triodia longiceps</i>.</p>	<p>No sites sampled</p>	<p>Excellent</p>	<p>21.07 (0.05)</p>	 <p>Plate 8: Vegetation unit D15 (photograph taken outside of survey area).</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>D19: <i>Acacia aptaneura</i>, <i>A. citrinoviridis</i> and <i>Eremophila galeata</i> tall open shrubland over <i>Acacia tetragonophylla</i> and <i>E. forrestii</i> subsp. <i>forrestii</i> scattered shrubs over <i>Triodia pungens</i> scattered hummock grasses over <i>Chrysopogon fallax</i> and <i>Themeda triandra</i> very open tussock grassland over <i>Digitaria ctenantha</i>, <i>Aristida contorta</i> and <i>Enneapogon polyphyllus</i> very open annual grassland with <i>Fimbristylis dichotoma</i> scattered sedges.</p> <p>Associated species: <i>Acacia aneura</i>, <i>A. rhodophloia</i>, <i>Aristida obscura</i>, <i>Arivela viscosa</i>, <i>*Bidens bipinnata</i>, <i>Bothriochloa ewartiana</i>, <i>Bulbostylis barbata</i>, <i>Cheilanthes sieberi</i>, <i>Corchorus tridens</i>, <i>Cynanchum viminale</i> subsp. <i>australe</i>, <i>Duperreya commixta</i>, <i>Eremophila lanceolata</i>, <i>E. latrobei</i> subsp. <i>filiformis</i>, <i>Eriachne helmsii</i>, <i>Eriachne pulchella</i> subsp. <i>pulchella</i>, <i>Euphorbia biconvexa</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Gastrolobium grandiflorum</i>, <i>Gomphrena canescens</i> subsp. <i>canescens</i>, <i>G. cunninghamii</i>, <i>Heliotropium cunninghamii</i>, <i>Hibiscus coatesii</i>, <i>Indigofera linifolia</i>, <i>Ipomoea muelleri</i>, <i>Iseilema membranaceum</i>, <i>Isotropis iophyta</i>, <i>Marsilea hirsuta</i>, <i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1, <i>Phyllanthus maderaspatensis</i>, <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>, <i>Portulaca cyclophylla</i>, <i>Psydrax latifolia</i>, <i>Ptilotus exaltatus</i>, <i>P. gaudichaudii</i>, <i>P. helipteroides</i>, <i>Senna artemisioides</i> subsp. <i>oligophylla</i>, <i>Sida fibulifera</i>, <i>Spermacoce brachystema</i>.</p>	RR101	Very Good	29.0 (0.07)	 <p>Plate 9: Vegetation unit D19.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
Gorges and Gullies				
<p>G3: <i>Corymbia hamersleyana</i>, <i>C. ferritcola</i> and <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Grevillea wickhamii</i> subsp. <i>hispidula</i>, <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Androcalva luteiflora</i> tall shrubland over (<i>Acacia maitlandii</i> and <i>A. hamersleyensis</i> scattered shrubs to open shrubland over) <i>Triodia pungens</i> very open hummock grassland over <i>Eriachne mucronata</i>, <i>Themeda triandra</i> and <i>Cymbopogon ambiguus</i> very open tussock grassland.</p> <p>Associated species: <i>Acacia aptaneura</i>, <i>A. sibirica</i>, <i>A. tenuissima</i>, <i>Afrohybanthus aurantiacus</i>, <i>Cheilanthes brownii</i>, <i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>, <i>Clerodendrum floribundum</i> var. <i>angustifolium</i>, <i>Dolichocarpa crouchiana</i>, <i>Enneapogon polyphyllus</i>, <i>Eremophila latrobei</i> subsp. <i>glabra</i>, <i>Ficus brachypoda</i>, <i>Jasminum didymum</i> subsp. <i>lineare</i>, <i>Mirbelia viminalis</i>, <i>Peripleura arida</i>, <i>Petalostylis labicheoides</i>, <i>Santalum spicatum</i>, <i>Senna ferraria</i>, <i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842), <i>Solanum cleistogamum</i>, <i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300), <i>Trachymene oleracea</i> subsp. <i>oleracea</i>, <i>Triumfetta maconochieana</i>.</p>	RR154	Excellent – Very Good	35.3 (0.08)	 <p>Plate 10: Vegetation unit G3.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>G24: <i>Corymbia ferriticola</i> (<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Ficus brachypoda</i>) low open woodland to low woodland over <i>Acacia catenulata</i> subsp. <i>occidentalis</i>, <i>A. aptaneura</i> and/or <i>A. mulganeura</i> tall open shrubland over (<i>Dodonaea pachyneura</i> and other species scattered shrubs to open shrubland over) <i>Triodia pungens</i> (and <i>T. sp.</i> Mt Ella (M.E. Trudgen 12739) P3) very open hummock grassland to open hummock grassland with <i>Eriachne mucronata</i> very open tussock grassland.</p> <p>Associated species: *<i>Bidens bipinnata</i>, <i>Clerodendrum floribundum</i> var. <i>angustifolium</i>, <i>Cymbopogon ambiguus</i>, <i>Digitaria ammophila</i>, <i>Duperreya commixta</i>, <i>Psydrax latifolia</i>, <i>Ptilotus obovatus</i> var. <i>obovatus</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794), <i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32), <i>Solanum lasiophyllum</i>.</p>	<p>RR077, RR161, RR175</p>	<p>Excellent – Very Good</p>	<p>27.3 (0.06)</p>	 <p>Plate 11: Vegetation unit G24.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
Hills and Slopes				
<p>H3: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and/or <i>Corymbia deserticola</i> subsp. <i>deserticola</i> scattered low trees to low open woodland over <i>Hakea chordophylla</i>, <i>Acacia trudgeniana</i> and/or <i>A. inaequilatera</i> scattered tall shrubs to tall open shrubland (over <i>A. hilliana</i>, <i>A. bivenosa</i> and/or <i>Ptilotus rotundifolius</i> scattered shrubs to low open shrubland) over <i>Triodia vanleeuwenii</i> (and <i>T. pungens</i>, <i>T. wiseana</i> and/or <i>T. brizoides</i>) open hummock grassland to hummock grassland (over <i>Fimbristylis simulans</i> scattered sedges to very open sedgeland).</p> <p>Associated species: <i>Acacia adoxa</i> var. <i>adoxo</i>, <i>A. adsurgens</i>, <i>A. pruinocarpa</i>, <i>Amphipogon sericeus</i>, <i>Aristida contorta</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Dampiera candicans</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Eremophila latrobei</i> subsp. <i>latrobei</i>, <i>Eriachne mucronata</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Gompholobium oreophilum</i>, <i>Goodenia stobbsiana</i>, <i>Goodenia triodiophila</i>, <i>Hibiscus sturtii</i> var. <i>campylochlamys</i>, <i>Indigofera monophylla</i>, <i>Paraneurachne muelleri</i>, <i>Paspalidium clementii</i>, <i>Ptilotus calostachyus</i>, <i>P. exaltatus</i>, <i>Schizachyrium fragile</i>, <i>Senna glaucifolia</i>, <i>S. glutinosa</i> subsp. <i>glutinosa</i>, <i>S. glutinosa</i> subsp. <i>pruinose</i>, <i>S. glutinosa</i> subsp. <i>x luerssenii</i>, <i>Sida arenicola</i>, <i>Solanum centrale</i>, <i>S. lasiophyllum</i>.</p>	<p>RQ003, RQ026, RQ033, RQ037, RQ053, RQ153, RQ162, RQ170, RQ172, RQ177, RQ183, RQ225, RQ227, RQ240, RQ241, RQ243, RQ277, RQ305, RQ455</p>	<p>Excellent</p>	<p>4,746.2 (11.1)</p>	 <p>Plate 12: Vegetation unit H3.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H10: <i>Eucalyptus socialis</i> subsp. <i>eucentrica</i> and/or <i>E. repullulans</i> scattered low mallees to low mallee woodland over <i>Triodia wiseana</i> and <i>T. angusta</i> very open hummock grassland to hummock grassland.</p> <p>Associated species: <i>Abutilon otocarpum</i>, <i>A. aptaneura</i>, <i>A. bivenosa</i>, <i>A. sibirica</i>, <i>A. tetragonophylla</i>, <i>Aristida contorta</i>, <i>Capparis lasiantha</i>, <i>Duperreya commixta</i>, <i>Enneapogon caerulescens</i>, <i>E. polyphyllus</i>, <i>Goodenia muelleriana</i>, <i>G. vilmoriniae</i>, <i>Paraneurachne muelleri</i>, <i>Paspalidium clementii</i>, <i>Ptilotus exaltatus</i>, <i>Senna artemisioides</i> subsp. <i>oligophylla</i>, <i>Senna glutinosa</i> subsp. <i>x luerssenii</i>, <i>Sida fibulifera</i>, <i>Solanum lasiophyllum</i>, <i>Sporobolus australasicus</i>.</p>	<p>RQ020, RQ042, RQ186, RQ216, RQ237, RQ239, RQ280, RQ484</p>	<p>Excellent – Very Good</p>	<p>1,007.1 (2.4)</p>	 <p>Plate 13: Vegetation unit H10.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H11: (<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees to low open woodland over) <i>Eucalyptus gamophylla</i> scattered low mallees to low mallee woodland over <i>Acacia bivenosa</i>, <i>Hakea chordophylla</i> and/or <i>A. trudgeniana</i> (and/or other <i>Acacia</i> spp.) scattered shrubs to tall open shrubland over (<i>Androcalva loxophylla</i>, <i>Seringia exastia</i> and/or <i>Scaevola parvifolia</i> scattered low shrubs to low open shrubland over) <i>Triodia vanleeuwenii</i> and <i>T. pungens</i> very open hummock grassland to hummock grassland.</p> <p>Associated species: <i>Amphipogon sericeus</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Enneapogon polyphyllus</i>, <i>Eriachne mucronate</i>, <i>Eucalyptus gamophylla</i>, <i>Goodenia stobbsiana</i>, <i>G. triodiophila</i>, <i>Indigofera monophylla</i>, <i>Paraneurachne muelleri</i>, <i>Ptilotus calostachyus</i>, <i>P. exaltatus</i>, <i>Schizachyrium fragile</i>, <i>Senna glutinosa</i> subsp. <i>x luerssenii</i>, <i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925), <i>Solanum centrale</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ041, RQ044, RQ046, RQ124, RQ132, RQ213, RQ247</p>	<p>Excellent</p>	<p>1,460.6 (3.4)</p>	 <p>Plate 14: Vegetation unit H11.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H12: (<i>Corymbia hamersleyana</i> and/or <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees to low open woodland over) <i>Acacia inaequilatera</i> (and/or <i>A. bivenosa</i>) scattered shrubs to tall open shrubland over (<i>Senna artemisioides</i> subsp. <i>oligophylla</i> scattered low shrubs over) <i>Triodia wiseana</i> open hummock grassland.</p> <p>Associated species: <i>Acacia tenuissima</i>, <i>Aristida contorta</i>, <i>Cymbopogon ambiguus</i>, <i>Enneapogon caerulescens</i>, <i>Eremophila longifolia</i>, <i>Eriachne mucronate</i>, <i>Euphorbia australis</i> var. <i>subtomentosa</i>, <i>Goodenia microptera</i>, <i>G. triodiophila</i>, <i>Paraneurachne muelleri</i>, <i>Ptilotus auriculifolius</i>, <i>P. exaltatus</i>, <i>P. obovatus</i> var. <i>obovatus</i>, <i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90), <i>Tribulus hirsutus</i>.</p>	<p>RQ233, RQ469</p>	<p>Excellent</p>	<p>242.7 (0.6)</p>	 <p>Plate 15: Vegetation unit H12.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H14: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees to low open woodland over <i>Acacia sibirica</i>, <i>A. bivenosa</i> and other <i>Acacia</i> spp. scattered shrubs to tall open shrubland over <i>Triodia vanleeuwenii</i> (and <i>T. pungens</i>) open hummock grassland to hummock grassland.</p> <p>Associated species: <i>Acacia aptaneura</i>, <i>Acacia pruinocarpa</i>, <i>Amphipogon sericeus</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Cymbopogon ambiguus</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Eriachne mucronate</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Goodenia stobbsiana</i>, <i>Goodenia triodiophila</i>, <i>Hakea chordophylla</i>, <i>Indigofera monophylla</i>, <i>Paraneurachne muelleri</i>, <i>Paspalidium clementii</i>, <i>Ptilotus calostachyus</i>, <i>P. exaltatus</i>, <i>P. obovatus</i> var. <i>obovatus</i>, <i>P. rotundifolius</i>, <i>Schizachyrium fragile</i>, <i>Senna glutinosa</i> subsp. <i>glutinosa</i>, <i>S. glutinosa</i> subsp. <i>x luerssenii</i>, <i>Seringia exastia</i>, <i>Sida arenicola</i>, <i>Solanum centrale</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ004, RQ023, RQ051, RQ148a</p>	<p>Excellent – Good</p>	<p>358.6 (0.8)</p>	 <p>Plate 16: Vegetation unit H14.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H15: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Hakea chordophylla</i> (and/or <i>Acacia marramamba</i> or <i>A. pruinocarpa</i>) scattered tall shrubs over <i>A. arida</i> open shrubland to shrubland over <i>Triodia vanleeuwenii</i> (and <i>T. pungens</i> or <i>T. wiseana</i>) open hummock grassland to closed hummock grassland.</p> <p>Associated species: <i>Acacia adoxa</i> var. <i>adoxo</i>, <i>A. sibirica</i>, <i>Amphipogon sericeus</i>, <i>Aristida contorta</i>, <i>Codonocarpus cotinifolius</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Dampiera candicans</i>, <i>Eremophila latrobei</i> subsp. <i>latrobei</i>, <i>Eriachne lanata</i>, <i>E. mucronate</i>, <i>Gompholobium oreophilum</i>, <i>Goodenia stobbsiana</i>, <i>G. triodiophila</i>, <i>Indigofera monophylla</i>, <i>Paraneurachne muelleri</i>, <i>Ptilotus calostachyus</i>, <i>P. exaltatus</i>, <i>Scaevola browniana</i> subsp. <i>browniana</i>, <i>Schizachyrium fragile</i>, <i>Senna glaucifolia</i>, <i>S. glutinosa</i> subsp. <i>glutinosa</i>, <i>S. glutinosa</i> subsp. <i>pruinose</i>, <i>S. glutinosa</i> subsp. <i>x luerssenii</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ029, RQ030, RQ031, RQ215, RQ226, RQ234, RQ235, RQ449</p>	<p>Excellent</p>	<p>559.5 (1.3)</p>	 <p>Plate 17: Vegetation unit H15.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H19: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and/or <i>Corymbia deserticola</i> subsp. <i>deserticola</i> scattered low trees to low open woodland over <i>Acacia pruinocarpa</i>, <i>A. aptaneura</i> and <i>A. catenulata</i> subsp. <i>occidentalis</i> (and other <i>Acacia</i> spp.) tall open shrubland (over <i>Eremophila exilifolia</i>, <i>Ptilotus rotundifolius</i> and/or <i>P. obovatus</i> scattered low shrubs to shrubland) over <i>Triodia pungens</i>, <i>T. vanleeuwenii</i> (and <i>T. wiseana</i>) hummock grassland.</p> <p>Associated species: <i>Acacia rhodophloia</i>, <i>A. sibirica</i>, <i>Amphipogon sericeus</i>, <i>Aristida contorta</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Cymbopogon ambiguus</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Eriachne mucronata</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Goodenia stobbsiana</i>, <i>G. triodiophila</i>, <i>Hakea chordophylla</i>, <i>Indigofera monophylla</i>, <i>Paraneurachne muelleri</i>, <i>Ptilotus calostachyus</i>, <i>P. exaltatus</i>, <i>Schizachyrium fragile</i>, <i>Senna glutinosa</i> subsp. <i>glutinosa</i>, <i>S. glutinosa</i> subsp. <i>x luerssenii</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ012, RQ022, RQ062, RQ075, RQ091, RQ105, RQ119, RQ136, RQ149, RQ278, RR055, RR071, RR083</p>	<p>Excellent – Very Good</p>	<p>3,501.1 (8.2)</p>	 <p>Plate 18: Vegetation unit H19.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H20: <i>Eucalyptus victrix</i> (and <i>Corymbia candida</i>) scattered low trees to open woodland over <i>Acacia aptaneura</i>, <i>A. pruinocarpa</i> (and <i>A. tetragonophylla</i>) tall open shrubland to tall shrubland over <i>Ptilotus obovatus</i> var. <i>obovatus</i> low open shrubland to low shrubland over (<i>Triodia wiseana</i> open hummock grassland over <i>*Cenchrus ciliaris</i> and <i>Themeda triandra</i> very open tussock grassland with) <i>Digitaria ctenantha</i>, <i>Enneapogon caeruleus</i> and <i>Enneapogon lindleyanus</i> open annual grassland.</p> <p>Associated species: <i>Arivela viscosa</i>, <i>*Bidens bipinnata</i>, <i>Boerhavia coccinea</i>, <i>Chrysopogon fallax</i>, <i>Cucumis variabilis</i>, <i>Duperreya commixta</i>, <i>Eremophila forrestii</i> subsp. <i>forrestii</i>, <i>Eremophila longifolia</i>, <i>Euphorbia biconvexa</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Hakea lorea</i> subsp. <i>lorea</i>, <i>Heliotropium cunninghamii</i>, <i>Melhania oblongifolia</i>, <i>Paspalidium basicladum</i>, <i>Ptilotus exaltatus</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3, <i>Salsola australis</i>, <i>Senna artemisioides</i> subsp. <i>x artemisioides</i>, <i>Sida fibulifera</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ093, RQ104</p>	<p>Excellent – Good</p>	<p>39.2 (0.09)</p>	 <p>Plate 19: Vegetation unit H20.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H21: <i>Eucalyptus socialis</i> subsp. <i>eucentrica</i> and <i>E. repullulans</i> scattered low mallees to low mallee woodland over (<i>Acacia bivenosa</i> and/or other <i>Acacia</i> spp. scattered tall shrubs to tall open shrubland over) <i>Melaleuca eleuterostachya</i> scattered shrubs to shrubland over <i>Triodia wiseana</i> and <i>T. angusta</i> very open hummock grassland to hummock grassland.</p> <p>Associated species: <i>Acacia aptaneura</i>, <i>A. pruinocarpa</i>, <i>A. sibirica</i>, <i>A. synchronica</i>, <i>A. tetragonophylla</i>, <i>Capparis lasiantha</i>, <i>Duperreya commixta</i>, <i>Enneapogon caerulescens</i>, <i>E. polyphyllus</i>, <i>Eremophila longifolia</i>, <i>Goodenia muelleriana</i>, <i>Ptilotus clementii</i>, <i>P. exaltatus</i>, <i>P. obovatus</i> var. <i>obovatus</i>, <i>Salsola australis</i>, <i>Senna artemisioides</i> subsp. <i>oligophylla</i>, <i>Solanum lasiophyllum</i>, <i>Sporobolus australasicus</i>.</p>	<p>RQ128, RQ133, RQ135, RQ219, RQ222, RQ480, RQ485</p>	<p>Excellent – Very Good</p>	<p>226.2 (0.5)</p>	 <p>Plate 20: Vegetation unit H21.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H22: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> (and <i>Corymbia ferriticola</i>) scattered low trees over <i>Acacia catenulata</i> subsp. <i>occidentalis</i>, <i>A. aptaneura</i> (and <i>Grevillea berryana</i>) tall shrubland to tall open scrub over <i>Triodia pungens</i> scattered hummock grasses to open hummock grassland over <i>Eriachne mucronata</i> scattered tussock grasses to very open tussock grassland.</p> <p>Associated species: <i>Acacia pruinocarpa</i>, <i>Aristida contorta</i>, <i>A. obscura</i>, <i>*Bidens bipinnata</i>, <i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>, <i>Digitaria ammophila</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Eragrostis setifolia</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Paspalidium clementii</i>, <i>Perotis rara</i>, <i>Psydrax suaveolens</i>, <i>Ptilotus exaltatus</i>, <i>Ptilotus obovatus</i> var. <i>obovatus</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794), <i>Senna glutinosa</i> subsp. <i>glutinosa</i>, <i>Senna glutinosa</i> subsp. <i>x luerssenii</i>, <i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925), <i>Solanum cleistogamum</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ032, RR002, RR048, RR168, RR169, RR248</p>	<p>Excellent – Very Good</p>	<p>194.1 (0.5)</p>	 <p>Plate 21: Vegetation unit H22.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H25: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> (and <i>Corymbia deserticola</i> subsp. <i>deserticola</i>) scattered low trees to low open woodland over <i>Acacia marramamba</i>, <i>A. rhodophloia</i> and <i>A. sibirica</i> (and/or other <i>Acacia</i> spp.) scattered shrubs to tall open shrubland over <i>Triodia pungens</i> and <i>T. vanleeuwenii</i> very open hummock grassland to hummock grassland.</p> <p>Associated species: <i>Amphipogon sericeus</i>, <i>Androcalva luteiflora</i>, <i>Aristida contorta</i>, <i>Codonocarpus cotinifolius</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Eremophila exilifolia</i>, <i>Goodenia stobbsiana</i>, <i>G. triodiophila</i>, <i>Indigofera monophyla</i>, <i>Paraneurachne muelleri</i>, <i>Ptilotus calostachyus</i>, <i>Santalum lanceolatum</i>, <i>Schizachyrium fragile</i>, <i>Senna glaucifolia</i>, <i>Sida arenicola</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ001, RQ028, RQ049, RQ308</p>	<p>Excellent</p>	<p>297.7 (0.7)</p>	 <p>Plate 22: Vegetation unit H25.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H26- <i>Corymbia hamersleyana</i> (and <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>) low open woodland over <i>Acacia hamersleyensis</i>, <i>A. adsurgens</i> and <i>A. sibirica</i> (and other <i>Acacia</i> spp.) tall open scrub over <i>Triodia vanleeuwenii</i> and <i>T. wiseana</i> hummock grassland.</p> <p>Associated species: <i>Acacia aptaneura</i>, <i>A. pruinocarpa</i>, <i>Codonocarpus cotinifolius</i>, <i>Eremophila latrobei</i> subsp. <i>filiformis</i>, <i>Eremophila latrobei</i> subsp. <i>latrobei</i>, <i>Grevillea berryana</i>, <i>Paspalidium clementii</i>, <i>Schizachyrium fragile</i>, <i>Senna glaucifolia</i>, <i>Senna glutinosa</i> subsp. <i>glutinosa</i>, <i>Senna glutinosa</i> subsp. <i>x luerssenii</i>.</p>	<p>RQ014, RQ050</p>	<p>Excellent</p>	<p>66.9 (0.2)</p>	 <p>Plate 23: Vegetation unit H26.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H27: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> scattered low trees to low open woodland over (<i>Hakea chordophylla</i> scattered tall shrubs over) <i>Seringia exastia</i>, <i>Acacia adoxa</i> var. <i>adoxo</i> and <i>Mirbelia viminalis</i> scattered low shrubs to low open shrubland over <i>Triodia vanleeuwenii</i>, <i>T. pungens</i> and/or <i>T. wiseana</i> open hummock grassland to hummock grassland.</p> <p>Associated species: <i>Acacia bivenosa</i>, <i>Amphipogon sericeus</i>, <i>Codonocarpus cotinifolius</i>, <i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>, <i>Cymbopogon ambiguus</i>, <i>Dampiera candicans</i>, <i>Eremophila latrobei</i> subsp. <i>latrobei</i>, <i>Eriachne lanata</i>, <i>E. mucronate</i>, <i>Gompholobium oreophilum</i>, <i>Goodenia stobbsiana</i>, <i>G. triodiophila</i>, <i>Indigofera monophylla</i>, <i>Paraneurachne muelleri</i>, <i>Paspalidium clementii</i>, <i>Ptilotus calostachyus</i>, <i>P. exaltatus</i>, <i>Senna glaucifolia</i>, <i>S. glutinosa</i> subsp. <i>glutinosa</i>, <i>S. glutinosa</i> subsp. <i>x luerssenii</i>, <i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925), <i>Solanum lasiophyllum</i>.</p>	<p>RQ034, RQ134, RQ150, RQ152, RQ159, RQ160, RQ164, RQ165, RQ167, RQ168, RQ171, RQ180, RQ220, RQ238, RQ246, RQ253, RQ457, RR166</p>	<p>Excellent</p>	<p>2,653.1 (6.2)</p>	 <p>Plate 24: Vegetation unit H27.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H33: <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> scattered low trees to low open woodland over <i>E. gamophylla</i> and <i>E. kingsmillii</i> low open mallee woodland over (<i>Acacia adoxa</i> var. <i>adoxo</i>, <i>A. hilliana</i> and <i>Seringia exastia</i> scattered low shrubs to low shrubland over) <i>Triodia pungens</i>, <i>T. vanleeuwenii</i> and/or <i>T. brizoides</i> open hummock grassland</p> <p>Associated species: <i>Triodia wiseana</i>.</p>	<p>19RMK0 24</p>	<p>Excellent</p>	<p>78.0 (0.2)</p>	 <p>Plate 25: Vegetation unit H33.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H34: <i>Eucalyptus trivalva</i>, <i>E. repullulans</i> (and <i>E. socialis</i> subsp. <i>eucentrica</i>) low open mallee woodland over <i>Triodia wiseana</i> open hummock grassland</p>	23RML20	Excellent	3.8 (0.01)	 <p>Plate 26: Vegetation unit H34.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>H42: <i>Eucalyptus gamophylla</i> and <i>E. kingsmillii</i> low open mallee woodland over <i>Acacia atkinsiana</i> (<i>A. kempeana</i>, <i>A. sibirica</i> and/or <i>A. rhodophloia</i>) tall open shrubland to tall shrubland over <i>A. spondylophylla</i> scattered low shrubs to low open shrubland over <i>Triodia vanleeuwenii</i> and <i>T. pungens</i> hummock grassland.</p> <p>Associated species: <i>Acacia adsurgens</i>, <i>A. aptaneura</i>, <i>A. bivenosa</i>, <i>A. marramamba</i>, <i>A. pruinocarpa</i>, <i>A. tetragonophylla</i>, <i>Aristida holathera</i> var. <i>holathera</i>, <i>A. obscura</i>, <i>Corymbia deserticola</i> subsp. <i>deserticola</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Eremophila latrobei</i> subsp. <i>latrobei</i>, <i>Goodenia triodiophila</i>, <i>Indigofera monophylla</i>, <i>Paspalidium clementii</i>, <i>Psydrax suaveolens</i>, <i>Senna glutinosa</i> subsp. <i>glutinosa</i>, <i>S. glutinosa</i> subsp. <i>pruinose</i>, <i>S. stricta</i>, <i>Seringia exastia</i>, <i>Solanum centrale</i>, <i>Triodia melvillei</i>.</p>	RQ487	Excellent	34.7 (0.08)	 <p>Plate 27: Vegetation unit H42.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
Plains and Pediments				
<p>P1: <i>Acacia catenulata</i> subsp. <i>occidentalis</i>, <i>A. aptaneura</i> and <i>A. pruinocarpa</i> tall open shrubland to tall open scrub over <i>Sida ectogama</i>, <i>Eremophila forrestii</i> subsp. <i>forrestii</i> and/or <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3 scattered shrubs to open shrubland over (<i>Triodia pungens</i> and/or <i>T. melvillei</i> scattered hummock grasses to open hummock grassland over) <i>Aristida contorta</i>, <i>Perotis rara</i>, <i>Aristida obscura</i> (and other species) scattered annual grasses to open annual grassland (over <i>*Bidens bipinnata</i> scattered herbs to open herbland), with strong to weak banding on sheet flow hard pan clay plains.</p> <p>Associated species: <i>Abutilon otocarpum</i>, <i>Arivela viscosa</i>, <i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>, <i>Chrysopogon fallax</i>, <i>Digitaria ammophila</i>, <i>D. ctenantha</i>, <i>Enneapogon polyphyllus</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Grevillea berryana</i>, <i>Hibiscus burtonii</i>, <i>Maireana villosa</i>, <i>Paspalidium clementii</i>, <i>Psyrdrax latifolia</i>, <i>P. suaveolens</i>, <i>Solanum lasiophyllum</i>, <i>Spermacoce brachystema</i>.</p>	<p>RQ011, RQ016, RQ021, RQ036, RQ039, RQ043, RQ045, RQ047, RQ111, RQ130, RQ143, RQ156, RQ187, RQ224</p>	<p>Excellent – Very Good</p>	<p>4,635.1 (10.8)</p>	 <p>Plate 28: Vegetation unit P1.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P3: <i>Acacia pruinocarpa</i>, <i>A. catenulata</i> subsp. <i>occidentalis</i> and <i>A. aptaneura</i> tall open shrubland to tall open scrub over <i>Eremophila forrestii</i> subsp. <i>forrestii</i> scattered shrubs to shrubland over <i>Triodia pungens</i> very open hummock grassland to open hummock grassland on pediments and the edges of rocky plains.</p> <p>Associated species: <i>Abutilon otocarpum</i>, <i>Acacia tetragonophylla</i>, <i>Aristida contorta</i>, <i>Arivela viscosa</i>, <i>*Bidens bipinnata</i>, <i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>, <i>Chrysopogon fallax</i>, <i>Duperreya commixta</i>, <i>Enneapogon polyphyllus</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Hibiscus burtonii</i>, <i>Leichhardtia australis</i>, <i>Paraneurachne muelleri</i>, <i>Paspalidium clementii</i>, <i>Perotis rara</i>, <i>Psydrax latifolia</i>, <i>Psydrax suaveolens</i>, <i>Ptilotus exaltatus</i>, <i>P. obovatus</i> var. <i>obovatus</i>, <i>Senna artemisioides</i> subsp. <i>helmsii</i>, <i>S. notabilis</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ015, RQ017, RQ107, RQ118, RQ139, RQ151, RQ155</p>	<p>Excellent – Good</p>	<p>4,904.3 (11.5)</p>	 <p>Plate 29: Vegetation unit P3.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P1/P3 Mosaic: Mosaic of P1 weakly banded mulga vegetation with P3 rocky clay plain and pediment mulga shrublands</p>	<p>RQ007</p>	<p>Very Good</p>	<p>412.7 (1.0)</p>	 <p>Plate 30: Vegetation unit P1/P3 Mosaic.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P5: (<i>Eucalyptus victrix</i> scattered low trees to low open woodland over) <i>Acacia aptaneura</i> tall open shrubland to tall shrubland over (<i>Rhagodia eremaea</i> and or <i>Ptilotus obovatus</i> var. <i>obovatus</i> scattered low shrubs to shrubland over) <i>Aristida latifolia</i> and <i>Chrysopogon fallax</i> scattered tussock grasses to open tussock grassland over <i>Iseilema vaginiflorum</i>, <i>Urochloa occidentalis</i> var. <i>occidentalis</i> and <i>Enneapogon polyphyllus</i> very open annual grassland to annual grassland over <i>*Bidens bipinnata</i> scattered herbs on crabhole clay plains.</p> <p>Associated species: <i>Aristida contorta</i>, <i>Arivela viscosa</i>, <i>Boerhavia coccinea</i>, <i>*Chloris virgata</i>, <i>Convolvulus clementii</i>, <i>Cucumis melo</i>, <i>Dactyloctenium radulans</i>, <i>Dichanthium sericeum</i> subsp. <i>humilius</i>, <i>Duperreya commixta</i>, <i>Euphorbia australis</i> var. <i>glabra</i>, <i>E. biconvexa</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Perotis rara</i>, <i>Ptilotus exaltatus</i>, <i>P. xerophilus</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794), <i>Salsola australis</i>, <i>Sida fibulifera</i>, <i>Solanum lasiophyllum</i>, <i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113).</p>	<p>RQ005, RQ080, RQ090, RQ094, RQ097, RQ110, RQ157, RQ158, RQ178, RQ179, RQ188, RQ192</p>	<p>Excellent – Very Good</p>	<p>2,695.6 (6.3)</p>	 <p>Plate 31: Vegetation unit P5.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P8: (<i>Corymbia candida</i>, or <i>C. deserticola</i> subsp. <i>deserticola</i> and/or <i>Eucalyptus xerothermica</i> scattered low trees to open woodland over) <i>Acacia aptaneura</i> (<i>A. catenulata</i> subsp. <i>occidentalis</i> and <i>A. pruinocarpa</i>) tall open shrubland to tall open scrub over <i>Ptilotus obovatus</i> var. <i>obovatus</i> scattered low shrubs to low open shrubland over (<i>Triodia melvillei</i> scattered hummock grasses over) <i>Themeda triandra</i>, <i>Eriachne benthamii</i> and <i>Chrysopogon fallax</i> very open tussock grassland over <i>Aristida contorta</i>, <i>Perotis rara</i>, <i>Enneapogon polyphyllus</i> (and other species) scattered annual grasses to open annual grassland over <i>Bidens bipinnata</i> scattered herbs to very open hermland on hardpan clay plains.</p> <p>Associated species: <i>Aristida inaequiglumis</i>, <i>Aristida obscura</i>, <i>Arivela viscosa</i>, <i>Boerhavia coccinea</i>, <i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>, <i>Dactyloctenium radulans</i>, <i>Dichanthium sericeum</i> subsp. <i>humilius</i>, <i>Digitaria ammophila</i>, <i>Digitaria ctenantha</i>, <i>Euphorbia biconvexa</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Hibiscus burtonii</i>, <i>Panicum effusum</i>, <i>Pterocaulon sphacelatum</i>, <i>Ptilotus exaltatus</i>, <i>Ptilotus gaudichaudii</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794), <i>Sida fibulifera</i>, <i>Sida</i> sp. L (A.M. Ashby 4202), <i>Solanum lasiophyllum</i>, <i>Spermacoce brachystema</i>, <i>Sporobolus australasicus</i>.</p>	<p>RQ006, RQ008, RQ085, RQ120, RQ131, RQ271, RQ486, RQ520</p>	<p>Excellent – Very Good</p>	<p>2,406.9 (5.6)</p>	 <p>Plate 32: Vegetation unit P8.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P9: <i>Acacia aptaneura</i> scattered tall shrubs to tall open shrubland over <i>Eremophila lanceolata</i> or <i>E. caespitosa</i> and/or <i>Ptilotus schwartzii</i> var. <i>schwartzii</i> scattered low shrubs over (<i>Eriachne benthamii</i> and/or <i>Chrysopogon fallax</i> scattered tussock grasses over) <i>Aristida contorta</i> (<i>Perotis rara</i>, <i>Paspalidium rarum</i> and other species) scattered annual grasses to open annual grassland on hardpan clay plains.</p> <p>Associated species: <i>Abutilon otocarpum</i>, *<i>Bidens bipinnata</i>, <i>Cheilanthes sieberi</i> subsp. <i>Sieberi</i>, <i>Digitaria ctenantha</i>, <i>Enneapogon polyphyllus</i>, <i>Eremophila latrobei</i> subsp. <i>Filiformis</i>, <i>Eriachne flaccida</i>, <i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Fimbristylis dichotoma</i>, <i>Goodenia prostrata</i>, <i>Portulaca oleracea</i>, <i>Ptilotus gaudichaudii</i>, <i>Ptilotus obovatus</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794), <i>Senna notabilis</i>, <i>Sida fibulifera</i>, <i>Sida platycalyx</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ009, RQ010, RQ013, RQ018, RQ019, RQ095, RQ103, RQ109, RQ114, RQ125, RQ137, RQ145</p>	<p>Excellent – Very Good</p>	<p>2,963.5 (6.9)</p>	 <p>Plate 33: Vegetation unit P9.</p>


Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P8/P9 Mosaic: Mosaic of sparsely vegetated P9 with P8 mulga shrublands over tussock grasses on hardpan clay plains</p>	<p>RQ060, RQ076, RQ146, RQ147, RQ292, RQ294, RQ326</p>	<p>Excellent – Good</p>	<p>3,199.6 (7.5)</p>	 <p>Plate 34: Vegetation unit P8/P9 Mosaic.</p>

Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P13: (<i>Eucalyptus xerothermica</i> scattered low trees over) <i>Acacia aptaneura</i> and <i>Hakea lorea</i> subsp. <i>lorea</i> scattered tall shrubs to tall open shrubland over <i>Themeda triandra</i> and <i>Chrysopogon fallax</i> open tussock grassland to tussock grassland over <i>Iseilema vaginiflorum</i>, <i>Enneapogon polyphyllus</i>, <i>Eragrostis cumingii</i> (and other species) very open annual grassland to annual grassland over <i>Ptilotus polystachyus</i> and <i>Rhodanthe charsleyae</i> scattered herbs to very open hermland on crabhole clay plains.</p> <p>Associated species: <i>Acacia aptaneura</i>, <i>Alternanthera nana</i>, <i>Aristida contorta</i>, <i>Arivela viscosa</i>, <i>Bidens bipinnata</i>, <i>Chrysocephalum gilesii</i>, <i>Chrysopogon fallax</i>, <i>Convolvulus clementii</i>, <i>Cucumis variabilis</i>, <i>Enneapogon polyphyllus</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Hakea lorea</i> subsp. <i>lorea</i>, <i>Heliotropium tanythrix</i>, <i>Indigofera linifolia</i>, <i>Perotis rara</i>, <i>Ptilotus exaltatus</i>, <i>Ptilotus gaudichaudii</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794), <i>Themeda triandra</i>, <i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113).</p>	<p>RQ117, RQ269, RQ273</p>	<p>Excellent – Very Good</p>	<p>572.4 (1.3)</p>	 <p>Plate 35: Vegetation unit P13.</p>

Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P14: <i>Acacia catenulata</i> subsp. <i>occidentalis</i>, <i>A. aptaneura</i> and <i>A. pruinocarpa</i> tall open shrubland to tall open scrub over (<i>Sida ectogama</i> and/or <i>Eremophila forrestii</i> subsp. <i>forrestii</i> scattered shrubs to shrubland over) <i>Triodia melvillei</i> very open hummock grassland to open hummock grassland (over <i>Aristida contorta</i> and <i>Enneapogon polyphyllus</i> scattered annual grasses to very open annual grassland) on pediments and the edges of rocky plains.</p> <p>Associated species: <i>Acacia ayersiana</i>, <i>Aristida obscura</i>, <i>Arivela viscosa</i>, <i>*Bidens bipinnata</i>, <i>Digitaria ammophila</i>, <i>Digitaria ctenantha</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Grevillea berryana</i>, <i>Hibiscus burtonii</i>, <i>Maireana villosa</i>, <i>Perotis rara</i>, <i>Psydrax suaveolens</i>, <i>Ptilotus obovatus</i>, <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794), <i>Solanum lasiophyllum</i>.</p>	<p>RQ002, RQ025, RQ212, RQ214, RQ217</p>	<p>Excellent – Very Good</p>	<p>2,766.3 (6.5)</p>	 <p>Plate 36: Vegetation unit P14.</p>

Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P15: <i>Astrelba elymoides</i> (<i>Astrelba pectinata</i>, <i>Aristida latifolia</i> and <i>Chrysopogon fallax</i>) open tussock grassland to tussock grassland over <i>Dichanthium sericeum</i> subsp. <i>humilius</i>, <i>Iseilema vaginiflorum</i>, <i>Urochloa occidentalis</i> var. <i>occidentalis</i> and other species very open annual grassland with <i>Ipomoea lonchophylla</i>, <i>Euphorbia coghlanii</i> and <i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113) scattered herbs to open herbland on crabhole clay plains. May represent ‘West Angelas Cracking-Clays’ priority 1 PEC</p> <p>Associated species: <i>Abutilon malvifolium</i>, <i>Aristida contorta</i>, <i>Arivela viscosa</i>, <i>Boerhavia paludosa</i>, <i>Corchorus tridens</i>, <i>Cucumis melo</i>, <i>Cullen graveolens</i>, <i>Cynodon convergens</i>, <i>Enneapogon polyphyllus</i>, <i>Eragrostis tenellula</i>, <i>Eragrostis xerophila</i>, <i>Hibiscus verdcourtii</i>, <i>Indigofera linifolia</i>, <i>Lotus cruentus</i>, <i>Neptunia dimorphantha</i>, <i>Panicum laevinode</i>, <i>Phyllanthus maderaspatensis</i>, <i>Polygala glaucifolia</i>, <i>Portulaca oleracea</i>, <i>Ptilotus exaltatus</i>, <i>Ptilotus xerophilus</i>, <i>Rhynchosia minima</i>, <i>Sida fibulifera</i>.</p>	<p>RCC01, RCC02, RCC05, RCC06, RCC07, RCC08, RCC09, RCC10, RQ063, RQ100, RQ191, RQ275</p>	<p>Excellent – Very Good</p>	<p>76.1 (0.2)</p>	 <p>Plate 37: Vegetation unit P15.</p>

Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P16: (<i>Acacia aptaneura</i> scattered tall shrubs over) <i>Aristida latifolia</i>, <i>Eragrostis xerophila</i>, <i>Eriachne flaccida</i> (and other species) open tussock grassland (over mixed species scattered annual grasses to closed annual grassland with <i>Sida fibulifera</i> and <i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113) scattered herbs to very open herbland) on crabhole clay plains.</p> <p>Associated species: <i>Aristida contorta</i>, <i>Astrebla elymoides</i>, <i>Boerhavia paludosa</i>, <i>Chrysopogon fallax</i>, <i>Convolvulus clementii</i>, <i>Cucumis variabilis</i>, <i>Dichanthium sericeum</i> subsp. <i>humilius</i>, <i>Enneapogon polyphyllus</i>, <i>Eragrostis setifolia</i>, <i>Eremophila longifolia</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Indigofera linifolia</i>, <i>Iseilema vaginiflorum</i>, <i>Neptunia dimorphantha</i>, <i>Ptilotus exaltatus</i>, <i>Ptilotus obovatus</i> var. <i>obovatus</i>, <i>Rhagodia eremaea</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ056, RQ065, RQ067, RQ081, RQ129</p>	<p>Excellent – Very Good</p>	<p>170.4 (0.4)</p>	 <p>Plate 38: Vegetation unit P16.</p>

Vegetation unit code and description	Site(s)	Vegetation condition	Total area (ha) (proportion of survey area %)	Representative photograph
<p>P18: <i>Acacia aptaneura</i>, <i>A. tetragonophylla</i> and <i>A. catenulata</i> subsp. <i>occidentalis</i> tall open shrubland over <i>Eremophila galeata</i> scattered shrubs over (<i>Triodia pungens</i> scattered hummock grasses over) <i>Aristida contorta</i> (and other species) very open annual grassland on hard pan clay plains.</p> <p>Associated species: <i>Acacia rhodophloia</i>, <i>Anthobolus leptomerioides</i>, <i>*Bidens bipinnata</i>, <i>Calandrinia stagnensis</i>, <i>Acacia rhodophloia</i>, <i>Anthobolus leptomerioides</i>, <i>*Bidens bipinnata</i>, <i>Calandrinia stagnensis</i>, <i>Enneapogon polyphyllus</i>, <i>Enteropogon ramosus</i>, <i>Eremophila forrestii</i> subsp. <i>forrestii</i>, <i>Eremophila latrobei</i> subsp. <i>filiformis</i>, <i>Eriachne pulchella</i> subsp. <i>pulchella</i>, <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>, <i>Fimbristylis dichotoma</i>, <i>Grevillea berryana</i>, <i>Heliotropium tanythrix</i>, <i>Hibiscus coatesii</i>, <i>Paspalidium rarum</i>, <i>Perotis rara</i>, <i>Polygala glaucifolia</i>, <i>Psydrax latifolia</i>, <i>Ptilotus roei</i>, <i>Senna glaucifolia</i>, <i>Solanum lasiophyllum</i>.</p>	<p>RQ163, RQ173, RQ174</p>	<p>Very Good</p>	<p>114.3 (0.3)</p>	 <p>Plate 39: Vegetation unit P18.</p>
<p>Rehabilitation: Mixed <i>Acacia</i> spp. regrown over mixed tussock grasses and herbs</p>	<p>N/A</p>	<p>Poor - Completely Degraded</p>	<p>68.2 (0.2)</p>	<p>N/A</p>
<p>Cleared</p>	<p>N/A</p>	<p>Completely Degraded</p>	<p>1,178.7 (2.8)</p>	<p>N/A</p>

4.2.1.1 Significant Vegetation

The assessment of significant vegetation was considered using the EPA Environmental Factor Guideline for Flora and Vegetation (Environmental Protection Authority 2016b). No Commonwealth or State listed TECs were recorded in the survey area.

Vegetation unit P15 is analogous to the ‘West Angelas Cracking-Clays’ priority 1 PEC. Vegetation unit P15 is described as *Astrelba elymoides* (*Astrelba pectinata*, *Aristida latifolia* and *Chrysopogon fallax*) open tussock grassland to tussock grassland over *Dichanthium sericeum* subsp. *humilius*, *Iseilema vaginiflorum*, *Urochloa occidentalis* var. *occidentalis* and other species very open annual grassland with *Ipomoea lonchophylla*, *Euphorbia coghlanii* and *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113) scattered herbs to open herbland on crabhole clay plains; this is the same description as is listed for the PEC. Twelve sites were sampled from this vegetation unit (Table 15) during at least one post-wet season and therefore, most ephemeral and annual species expected to occur within this grassland have been recorded. Vegetation condition ranged from Excellent to Very Good.

The total area of vegetation unit P15 is 76.1 ha and encompasses 0.2% of the survey area. Astron identified numerous small occurrences (323 polygons ranging from <0.1 ha to 6.6 ha) distributed across the western and southern portion of the survey area. The mapping of vegetation unit P15 was refined following the field survey using 5 cm imagery supplied by Rio Tinto, as this allowed visual recognition of the *Astrelba* grassland as distinct from its surroundings. All records of vegetation unit P15 within the survey area are located on the Wannamunna, Spearhole, Rocklea and Newman land systems. The sites typically occur on clay loam or cracking clay flat plains. Vegetation considered likely to represent the ‘West Angelas Cracking-Clays’ priority 1 PEC is mapped in Figure K.1a (Appendix K).

Vegetation unit D12 may represent the ‘Coolibah – Lignum Flats: sub type 1’ priority 3 PEC. The ‘Coolibah – Lignum Flats: sub type 1’ PEC is described as woodland or forest of *Eucalyptus victrix* (coolibah) over thicket of *Duma florulenta* (lignum) on red clays in run-on zones (Department of Biodiversity, Conservation and Attractions 2021f). Vegetation unit D12 is described as *Eucalyptus victrix* open woodland over *Acacia aptaneura* scattered tall shrubs to tall open shrubland over *Duma florulenta* (and *Rhagodia eremaea*) open shrubland to shrubland over *Chrysopogon fallax*, *Eriachne flaccida*, *Eulalia aurea* and/or other species very open tussock grassland with *Urochloa occidentalis* var. *ciliata*, *Digitaria ctenantha* and *Enneapogon polyphyllus* annual grassland on broad drainage depressions within crabhole clay plains. In the survey area, vegetation unit D12 is located on the Wannamunna land system with sites described as sandy clay loam plains, crabhole plains or broad drainage depressions and creeks over calcrete and ironstone. Species associated with this vegetation type include: *Abutilon fraseri* subsp. *fraseri*, *Themeda triandra*, *Enneapogon robustissimus* and *Astrelba elymoides*. Three polygons of vegetation unit D12 were identified and mapped within the survey area, totalling 11.9 ha. The two larger occurrences are located centrally within the survey area and encompass 7.7 ha and 3.2 ha. The third polygon is located approximately 4.8 km to the west of other two occurrences and is 1.0 ha in size. Vegetation unit D12 covers 0.03% of the survey area. The potential ‘Coolibah – Lignum Flats: sub type 1’ PEC is mapped in Figure K.1a-K.1b (Appendix K).

Vegetations units P5, P13 and P16 often occur in association with vegetation unit P15 and occur on the same crab-hole/cracking clay soils, however, are not considered part of the ‘West Angelas Cracking-Clays’ PEC. Vegetation unit P5 is a mulga woodland over mixed tussock grassland, P13 is a grassland dominated by *Themeda* spp., and P16 is a grassland dominated by *Eragrostis* spp.; these vegetation units are of interest due to their species assemblages and the restricted cracking clay landform on which they occur, which has restricted distribution across the Pilbara and therefore may be of regional significance. Vegetation unit P5 comprises 2,695.6 ha (6.3%), P13 comprises 572.4 ha (1.3%) and P16 comprises 170.4 ha (0.4%), totalling 3,438.4 ha (8.0%) of the survey area. All three vegetation units are considered in Excellent to Very Good condition.

Vegetation unit P1 represents a banded mulga community, which has been discussed as an ‘Ecosystem at Risk’ as part of the Biodiversity Audit of Western Australia’s 53 Biogeographical Subregions (Department of Conservation and Land Management 2002). This vegetation is analogous to ‘grove/inter-grove mulga, eastern Hamersley Range’ which is considered to be threatened by pastoral grazing of cattle. Other threats include grazing by feral species including donkeys, horses and feral cattle, and invasive weeds, such as **Rumex vesicarius* (ruby dock) (Kendrick 2001). It is further threatened by water shadows from linear infrastructure which change the particular hydrology this vegetation type is formed by (Department of Conservation and Land Management 2002). Disturbance to banded mulga communities may affect water and nutrient flows as well as transport of sediments to other landforms and vegetation types within a landscape (Page 2013). This vegetation unit occurs across 4,625.1 ha (10.8%) of the survey area, with condition ranging from Excellent to Very Good.

Vegetation units P8 (2,406.9 ha, 5.6%), P9 (2,963.5 ha, 6.9%) and the P8/P9 Mosaic (3,199.6 ha, 7.5%), represent hard pan mulga communities totalling 8,490 ha (20.0%) of the survey area. These three vegetation units of hardpan mulga communities rely heavily on sheet flow drainage and are highly susceptible to hydrological changes (Ecologia Environment 2013). Changes in sheet flow communities can also affect downstream vegetation types, and thus play an important role in the landscape. The EPA Environmental Factor Guideline for Flora and Vegetation considers vegetation units that provide an important requirement to maintaining the ecological integrity to a significant ecosystem as significant themselves. Both hard pan and banded mulga communities are circumjacent to the two PEC communities located in the survey area, and as such play an important function in hydrological movements across the landscape into the PEC communities (Environmental Protection Authority 2016a)

Four vegetation types (D13, H20, P18 and D19) are considered likely to be of local or regional significance due to their restricted distribution and unique assemblage of species. Vegetation unit D13 (*Eucalyptus victrix* open woodland over *Eulalia aurea* and *Eriachne flaccida* closed tussock grassland on soak/drainage depression areas where there is seasonal inundation within a clay plain), contains vegetation which may represent a Groundwater Dependent Ecosystem (GDE). D13 is a low-lying depression, dominated by the facultative phreatophyte *Eucalyptus victrix* (Mensforth et al. 1994, Pfautsch et al. 2014). The vegetation unit is unique and limited in distribution. It consists of two small areas, both of which were in Excellent condition, that showed evidence of inundation for long periods. Two relevés were sampled within this vegetation type. Due to its location in a heritage area, quadrats were unable to be installed. Two polygons occur in the east side of the survey area comprising a total of 11.1 ha (0.03%).

Vegetation unit H20 (*Eucalyptus victrix* and *Corymbia candida* scattered low trees to open woodland over *Acacia aptaneura*, *A. pruinocarpa* (and *A. tetragonophylla*) tall open shrubland to tall shrubland over *Ptilotus obovatus* var. *obovatus* low open shrubland to low shrubland over (*Triodia wiseana* open hummock grassland over **Cenchrus ciliaris* and *Themeda triandra* very open tussock grassland with) *Digitaria ctenantha*, *Enneapogon caeruleus* and *Enneapogon lindleyanus* open annual grassland) is limited to small calcrete rises amongst the clay plains but lacking the characteristic mallee species of larger calcrete hills. It appears to be limited in distribution both within the survey area and within the Pilbara region. Seventeen polygons of this vegetation unit encompass 39.2 ha (0.09%) within the survey area, with vegetation ranging from Excellent to Good condition.

Vegetation unit P18 and unit D19 may be of elevated significance as uncommon communities with limited distributions. A species originally identified as *Paranotis pterospora* has been redescribed as the new species *Paranotis* sp. Pilbara (H. Ajduk HAOP04a) P1. *Paranotis* sp. Pilbara (H. Ajduk HAOP04a) P1, has seven records lodged with the WA Herbarium, one originally collected in February 2021 and an additional six specimens from March 2021 (Western Australian Herbarium 2021). All specimens lodged with the WA Herbarium occur within D19 within the survey area (Western Australian

Herbarium 2021). P18 is a hardpan clay plain that surrounds the D19 drainage line and may provide sheet flow into the D19 drainage line. Both vegetation units are also characterised by *Eremophila galeata* which is at the northern extent of its distribution in the survey area. Both vegetation units occur at the eastern edge of the survey area. Three quadrats have been established in vegetation unit P18 and one relevé was sampled in vegetation unit D19. Vegetation unit P18 was in Very Good condition and was mapped from three polygons covering 114.3 ha (0.3%). Two polygons of D19 covering 29.0 ha (0.07%) were mapped within the survey area, both of which were in Very Good condition.

All vegetation considered to be of regional significance in the survey area is mapped in Figure K.2, Appendix K. The remaining vegetation recorded in the survey area is considered widespread and representative of the vegetation expected on comparable landforms in the broader region (Beard 1975b, Kendrick 2001).

4.2.1.2 Vegetation Condition

Vegetation in the survey area ranged from Excellent to Poor (Trudgen 1988) condition (Table 16 and Figure L; Appendix L). The majority of the survey area was considered in Very Good (54.8%) and Excellent (41.7%) condition. The portion (13.1 ha) of the survey area in Poor condition was entirely associated with rehabilitation areas. The vegetation across the rocky hills was generally considered Excellent. The majority of the clay plains were rated Very Good, rather than Excellent, due to the presence of weeds, especially *B. bipinnata*, as well as evidence of feral camel grazing.

Areas cleared of vegetation, including tracks, roads and drill pads, and some rehabilitated areas, were rated as Completely Degraded and account for 1,233.8 ha (2.9%) of the survey area. Cleared areas are likely to be more extensive than mapped, as recently cleared tracks and drill pads have not yet been included in the disturbance layer used to digitise cleared areas.

Table 16: Vegetation condition recorded for the survey area.

Vegetation condition	Total mapped area within the survey area (ha)	Proportion of survey area (%)
Excellent	17,867.3	41.7
Very Good	23,447.1	54.8
Good	262.4	0.6
Poor	13.1	<0.1
Completely Degraded	1,233.8	2.9

4.2.2 Flora

There were 563 confirmed vascular flora taxa, from 60 families and 196 genera, recorded in the survey area. Forty-four specimens were tentatively identified to species level but could not be confirmed without better material. This included one potential significant species, *Goodenia ?nuda* P4, which was represented by three specimens from six locations; as a precautionary measure these specimens have been treated as potential priority flora. A further 15 specimens, representing 10 genera, could be identified to genus only. One specimen could only be identified to family (Poaceae sp.). One specimen was identified to species level but was unable to confirm subspecies status (*Eremophila forrestii ?subsp. forrestii*). Eight specimens, representing three species, were identified as potential hybrids that are not recognised by the WA Herbarium (*Enchylaena tomentosa* x *Maireana georgei*, *Maireana planifolia* x *villosa* and *Senna artemisioides* subsp. *Helmsii* x *oligophylla*).

Three specimens were identified by WA herbarium taxonomists as affinis (aff.): *Euphorbia* aff. *ferdinandi*, *Iseilema* aff. *membranaceum*, and *Sclerolaena* aff. *diacantha*. The specimen of *E.* aff. *ferdinandi* differs from the usual form in that its seeds are relatively broad and compressed with the styles divided (they are usually entire or slightly bifid). This specimen matches other material from the Pilbara region at the WA Herbarium and it may be worth recognising at some level (sp., subsp. or var), but further taxonomic work would be required to verify that it is not a range extension of a named taxon; this specimen did not match any named taxon and could represent a taxon not previously recorded from Western Australia (pers. comm. S. Dillon, WA Herbarium, 2020). The *I.* aff. *membranaceum* specimen is unusual as it has involucre spikelets up to 5.5 mm long, compared to 3.5 (-4.0) mm typical in the usual form (pers. comm. S. Dillon, WA Herbarium, 2020). The specimen of *S.* aff. *diacantha* has atypically small fruit and spines and is part of the *S. uniflora* complex, which has over 10 species (pers. comm. S. Dillon, WA Herbarium, 2020).

An additional specimen (*Themeda triandra*/sp. Hamersley Station (M.E. Trudgen 11431)) was identified by a WA Herbarium taxonomist as potentially *T.* sp. Hamersley Station (M.E. Trudgen 11431) P3 but has morphometric characters similar to *T. triandra* also. As a precautionary measure this specimen has been treated as a priority.

Sixty-three taxa in the species list were identified to the lowest possible level in the field and were not collected due to lack of diagnostic material and/or likelihood that specimens would not be successfully pressed due to their brittle state. These taxa have been included in the data and are indicated by a '?' prior to the genus and/or species name, or identified as a family or genus 'sp.', depending upon the level of confidence in the field identification. A number of *Euphorbia* species look very similar when no fruits are present. Where these species were encountered sterile in the field they were often classified and referred to as *Euphorbia biconvexa/coghlanii/trigonosperma* (sterile indet.) or *Euphorbia boophthona/tannensis*; the botanists were confident they represented one of these *Euphorbia* species but were unable to determine which one. None of these indeterminate entities are considered likely to represent significant species. This lack of identifiable and diagnostic plant material, both with returned specimens and in the field, is symptomatic of the poor season in 2019 and average season in 2020.

Scaevola browniana is thought to be part of a complex of entities, however they have not been formally studied and further work is required to determine them; as such all variations within the complex have been referred to as *Scaevola browniana* subsp. *browniana*, the only subspecies of *S. browniana* recognised in the Pilbara.

The dominant plant families were Poaceae, Fabaceae and Malvaceae (Table 17). *Acacia* was the most frequently recorded genus with 44 species. A species list for the survey area and a matrix indicating species recorded within each quadrat and relevé is presented in Appendix M.

Table 17: Taxa most frequently recorded in the survey area.

Family	Number of species
Poaceae	126
Fabaceae	109
Malvaceae	72
Genus	Number of species
<i>Acacia</i>	44
<i>Sida</i>	27
<i>Senna</i>	23

4.2.2.1 Significant Flora

The assessment of significant flora was considered using the EPA Environmental Factor Guideline for Flora and Vegetation (Environmental Protection Authority 2016b). No State or Commonwealth listed threatened flora were recorded within the survey area during the survey.

Targeted searches in potential habitat and opportunistic recordings identified 21 State listed priority flora species within the survey area from the current survey: two P1, six P2, 12 P3 and one P4 (Table 18). Significant flora locations from this survey are mapped in Figure N.1-N.11 (Appendix N). Habitat and abundance details for these species are summarised below and in Table 18. Six additional State listed priority flora taxa were previously recorded within the survey area but not encountered during the current survey: *Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) P1, *Teucrium pilbaranum* P2, *Rostellularia adscendens* var. *latifolia* P3, *Xerochrysum boreale* P3, *Acacia bromilowiana* P4 and *Lepidium catapycnon* P4 (Rio Tinto 2019a, Astron Environmental Services 2021a).

Determining regional abundance for significant flora for the whole of the Pilbara, to provide context, is difficult as there is no current complete state dataset for significant flora species. As such, regional data here is based on records from the Rio Tinto database for a 200 km buffer around the survey area and is inclusive of the Rhodes Ridge Unpublished Dataset for Rio Tinto (Astron Environmental Services 2021a) and current survey. It is assumed that these abundances are an underestimation for the Pilbara bioregion. The WA Herbarium and TPFL results have been addressed separately to provide context for geographic distribution within the region (Department of Biodiversity, Conservation and Attractions 2021b, Western Australian Herbarium 2021).

Table 18: Significant flora recorded in the survey area.

Species	Current recorded abundance within the NVCP survey area	Abundance from all surveys within the NVCP survey area ¹	Estimated total known abundance within a 200 km radius ⁴	Habitat	Vegetation unit/s from all surveys within the NVCP survey area
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1	2	2	22	Clay Plains and Hillslopes	P8, H19
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1	1	84	85	Drainage lines and alluvial plains	D19, P18
<i>Vittadinia</i> sp. Coondewanna Flats (S. van Leeuwen 4684) P1 ²	0	1	13,268	Clay plains	P9
<i>Aristida lazardis</i> P2	222	1,397	11,121	Major and minor creeks/drainage lines and clay plains	D1, D5, P3, P5, P13, P14
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	1,034	1,034	1,066	Cracking clays and self-mulching cracking clay with minor drainage/depression	P15
<i>Hibiscus</i> sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2	292	292	5,642	Breakaways, gorges and gullies and Hillslopes	G3, G24, H22, H27
<i>Ipomoea racemigera</i> P2	1	1	677	Minor drainages	D2
<i>Isotropis parviflora</i> P2	7	27	6,586	Hillslopes and footslopes	H3, H14, H19
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2	4	4	462	Clay plains and gullies	H27, P8
<i>Teucrium pilbaranum</i> P2 ²	0	1	1	Plains	P8/P9 Mosaic
<i>Acacia subtiliformis</i> P3	20,444	20,727	144,228	Plains, clay plains, stony plains and residual rises, hillslopes and major drainages	D5, H10, H12, H21, P14, P3
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	1,875	3,550	7,503	Plains, clay plains, floodplains, breakaways and gorges	G24, H3, H19, H21, H22, P1, P3, P5, P8, P8/P9 Mosaic, P9, P14,

Species	Current recorded abundance within the NVCP survey area	Abundance from all surveys within the NVCP survey area ¹	Estimated total known abundance within a 200 km radius ⁴	Habitat	Vegetation unit/s from all surveys within the NVCP survey area
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	1,351	1,351	7,295	Cracking clays and self-mulching cracking clay with minor drainage/depression	P15
<i>Euphorbia australis</i> var. <i>glabra</i> P3	743	743	809	Plains, clay plains, cracking clays and self-mulching cracking clay with minor drainage/depression, drainage lines	D13, P5, P15, P16
<i>Glycine falcata</i> P3	58	58	1,958	Clay plains, self-mulching cracking clay with minor drainage/depression and drainage lines	D12, P3, P15, P16
<i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) P3	6	83	76,352	Plains and drainage lines	D13, P13, P16
<i>Indigofera gilesii</i> P3	1,863	3,945	7,430	Major and minor drainages. Breakaways, gorges, gullies and hillslopes.	D1, G3, G24, H3, H11, H15, H19, H22, H27, P3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	22,350	45,660	59,971	Plain, clay plain, stony plain, floodplain, drainage depression, minor drainage and creeks. Breakaways, gorges, gullies, hillslopes, footslopes, rises and crests.	D1, D2, D5, D8, D12, G3, G24, H3, H10, H11, H12, H14, H15, H19, H20, H21, H22, H26, H27, P1, P3, P1/P3 Mosaic, P5, P8, P9, P8/P9 Mosaic, P13, P14, P15, P16, P18, Rehab
<i>Rostellularia adscendens</i> var. <i>latifolia</i> P3 ²	0	100	4,509	Plains and clay plains.	P13 and P8/P9 Mosaic

Species	Current recorded abundance within the NVCP survey area	Abundance from all surveys within the NVCP survey area ¹	Estimated total known abundance within a 200 km radius ⁴	Habitat	Vegetation unit/s from all surveys within the NVCP survey area
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3	3	3	15	Cracking clays and self-mulching cracking clay with minor drainage/depression	P15
<i>Swainsona thompsoniana</i> P3	113	113	2,498	Clay plains and self-mulching cracking clay with minor drainage/depression	P15
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	283	2,619	301,231	Plain, clay plain and drainage lines	D12, P1, P5, P8, P9, P8/P9 Mosaic, P13, P14, P15
<i>Themeda triandra</i> /sp. Hamersley Station (M.E. Trudgen 11431) (potential P3) ³	65	65	N/A	Drainage lines and plains	D8, P5
<i>Triodia</i> sp. Mt Ella (M.E. Trudgen 12739) P3	800	3,440	149,432	Gorges, gullies, hillslopes and drainage lines	D1, G3, H3, H22, H27
<i>Xerochrysum boreale</i> P3 ²	0	1	1	Clay plains	P8
<i>Acacia bromilowiana</i> P4 ²	0	1	3,445	Hillslope	H25
<i>Goodenia nuda</i> P4	855	5,332	10,831	Plain, clay plain and minor drainages	D2, H19, P18, P3, P5, P8, P8/P9 Mosaic, P9
<i>Lepidium catapycnon</i> P4 ²	0	1,879	45,383	Hillslopes and plains.	H12, H15, H27, P1, P14

¹ – Includes all records from the current survey and previous records within the survey area (Rio Tinto 2021b).

² – Taxa not observed in current survey, but previous records exist within the survey area.

³ – Potential priority flora. This specimen is treated as a priority species as a precautionary measure.

⁴ – Population counts from records for each species that occur on the RTIO database for a 200km buffer around the survey area (Rio Tinto 2021c) and the greater Rhodes Ridge Dataset (Astron Environmental Services 2021a).

***Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1**

Eragrostis sp. Mt Robinson (S. van Leeuwen 4109) P1 was recorded from two locations and two individuals, on clay plains and hillslopes, from the current survey. One location was in P8 and the other in the H19 vegetation unit. The abundance at each location was one individual; this is considered an underestimation of the total abundance within the survey area. The two specimens were identified by the WA Herbarium. It is noted that this taxon is part of the *Eragrostis eriopoda* complex and further work is required to determine its validity (Rio Tinto and Western Australian Herbarium 2015).

Current information suggests that 9% of the known abundance of *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1 occurs in the survey area (Rio Tinto 2021c). The other 91% of the records have been recorded from the greater Rhodes Ridge area from three locations, the closest of which is 3 km from the survey area (Astron Environmental Services 2021a). There are five specimens lodged with the WA Herbarium, all of which are located on Mount Robinson approximately 30 km west of the survey area (Western Australian Herbarium 2021). As such there are only two known localities of *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1 within the state. The records within and surrounding the survey area are considered an extension of the current known distribution of the species.

***Paranotis* sp. Pilbara (H. Ajduk HAOP04a) P1**

Paranotis sp. Pilbara (H. Ajduk HAOP04a) P1 was recorded from one individual in one location from the current survey, in vegetation type D19. An additional 28 locations consisting of 77 individuals were recorded from other surveys undertaken by Rio Tinto staff within the survey area (Rio Tinto 2021b). An additional seven specimens have been lodged with the WA Herbarium (Western Australian Herbarium 2021), totalling a population count of 85 individuals. All known records of *Paranotis* sp. Pilbara (H. Ajduk HAOP04a) P1 occur within the survey area and all occur, either within, or immediately adjacent to, vegetation type D19.

This species was initially collected by Hayden Ajduk (Rio Tinto) and then described and determined by Steven Dillon (WA Herbarium) from a specimen located within the current survey area in February 2021. To date, extensive surveys across the Pilbara have not been conducted for this species but it is possible that it has previously been mis-identified as *Paranotis pterospora*, which occurs across the Great Sandy Desert region and in adjacent areas of the Pilbara (Western Australian Herbarium 2021).

***Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) P1**

Vittadinia sp. Coondewanna Flats (S. van Leeuwen 4684) P1 was not recorded in the current survey. However, it was recorded in the WA Herbarium Database search from one location (abundance not recorded) on clay plains, which were mapped as vegetation unit P9 in the current survey (Department of Biodiversity, Conservation and Attractions 2021c). An additional eight records from the WA Herbarium Database were recorded within 50 km of the survey area (Department of Biodiversity, Conservation and Attractions 2021c). Twenty-five specimens have been lodged with the WA Herbarium from Jimblebar in the south-east to Nammuldi in the north-west (Western Australian Herbarium 2021). From a regional perspective <0.1% of the known 13,268 individuals known to occur have been recorded within the survey area (Rio Tinto 2021c). However, comprehensive searches for this species were not undertaken in an appropriate season during the survey and therefore there is potential more records may occur.

***Aristida lazaridis* P2**

Aristida lazaridis P2 has been previously recorded from 43 locations within two drainage line communities (mapped as vegetation units D1 and D5 in the current survey) and on four plains communities (vegetation units P3, P5, P13 and P14) (Rio Tinto 2021b). The current survey recorded 17 locations (222 individuals) with an additional 26 locations of *A. lazaridis* P2 recorded from previous surveys within the survey area; in total 1,397 individuals have been recorded from the survey area (Rio Tinto 2021b). Of the 21 specimens lodged with the WA Herbarium, one specimen occurs in the northern section of the survey area, in a now-cleared area adjacent to vegetation unit P14. The current known distribution of *A. lazaridis* P2 across the Pilbara is localised to 33 km north-west of Newman to near the Rangers Station, Karijini National Park (Department of Biodiversity, Conservation and Attractions 2021c). *Aristida lazaridis* P2 also occurs in Queensland and the Northern Territory (Simon and Alfonso 2016).

From a regional perspective 13% of the known individuals occur within the survey area, although the population numbers presented in Table 18 are not considered to be comprehensive counts of entire populations within the survey area; it is likely that the sampled populations extend further along the drainage lines than recorded (Rio Tinto 2021c).

***Euphorbia inappendiculata* var. *inappendiculata* P2**

Euphorbia inappendiculata var. *inappendiculata* P2 was recorded from six locations (1,034 individuals) during the current survey, with abundance ranging from one to 1,000 individuals. *Euphorbia inappendiculata* var. *inappendiculata* P2 locations are scattered throughout the survey area in cracking clays and self-mulching cracking clay with minor drainage lines/depressions associated with vegetation unit P15. Vegetation unit P15 has affinity with the ‘West Angelas Cracking-Clays’ priority 1 PEC. Due to average and below average rainfall for the first two years of survey, it is likely that *E. inappendiculata* var. *inappendiculata* P2 is more widespread throughout the associated vegetation and/or habitat types. The recorded abundance of 1,034 individuals is not considered to be a comprehensive estimate of total abundance within the survey area. *Euphorbia inappendiculata* var. *inappendiculata* P2 has 11 specimens in the WA Herbarium, with a distribution ranging from Two Mile Creek in the north, to east of Jumblebar and west to Barlee Range Nature Reserve (Western Australian Herbarium 2021).

Current knowledge of *E. inappendiculata* var. *inappendiculata* P2 indicates that up to 97% of its known regional abundance occurs within the survey area, with the additional 3% known from the greater Rhodes Ridge area (Astron Environmental Services 2021a).

***Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2**

Hibiscus sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2 was recorded within breakaway, gorge and gully habitats located on the range north of the Great Northern Highway, within vegetation units G3, G24, H22 and H27. There are 17 occurrences totalling 292 individuals of *H. sp.* Gurinbiddy Range (M.E. Trudgen MET 15708) P2 from the current survey. Although some priority searches have been conducted on the range (Figure E.1, Appendix E), it is likely that this species is more widespread within this habitat.

There are 24 specimens lodged with the WA Herbarium, of these six occur within 50 km of the survey area, the closest 12 km away (Department of Biodiversity, Conservation and Attractions 2021c). The distribution of *H. sp.* Gurinbiddy Range (M.E. Trudgen MET 15708) P2 in the Pilbara is from 21.7 km north-east of Paraburdoo to Lyndon River (Western Australian Herbarium 2021). An estimated 5% of

the known population of *H. sp.* Gurinbiddy Range (M.E. Trudgen MET 15708) P2 may occur within the survey area (Rio Tinto 2021c).

***Ipomoea racemigera* P2**

One individual of *Ipomoea racemigera* P2 was recorded in the south-east of the survey area in vegetation unit D2 within a minor drainage line from the current survey. There are nine specimens of *I. racemigera* P2 lodged with the WA Herbarium (Western Australian Herbarium 2021). Two records occur within 50 km of the survey area according to the WA Herbarium Database; one record 31 km to the south-east and the other 44 km to the north-west of the survey area (Department of Biodiversity, Conservation and Attractions 2021c). It is apparent from the low numbers of specimens lodged in the WA Herbarium that *I. racemigera* P2 is under-collected in the state and is likely to be more widespread than currently known. As an ephemeral taxon it is possible it may be encountered during more favourable seasons within the survey area. The single record of *I. racemigera* P2 within the survey area represents 0.1% of the total known regional population (Rio Tinto 2021c).

***Isotropis parviflora* P2**

Isotropis parviflora P2 was recorded from four records and seven individuals on hillslopes and foot slopes within vegetation unit H14 from the current survey. An additional 20 individuals were recorded from previous surveys within vegetation mapped during the current survey as H3 and H14 (Rio Tinto 2021b). There is one record of *I. parviflora* P2 from the WA Herbarium Database that occurs within the survey area in vegetation mapped as H19 (Department of Biodiversity, Conservation and Attractions 2021c). This record was not verified during the current survey. There are 30 records of *I. parviflora* P2 lodged with the WA Herbarium, 26 occur in the Pilbara region and range from Wittenoom to Shovelanna Hill (Western Australian Herbarium 2021).

From a regional perspective, an estimated 0.4% of the known population may occur within the survey area, although systematic searches were not conducted for this taxon and as such the recorded abundance is not a comprehensive assessment of the total abundance occurring in the survey area (Rio Tinto 2021c). It may occur elsewhere within the survey area in suitable habitat not targeted during the current survey.

***Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2**

Oxalis sp. Pilbara (M.E. Trudgen 12725) P2 was recorded from two locations and four individuals within vegetation units H27 and P8 from the current survey. One record from the WA Herbarium Database is located within the survey area, on a hilltop (vegetation unit H27), outside the normal habitat range for this species; this record is from 1995 and is likely to have inaccurate location data (Department of Biodiversity, Conservation and Attractions 2021c). An additional five records of *O. sp.* Pilbara (M.E. Trudgen 12725) P2 are located within 50 km of the survey area, the closest being 30 km to the west (Department of Biodiversity, Conservation and Attractions 2021c, Western Australian Herbarium 2021). The 15 records lodged with the WA Herbarium were collected from May to September, which aligns with the two collections made from the current survey (August 2019 and June 2021) (Western Australian Herbarium 2021), indicating that this species may have a narrow period of time to be observed within. *Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2 ranges from Mount Farquhar in the north-west to Pamelaia, Hamersley Range in the south-east of the Pilbara region (Western Australian Herbarium 2021).

From a regional perspective, <1% of the known abundance occurs within the survey area (Rio Tinto 2021c). It is likely this species is more widespread throughout the survey area and possibly the Pilbara, however, its ephemeral short-lived nature mean that it may only be observable for a limited period of time.

***Teucrium pilbaranum* P2**

Teucrium pilbaranum P2 was not recorded from the current survey. *Teucrium pilbaranum* P2 was previously recorded from two locations (Rio Tinto 2021b), however one of these records is noted in the Rio Tinto Database to be an erroneous location which has since been corrected to the location of the second point; as such it has been omitted from the dataset (Rio Tinto 2021b). The single previously recorded *T. pilbaranum* P2 location was recorded from vegetation mapped as P8/P9 Mosaic in the current survey. This record was not confirmed during the current survey. There is potential that *T. pilbaranum* P2 may occur within this vegetation unit and associated habitats. However, *T. pilbaranum* P2 has morphometric similarities to *T. teucriflorum* which is common in the area and as such it is possible that the single location within the survey area has been mis-identified. The 21 specimens lodged with the WA Herbarium are all located to the north-west of the survey area, with the closest record 42 km away and ranging as far as Millstream Chichester National Park (Western Australian Herbarium 2021). The previous record in the survey area is considered a range extension of the known populations of *T. pilbaranum* P2. No other records of *T. pilbaranum* P2 were available from the Rio Tinto dataset (Rio Tinto 2021c).

***Acacia subtiliformis* P3**

Acacia subtiliformis P3 was recorded from 190 locations across the survey area with a total of 20,444 individuals observed from the current survey. An additional 283 individuals (80 locations) were recorded from previous surveys (Rio Tinto 2021b), totalling 20,727 individuals. A total of 241 previous locations were recorded from vegetation units on low hills (H10, H12 and H21), 13 locations from plains (P3 and P14) and a single location on drainage unit D5. An additional 15 locations were recorded on areas now mapped as cleared. This species was commonly associated with calcrete rises and plateaus in the current survey. There are 23 specimens of *A. subtiliformis* P3 lodged with the WA Herbarium ranging from Giles South in the south-east to Marillana Station in the north-west (Western Australian Herbarium 2021).

Twenty-five records of *A. subtiliformis* P3 occur within 50 km of the survey area (Department of Biodiversity, Conservation and Attractions 2021b, 2021c). Regionally, up to 14% of the known population of *A. subtiliformis* P3 may occur within the survey area (Rio Tinto 2021c).

***Aristida jerichoensis* var. *subspinulifera* P3**

Aristida jerichoensis var. *subspinulifera* P3 was recorded from 1,875 individuals during the current survey and an additional 1,675 individuals from previous surveys, totalling 3,550 individuals (Rio Tinto 2021b). They were recorded on plains (P8, P8/P9 Mosaic, P9 and P14), on hills and in gorges (G24, H3, H19, H21 and H22) throughout the survey area (Rio Tinto 2021b). From the current survey, at two locations *A. jerichoensis* var. *subspinulifera* P3 was considered to represent 1% foliage cover of the site and at a nearby location 0.5% of the foliage cover of the site. There are two records of *A. jerichoensis* var. *subspinulifera* P3 from the WA Herbarium Database that are located within the survey area. These records are from 1995 and 2014 and occur in vegetation mapped as P9 and P8/P9 Mosaic in the current survey (Department of Biodiversity, Conservation and Attractions 2021b). *Aristida jerichoensis* var. *subspinulifera* P3 occurs scattered throughout Australia, with 36 specimens lodged with the WA Herbarium occurring in the Pilbara region, ranging from Jimblebar in the south-east to near Nammuldi Airport in the north-west (Western Australian Herbarium 2021). *Aristida jerichoensis* var. *subspinulifera* P3 occurs across all States and Territories in Australia, with the exception of Tasmania (Atlas of Living Australia 2021).

From a regional perspective an estimated 47% of the known abundance occurs within the survey area (Rio Tinto 2021c). Systematic searches were not conducted for this taxon in an appropriate season

during this survey, as such the abundance presented in Table 18 is not a comprehensive assessment of the total abundance occurring in the survey area, but it does indicate that there are potentially large numbers in the habitats that it has been recorded in.

***Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3**

Dolichocarpa sp. Hamersley Station (A.A. Mitchell PRP 1479) P3 was recorded during the current survey from seven locations totalling 1,351 individuals in the central and west portion of the survey area. Abundance ranged from one to 1,000 individuals at each location. *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3 occurred in vegetation unit P15 which has affinity with the 'West Angelas Cracking-Clays' priority 1 PEC. The WA Herbarium and TPFL Database did not show any known locations of this species within 50 km of the survey area. However, there are two occurrences within 3 km of the survey area from the unpublished data of the greater Rhodes Ridge dataset (Astron Environmental Services 2021a).

Of the 31 specimens lodged with the WA Herbarium, all locations are north/north-west of the survey area, with the nearest record located approximately 40 km from the survey area (Western Australian Herbarium 2021). As such, the records of *D. sp.* Hamersley Station (A.A. Mitchell PRP 1479) P3 recorded during the current survey are considered a range extension of the current known population. An estimated 19% of the regional population occurs within the survey area (Rio Tinto 2021c). The abundance presented in Table 18 is not a comprehensive assessment of the total abundance occurring in the survey area as this species was not systemically searched for and is likely more widespread within the habitat where it was recorded.

***Euphorbia australis* var. *glabra* P3**

All of the 31 locations and 743 individuals of *Euphorbia australis* var. *glabra* P3 in the survey area were recorded from plain and drainage line habitats in the central and western part of the survey area, during the current survey. This species is associated with vegetation units D13, P5, P15 and P16. None of the database searches recorded *E. australis* var. *glabra* P3 within the 50 km radius of the survey area (Department of Biodiversity, Conservation and Attractions 2021c, 2021b, Rio Tinto 2021b). The 21 specimens lodged with the WA Herbarium are all located to the north-west of the survey area, with the closest record 55 km away (Western Australian Herbarium 2021). The current records are considered a range extension of the known populations of *E. australis* var. *glabra* P3.

From a regional perspective over 92% of the known population occurs within the survey area (Rio Tinto 2021c). It is likely this species is more widespread throughout the survey area and possibly the Pilbara, however, its ephemeral short-lived nature means that it may only be observable for a limited period of time.

***Glycine falcata* P3**

Glycine falcata P3 was recorded from 10 records and 58 individuals from the current survey on clay plains and self-mulching cracking clay within vegetation units D12, P3, P15 and P16. *Glycine falcata* P3 was not recorded from any of the database searches within 50 km of the survey area (Department of Biodiversity, Conservation and Attractions 2021b, 2021c, Rio Tinto 2021b). Of the 13 specimens lodged at the WA Herbarium, 10 occur in the Pilbara bioregion with the closest record 58 km north-west (Western Australian Herbarium 2021). The records from the current survey area are considered a range extension of the known populations of *G. falcata* P3.

From a regional perspective an estimated 3% of the known population occurs within the survey area (Rio Tinto 2021c). Systematic searches were not conducted for this taxon and as such, the abundance

presented in Table 18 is unlikely to be a comprehensive assessment of the total abundance occurring in the survey area. *Glycine falcata* P3 also occurs throughout the Northern Territory and Queensland and has a few records in New South Wales (Atlas of Living Australia 2021).

***Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) P3**

Goodenia sp. East Pilbara (A.A. Mitchell PRP 727) P3 was recorded from one location and six individuals from the current survey in vegetation unit D13 from the south-west of the survey area. An additional seven locations and 77 individuals were recorded from previous surveys in vegetation mapped as D13, P13 and P16 in the current survey, totalling 83 individuals (Rio Tinto 2021b). One of the records from the previous survey was located 100 m from the single population recorded during the current survey. Systematic searches were not conducted for this taxon and as such the abundance presented in Table 18 is not a comprehensive assessment of the total abundance occurring in the survey area. D13 is a unique vegetation unit with a limited distribution; it is described as a soak, which may become saturated after sufficient rainfall. There are 52 specimens of *G. sp. East Pilbara* (A.A. Mitchell PRP 727) P3 lodged with the WA Herbarium; all the records are localised to within 200 km of the survey area, as such *G. sp. East Pilbara* (A.A. Mitchell PRP 727) P3 is considered to have a restricted distribution (Western Australian Herbarium 2021).

From a regional perspective, an estimated 0.1% of the current known total abundance occurs within the survey area (Rio Tinto 2021c). Although, due to two sub-optimal rainfall years and a lack of systematic searches, the abundance of *G. sp. East Pilbara* (A.A. Mitchell PRP 727) P3 in the survey area is likely to be larger. It is likely that *G. sp. East Pilbara* (A.A. Mitchell PRP 727) P3 may be more widespread over a variety of vegetation units in favourable habitats, including clay soils and calcrete pebbles (Western Australian Herbarium 2021).

***Indigofera gilesii* P3**

Indigofera gilesii P3 was recorded from rocky gorges and gullies (G3 and G24), hillslopes (H3, H11, H15, H19, H22 and H27), a drainage line (D1) and a plain (P3). The current survey recorded 207 locations and 1,863 individuals with an additional 2,082 individuals (from 469 locations) from previous surveys (Rio Tinto 2021b), totalling 3,945 individuals. This species appears scattered in these habitats with cover never surpassing 0.5% site foliage cover. Two records from the WA Herbarium Database along with one location from the TPFL database occur within the survey area in vegetation units mapped in the current survey as H15, H19 and H22 (Department of Biodiversity, Conservation and Attractions 2021b, 2021c). Although some priority searches have been conducted in suitable habitat (Figure E.1, Appendix E), it is likely that this species is more widespread, and the abundance is likely to be higher than recorded. *Indigofera gilesii* P3 has a disjointed population range within Western Australia, with 22 specimens in the Pilbara bioregion lodged with the WA Herbarium. These locations are localised to the Hamersley Range (Western Australian Herbarium 2021). From a regional perspective an estimated 53% of the current known population occurs within the survey area (Rio Tinto 2021c).

***Rhagodia* sp. Hamersley (M. Trudgen 17794) P3**

Rhagodia sp. Hamersley (M. Trudgen 17794) P3 was recorded from 18,472 locations across the survey area, with a total of 22,350 individuals observed during the current survey. An additional 23,310 individuals (from 17,670 locations) were recorded from previous surveys (Rio Tinto 2021b), totalling 45,660 individuals. Systematic searches for *R. sp. Hamersley* (M. Trudgen 17794) P3 were conducted in certain parts of the survey area as specific surveys to meet clearing conditions for pre-existing NVCPs held by Rio Tinto. Although high numbers have been recorded it is likely that this is an

underestimation of the total population of *R. sp. Hamersley* (M. Trudgen 17794) P3 within the survey area, as systematic searches have not been completed for all suitable habitats.

The majority of these records were from vegetation units on plains (33,416 locations within 10 plains vegetation units and two mosaics), with 914 records from 12 hills and slopes vegetation units, 259 records from five drainage line units, nine records from two gorge vegetation units and two records on rehabilitated areas. An additional 1,542 records were recorded in cleared areas and are likely due to GPS error or older records that have now been cleared. The vegetation units *R. sp. Hamersley* (M. Trudgen 17794) P3 was recorded from most frequently were; P8/P9 Mosaic (8,380 records), P8 (7,545 records), P3 (4,690 records) and P1 (4,550 records). It was also recorded in an additional 29 vegetation units. The majority of observations recorded only a single individual at each location, this was due to Rio Tinto requesting data to be restricted to within a less than 5 m radius, but populations of up to 35 individuals were counted at some locations. There are 71 specimens of *R. sp. Hamersley* (M. Trudgen 17794) P3 currently lodged with the WA Herbarium ranging from Jigalong Aboriginal Reserve in the east to Ophthalmia Range to the south, Christmas Creek to the north and Tom Price to the west (Western Australian Herbarium 2021). From a regional perspective, an estimated 76% of the currently known total population occurs within the survey area (Rio Tinto 2021c).

***Rostellularia adscendens* var. *latifolia* P3**

Rostellularia adscendens var. *latifolia* P3 was not recorded in the current survey. However, it was listed in the Rio Tinto database search from two locations, each with 50 individuals within the survey area (Rio Tinto 2021b). *Rostellularia adscendens* var. *latifolia* P3 was recorded on plains within vegetation mapped as P13 and P8/P9 Mosaic during the current survey. These populations were not verified in the current survey, and it is likely that this species is more widespread within these vegetation units. There are eight locations of *R. adscendens* var. *latifolia* P3 within 50 km of the survey area, with the closest record occurring 8 km from the survey area (Department of Biodiversity, Conservation and Attractions 2021c). There are 40 specimens lodged with the WA Herbarium all occurring within the Pilbara bioregion (Western Australian Herbarium 2021). An estimated 2% of the current known occurrences of *R. adscendens* var. *latifolia* P3 occur within the survey area, although systematic searches for this species were not conducted (Rio Tinto 2021c).

***Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3**

The three locations of *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3 from the survey area were all recorded during the current surveys on clay plains associated with vegetation unit P15. Vegetation unit P15 has affinity with the 'West Angelas Cracking-Clays' priority 1 PEC. According to DBCA database searches, there are six locations of *S. sp. Cracking clays* (S. van Leeuwen et al. PBS 7353) P3 within 50 km of the survey area, with the closest record occurring 18 km from the survey area (Department of Biodiversity, Conservation and Attractions 2021c). No records of *S. sp. Cracking clays* (S. van Leeuwen et al. PBS 7353) P3 were recorded from previous surveys within the survey area (Rio Tinto 2021b). There are 10 specimens lodged with the WA Herbarium, ranging from near the survey area in the east, West Angela Hill in the west, Wittenoom in the north and Mt Newman to the south (Western Australian Herbarium 2021). *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3 was only identified as a new species in 2020 by Steven Dillion at the WA Herbarium; as such this species may have been previously identified as a different species and could be more widespread than is currently known (Western Australian Herbarium 2021).

Streptoglossa sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3 has an estimated 20% of its known population occurring inside the survey area (Rio Tinto 2021c). The additional 12 individuals (totalling 15 that make up the regional data) are from the greater Rhodes Ridge dataset (Astron Environmental Services 2021a). Systematic surveys were not conducted for this species, and it is likely that it is more

widespread in the P15 vegetation unit. As an ephemeral taxon this species may only be observable for a limited period of time.

***Swainsona thompsoniana* P3**

The 113 individuals of *Swainsona thompsoniana* P3 recorded from three locations within the survey area were all recorded during the current survey. One location recorded 100 individuals and 0.5% vegetation cover. All three locations occur within vegetation unit P15, which has affinity with the 'West Angelas Cracking-Clays' priority 1 PEC. No records of *S. thompsoniana* P3 were recorded from previous surveys within the survey area (Rio Tinto 2021b). According to DBCA database searches, two locations of *S. thompsoniana* P3 were recorded within 50 km of the survey area, with the closest record 33 km from the survey area (Department of Biodiversity, Conservation and Attractions 2021c). There are 26 specimens lodged with the WA Herbarium with distribution from near Newman to Pannawonica (Western Australian Herbarium 2021).

Swainsona thompsoniana P3 has an estimated 95% of its known population occurring outside the survey area (Rio Tinto 2021c). Systematic surveys were not conducted for this species, and it is likely that it is more widespread in the P15 vegetation unit.

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

Themeda sp. Hamersley Station (M.E. Trudgen 11431) P3 was recorded from seven locations and 283 individuals from the current survey. An additional 2,336 individuals, from 23 locations were recorded from the previous surveys (Rio Tinto 2021b), totalling 2,619 individuals in the survey area. *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3 was recorded on plains (P1, P5, P8, P9, P8/P9 Mosaic, P13, P14 and P15) and a drainage line (D12) vegetation unit.

There is conjecture regarding the taxonomic distinction of *T.* sp. Hamersley Station (M.E. Trudgen 11431) P3 from the very widespread *T. triandra*. Currently it is only reliably distinguished based on the relative length of callus hairs, which may or may not change as the seed matures (pers. comm. S. Dillon, WA Herbarium), and can generally only reliably be identified from good quality flowering and seeding material. It is noted in the Rare and Priority Plants of the Pilbara app, that it is prudent for the moment to keep these taxa separate until a world-wide resolution can be found (Rio Tinto and Western Australian Herbarium 2015). A more recent study looking at the chloroplast and nuclear genomic data of *T. triandra* suggests that there are two ecotypes, coastal and inland varieties. *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3 contains the genomic material of the inland ecotype but the chloroplast material of the coastal ecotype. This process of introgression (otherwise known as chloroplast capture) is common among plants and suggests that *T.* sp. Hamersley Station (M.E. Trudgen 11431) P3 is an interesting hybrid of the *T. triandra* coastal and inland ecotypes (Dunning et al. 2021). An additional specimen (*Themeda triandra* /sp. Hamersley Station (M.E. Trudgen 11431)) was identified by a WA Herbarium taxonomist as potential *T.* sp. Hamersley Station (M.E. Trudgen 11431) P3 but has morphometric characters similar to *T. triandra*. As a cautionary measure, this specimen has been treated as a priority. This specimen related to an additional 65 individuals bringing the total number of *T.* sp. Hamersley Station (M.E. Trudgen 11431) P3 to 2,684 individuals. Less than 1% of the known current population occurs within the survey area (Rio Tinto 2021c).

***Triodia* sp. Mt Ella (M.E. Trudgen 12739) P3**

Triodia sp. Mt Ella (M.E. Trudgen 12739) P3 was recorded from five locations across the survey area with a total of 800 individuals observed during the current survey. An additional 2,640 individuals (11 locations) were recorded from the previous surveys (Rio Tinto 2021b), totalling 3,440 individuals.

Triodia sp. Mt Ella (M.E. Trudgen 12739) P3 was recorded from hillslopes (H3, H22 and H27), a gorge (G3) and a drainage line (D1) vegetation unit. There are 21 locations of *T. sp. Mt Ella* (M.E. Trudgen 12739) P3 within 50 km of the survey area, the closest record occurring 6 km from the survey area (Department of Biodiversity, Conservation and Attractions 2021c). There are 35 specimens lodged with the WA Herbarium from the Pilbara region, from Jimblebar in the south-east, Mount Windell in the north-west and Mount Ella in the south-west (Western Australian Herbarium 2021). Regionally, an estimated 2% of the known population of *T. sp. Mt Ella* (M.E. Trudgen 12739) P3 occurs within the survey area (Rio Tinto 2021c).

***Xerochrysum boreale* P3**

Xerochrysum boreale P3 was not recorded in the current survey. However, it was recorded in the WA Herbarium Database search from one individual on clay plains (vegetation unit P8) (Department of Biodiversity, Conservation and Attractions 2021c). This location was not ground truthed during the current survey. An additional record was listed 14 km from the survey area from the same database search with a frequency of “common”, but no other records of *X. boreale* P3 have been recorded regionally (Department of Biodiversity, Conservation and Attractions 2021c, Rio Tinto 2021c). Five specimens have been lodged with the WA Herbarium, with three occurring in the Pilbara region (Western Australian Herbarium 2021). The lack of specimens and records of this species within the survey area and regionally shows under-collecting or misidentification of this species in the Pilbara region.

***Acacia bromilowiana* P4**

Acacia bromilowiana P4 was not recorded in the current survey. However, it was recorded in the Rio Tinto custom database search from one individual in vegetation unit H25 on a hillslope. This record was taken in 2008 and was not confirmed during the current survey. According to DBCA database searches, there are five records of *A. bromilowiana* P4 within 50 km of the survey area, with the closest 3 km away (Department of Biodiversity, Conservation and Attractions 2021b, 2021c). The greater Rhodes Ridge unpublished dataset has recorded 59 locations of *A. bromilowiana* P4 within approximately 2 km of the survey area (Astron Environmental Services 2021a). From a regional perspective an estimated 0.03% of the known population occurs within the survey area (Rio Tinto 2021c). Systematic searches were not conducted for this taxon, and as such the abundance presented in Table 18 is not a comprehensive assessment of the total abundance occurring in the survey area.

***Goodenia nuda* P4**

Goodenia nuda P4 was recorded from 89 locations and 855 individuals from the current survey. An additional 4,477 individuals, from 458 locations were recorded from the Rio Tinto database, totalling 5,332 individuals in the survey area (Rio Tinto 2021b). This includes three specimens (nine locations) that were identified as *Goodenia ?nuda* P4. *Goodenia nuda* P4 was recorded on plains (P3, P5, P8, P8/P9 Mosaic, P9 and P18), in a drainage line (D2) and on a hillslope (H19). This species appears scattered in these habitats, although abundance has been recorded at 100, 200 and 500 individuals (Rio Tinto 2021b). Twenty-one records of *G. nuda* P4 occur within 50 km of the survey area from the WA Herbarium Database search, with two locations occurring within the survey area in vegetation mapped as P9 and P8/P9 Mosaic in the current survey (Department of Biodiversity, Conservation and Attractions 2021c).

The distribution of *G. nuda* P4 from the 109 records lodged with the WA Herbarium is widespread throughout the whole Pilbara region (Western Australian Herbarium 2021). From a regional perspective at least 49% of the known abundance occurs within the survey area (Rio Tinto 2021c), although this is likely to be an overestimation (Western Australian Herbarium 2021).

***Lepidium catapycnon* P4**

Lepidium catapycnon P4 was not recorded in the current survey. However, it was recorded from previous surveys from 28 locations and 1,879 individuals from hills (H12, H15 and H27) and plains (P1 and P14) (Rio Tinto 2021b). One location of 100 individuals was recorded in 2018 from a now-cleared area (Rio Tinto 2021b). Five records of *L. catapycnon* P4 have been recorded in the survey area from the TPFL and WA herbarium Database searches, all of which correlate to the coordinates from the Rio Tinto custom database search (Department of Biodiversity, Conservation and Attractions 2021c, 2021b, Rio Tinto 2021b). *Lepidium catapycnon* P4 has 39 specimens lodged with the WA Herbarium, from Mt Whaleback mine site in the south-east, Tom Price in the south-west, Wittenoom in the north-west and Nullagine in the north-east (Western Australian Herbarium 2021).

From a regional perspective an estimated 4% of the known population of *L. catapycnon* P4 occurs within the survey area (Rio Tinto 2021c). Systematic searches were not conducted for this taxon and as such the abundance presented in Table 18 is not a comprehensive assessment of the total abundance likely to occur in the survey area.

***Seringia exastia* T**

In June 2020, Binks *et al.* (2020) published a revision of *Seringia* taxa in north-west Australia, using genomic and morphological data. As a result of their investigation, the commonly occurring species *Seringia elliptica*, has been subsumed into the older named, but rare and threatened species, *Seringia exastia* T (Binks *et al.* 2020). While the taxon names have been updated in Florabase (Western Australian Herbarium 2021), the conservation listing of the species has not yet been revised. *Seringia exastia* T is listed as Critically Endangered under the Western Australian Government's BC Act and Critically Endangered under the Australian Government's EPBC Act.

At the time the taxon was listed in 2009, there were only seven subpopulations known from within the Port of Broome, with a total species occupancy area of approximately 0.04 km² (Threatened Species Scientific Committee 2009a, 2009b). Subsequently, a further population was recorded 130 km south of Broome in the Great Sandy Desert area in 2012 (Department of Agriculture, Water and the Environment 2021c). With the amalgamation of *S. elliptica* into *S. exastia* T, this once highly restricted taxon is now widespread in Australia and occurs from the Broome region in the Kimberley, south to Paynes Find in the Murchison and extends east into the Northern Territory and South Australia (Western Australian Herbarium 2021). *Seringia exastia* T has been nominated to the Western Australian Threatened Species Scientific Committee for delisting as a threatened species under the BC Act (Department of Biodiversity, Conservation and Attractions 2021h).

Within the survey area, *S. exastia* T was recorded in 31 locations; no population counts were undertaken.

Other species of significance

Five priority taxa recorded within the survey area are considered range extensions to the current known populations; *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1, *Teucrium pilbaranum* P2, *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3, *Euphorbia australis* var. *glabra* P3 and *Glycine falcata* P3. These species and their distributions are discussed earlier in this section.

A further three species are also considered range extensions: *Plantago cunninghamii*, *Alloteropsis cimicina* and *Cynanchum pedunculatum*. The nearest known record of *P. cunninghamii* to the survey area is 60 km to the north-west (Western Australian Herbarium 2021). *P. cunninghamii* was recorded from one specimen from site RCC05 in vegetation unit P15. This vegetation unit has affinity with the

'West Angelas Cracking-Clays' priority 1 PEC. *Plantago cunninghamii* has a disjunct and widespread distribution throughout the state. Four specimens lodged with the WA Herbarium are within the Pilbara region. This record of *P. cunninghamii* is the eastern-most record for the Pilbara region (Western Australian Herbarium 2021).

The nearest known record of *A. cimicina* to the survey area 66 km to the east (Western Australian Herbarium 2021). This record of *A. cimicina* is the most western known location. *Alloteropsis cimicina* was recorded from site RQ111 in vegetation unit P1. This species also has limited specimens lodged with the WA Herbarium, two from the Pilbara region and one from the Little Sandy Desert, all in the vicinity of Jiblebar (Western Australian Herbarium 2021).

The nearest known record of *C. pedunculatum* to the survey area is 60 km to the north-west (Western Australian Herbarium 2021). *Cynanchum pedunculatum* was recorded from two locations (RQ173 and RQ189) in vegetation types P18 and D1; one specimen was collected. These records represent the eastern most location for *C. pedunculatum* in the Pilbara (Western Australian Herbarium 2021).

4.2.2.2 Post-survey Likelihood of Occurrence of Significant Flora

Of the 41 significant flora taxa returned from database search results that have not been recorded within the survey area, none are considered likely to occur within the survey area post-survey.

Although 17 of the 41 significant flora species have been previously recorded within proximity (<20 km) to the survey area and some suitable habitat was identified for approximately half of these species (Table G.1, Appendix G), opportunistic searches over multiple seasons, and during known flowering periods, in addition to the majority (13) of these species being perennial in nature, would likely have allowed these species to have been detected should they be present in the survey area. Multiple field surveys were also conducted during the known flowering periods of the four annual/short-lived perennial species that have been previously recorded within close proximity of the survey area.

4.2.2.3 Introduced Flora

Nine introduced species were recorded within the survey area: **Bidens bipinnata* (bipinnate beggartick), **Cenchrus ciliaris* (buffel grass), **Cenchrus setiger* (birdwood grass), **Chloris virgata* (feathertop Rhodes grass), **Flaveria trinervia* (speedy weed), **Malvastrum americanum* (spiked malvastrum), **Setaria verticillata* (whorled pigeon grass), **Tribulus terrestris* (caltrop) and **Vachellia farnesiana* (mimosa bush). Introduced flora locations from this survey are mapped in Figure O (Appendix O). Habitat and abundance details for these taxa are summarised in Table 19.

**Bidens bipinnata* was the most frequently recorded weed species, and was found across the survey area, but was predominately associated with mulga-dominated vegetation on plains and, to a lesser degree, drainage lines and hillslopes. **Cenchrus ciliaris* and **C. setiger* were not as abundant as they are in the broader region, likely due to the dry seasonal conditions in the first two years of survey. Each of the introduced flora species recorded is considered widespread and common in the Pilbara region; none is listed as a WoNS (Australian Weeds Committee 2012), or a Declared Pest plant in Western Australia under the BAM Act (Department of Primary Industries and Regional Development 2019b).

Photographs and descriptions of the introduced flora species within the survey area are presented in Table O.1 (Appendix O), locations are mapped in Figure O (Appendix O). The survey area was considered to have a relatively low impact from weeds. However, locations presented are indicative

only and weed distribution is much higher, particularly across clay plain areas where it appears grazing activity (both feral and native) has resulted in the significant spread of **B. bipinnata*.

Table 19: Introduced flora species and associated habitats recorded during the survey.

Species	Family	Recorded abundance	Habitat in the survey area
<i>*Bidens bipinnata</i> (bipinnate beggartick)	Asteraceae	1,793,032	Mulga clay plains and mulga dominated vegetation on hillslopes and in drainage lines; most records in vegetation units P8/P9 Mosaic, P8 and P14.
<i>*Cenchrus ciliaris</i> (buffel grass)	Poaceae	3,417	Disturbed areas on plains, and base of low hills; most records in vegetation unit P8.
<i>*Cenchrus setiger</i> (birdwood grass)	Poaceae	5	Mulga dominated gully vegetation on hillslopes; occurs in vegetation unit H22
<i>*Chloris virgata</i> (feathertop Rhodes grass)	Poaceae	851	Drainage lines and mulga clay plains; most records in vegetation unit D12
<i>*Flaveria trinervia</i> (speedy weed)	Asteraceae	14	Hillslopes, plains and drainage lines; occurs in vegetation units H20, P15, P8, D8
<i>*Malvastrum americanum</i> (spiked malvastrum)	Malvaceae	2,285	Drainage lines, mulga clay plains and occasionally hillslopes; most records in vegetation units D2, P16 and D5.
<i>*Setaria verticillata</i> (whorled pigeon grass)	Poaceae	1,932	Drainage lines, mulga clay plains and occasionally hillslopes; most records in vegetation units P8/P9 Mosaic, P8 and D12.
<i>*Tribulus terrestris</i> (caltrop)	Zygophyllaceae	7	Plains; occurs in vegetation units P15 and P5
<i>*Vachellia farnesiana</i> (mimosa bush)	Fabaceae	16	Drainage line and plains; occurs in vegetation units D5 and P15

4.3 Fauna Survey

4.3.1 Fauna Habitats

Based upon the landforms and vegetation units present, eight broad fauna habitats were recorded in the survey area. The habitats are described in Table 20 and mapping is presented in Figures P.1 – P.11 (Appendix P). Areas of cleared/disturbed habitat totalled 1,178.7 ha (2.8%) within the survey area and were considered in Disturbed to Highly Degraded condition.

Low Hills and Slopes was the most common fauna habitat type within the survey area. This habitat is widespread and common throughout the Pilbara region and although there are a few conservation listed species that may utilise this habitat, they are unlikely to be restricted to it. This habitat generally has low vegetation complexity and low diversity of microhabitats available for fauna species to exploit. The soils were generally stony and compact, reducing potential opportunities for burrowing species. This habitat was considered to be of low value to a broad spectrum of fauna species.

Clay Plain habitat was also well represented within the survey area and considered to be of moderate value to a wide spectrum of fauna species as this habitat typically exhibited a moderate diversity of microhabitats, with some tree hollows and logs, and some areas of sandy soils suitable for burrowing. At the time of the survey, the tree hollows of this habitat supported nesting potential for small passerines such as pardalotes, thornbills and multiple species of honeyeaters, but with an absence of

large eucalypts and hollows. This habitat may provide some limited foraging opportunities for Ghost Bats and Pilbara Leaf-nosed Bats. This habitat is widespread and common in surrounding areas and throughout the Pilbara region.

Mulga Woodland habitat is characterised by vegetation units dominated by Mulga (*Acacia aneura*) on a stony mantle. The open to moderately dense woodlands consisted of an understorey composed of sparse tussock or hummock grasses. The woodlands provide nesting and shelter habitats for birds and reptiles, and the tussocks and hummocks provide habitat for small birds, reptiles and mammals. Mulga Woodlands are also subject to sheet water flow after rainfall and vegetation is often densely clumped or banded due to the sheet flow, usually forming large groves. However due to a low diversity of microhabitats present (generally the understorey and leaf litter were considered sparse), this habitat type was considered of low value to a wide spectrum of fauna species. This habitat is widespread and common in surrounding areas and throughout the Pilbara region.

Stony Plain habitat is widespread and common throughout the Pilbara region and although there are a few species of conservation significance that may utilise it, they are not restricted to this habitat type. Conservation significant fauna likely to occur in this habitat type include the Western Pebble-mound Mouse. This habitat generally had low vegetation complexity and microhabitat diversity and was considered to be of low value for fauna. This habitat is widespread and common in surrounding areas and throughout the Pilbara region.




Rocky Hill habitat is common and widespread throughout the Pilbara. This habitat generally has low vegetation complexity and low diversity of microhabitats; however, MNES species (such as the Northern Quoll) are likely to traverse and forage within these habitats. Other conservation significant species such as the Western Pebble-mound Mouse, *Anilios ganei* and the Pilbara Barking Gecko may also utilise this habitat. The soils are generally stony and compact, reducing the potential opportunities for burrowing species. Therefore, this habitat was considered of moderate value for fauna. This habitat is widespread and common in surrounding areas and throughout the Pilbara region.




Minor Drainage habitat is a commonly recorded habitat for the Pilbara region and considered to be of moderate value to a wide spectrum of fauna species. The Minor Drainage habitat typically exhibits a moderate diversity of microhabitats, with some tree hollows and woody debris (logs and leaf litter). The woody debris provides foraging and sheltering potential to ground dwelling reptiles and mammals. One semi-permanent water body was noted within the survey area in this habitat type (Figure P.3, Appendix P). Ground dwelling fauna are likely to utilise the linear nature of this habitat to traverse between habitats. This habitat is common in surrounding areas and throughout the Pilbara region.




Gorge/Gully habitat is one of the more restricted habitats in the survey area. Gorges are a common feature of the Pilbara; however, as they tend to be narrow, linear features, gorges represent a small proportion of the total land area. In addition, they represent important shelter or roosting habitat for a number of MNES species, including the Pilbara Olive Python, Ghost Bat, Pilbara Leaf-nosed Bat and Northern Quoll. They may also support priority listed species such as the blind snake *Anilios ganei*. Occasional deep caves and semi-permanent rock pools are features within this habitat that can provide refuge for fauna during harsher drier seasonal conditions. There was one semi-permanent standing water body present during the survey and a few additional locations where water could potentially pool after significant rain events. This habitat was considered of high value as it contains a complexity of microhabitats and potentially supports conservation significant fauna species but was generally limited within the survey area (<1%). This habitat is well represented in surrounding areas and throughout the Pilbara region.

Breakaway habitat is a common feature of the Pilbara but because they tend to be narrow, linear features, they represent a small proportion of the total land area. The breakaways of the survey area were often associated with the drop off areas of the Rocky Hill habitat. Breakaway habitat contained microhabitats such as crevices, overhangs and shallow caves that provide shelter opportunities for MNES species. The caves have the potential to be used as diurnal roosts and nocturnal feeding roosts for the Ghost Bat, potential den sites for the Northern Quoll and Pilbara Olive Python. The Breakaway habitat provides important habitat values to a number of conservation listed species including MNES; therefore, it was considered of high importance for fauna but was generally limited within the survey area (<1%). This habitat is well represented in surrounding areas and throughout the Pilbara region.

Table 20: Fauna habitats described for the survey area.

Fauna habitat	Broad habitat description	Vegetation description	Sampling locations	Habitat condition	Total area (ha) (proportion of survey area (%))	Representative photograph
Low Hills and Slopes	Low stony hills and slopes with dissected valleys and drainage on stony soils.	<i>Eucalyptus</i> scattered trees or mallees over <i>Acacia</i> spp. tall shrubs over <i>Triodia</i> spp.	LHS1, LHS7, HA25, HA52, HA65, HA74, HA84, HA90, HA99, AU6, AU8, AU11, AU14, AU17, BAT70, CAM23, CAM73, CAM152	Very Good – High Quality	17,323.8 (40.4)	 <p>Plate 40: Low Hills and Slopes fauna habitat.</p>
Clay Plain	Low in the landscape with clay base soils.	<i>Eucalyptus/Corymbia</i> spp. scattered low trees over <i>Acacia</i> spp. tall shrubs over mixed tussock grasslands.	CP2, CP8, CP23, CP60, CP61, CP62, HA4, HA6, HA16, HA17, HA45, HA51, HA58, HA91, CAM183, CAM184	Very Good – High Quality	10,793.9 (25.2)	 <p>Plate 41: Clay Plain fauna habitat.</p>
Mulga Woodland	Stands of mulga groves on clay based stony plains.	<i>Acacia aptaneura</i> (<i>A. catenulata</i> and <i>A. pruinocarpa</i>) tall shrubland over <i>Eremophila fraseri</i> scattered tall shrubs over <i>T. pungens</i> and <i>T. melvillei</i> (<i>T. vanleeuwenii</i>) very open hummock grassland.	MW3, MW5, MW22, HA7, HA79, HA98, HA100, CAM187, CAM215	Very Good – High Quality	8,776.3 (20.5)	 <p>Plate 42: Mulga Woodland fauna habitat.</p>

Fauna habitat	Broad habitat description	Vegetation description	Sampling locations	Habitat condition	Total area (ha) (proportion of survey area (%))	Representative photograph
Stony Plain	Broad flat low lying plains to undulating plain on soft loamy soils	<i>A. aptaneura</i> , <i>A. pruinocarpa</i> , <i>A. catenulata</i> tall shrubland over <i>T. pungens</i> (and sometimes <i>T. vanleeuwenii</i>) hummock grassland or tussock grassland	SP9, SP45, HA24, HA83, AU1, AU2, AU3, AU16, AU25, AU31, AU32	Very Good – High Quality	3,463.2 (8.1)	 <p>Plate 43: Stony Plain fauna habitat.</p>
Rocky Hill	Stony hills on high ranges with dissected valleys.	<i>Eucalyptus/Corymbia</i> spp. scattered low trees over <i>Acacia aptaneura</i> and <i>A. catenulata</i> subsp. <i>occidentalis</i> tall open shrubland over <i>T. pungens</i> and <i>T. vanleeuwenii</i> very open hummock grassland.	RH4, RH10, HA3, AU18, BAT10, BAT43, CAM3, CAM5, CAM24, CAM28, CAM32, CAM41, CAM149, CAM154, CAM157	Very Good – High Quality	536.9 (1.2)	 <p>Plate 44: Rocky Hill fauna habitat.</p>
Minor Drainage	Open drainage areas on stony soils.	<i>Eucalyptus/Corymbia</i> spp. scattered low trees over <i>Acacia aptaneura</i> , <i>A. catenulata</i> subsp. <i>occidentalis</i> and <i>A. pruinocarpa</i> or <i>Petalostylis labicheoides</i> , <i>Acacia monticola</i> , <i>A. maitlandii</i> scattered tall shrubs over <i>Triodia pungens</i> very open hummock grassland with mixed tussock grasses	MID41, HA8, CAM87	Very Good – High Quality	462.1 (1.1)	 <p>Plate 45: Minor Drainage fauna habitat.</p>

Fauna habitat	Broad habitat description	Vegetation description	Sampling locations	Habitat condition	Total area (ha) (proportion of survey area (%))	Representative photograph
Gorge/Gully	Deep often rocky gorges, sometimes with ephemeral or semi-permanent pools	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia ferritcola</i> scattered low trees or <i>Eucalyptus repullulans</i> scattered low mallee over <i>Triodia pungens</i> , <i>Triodia vanleeuwenii</i> very open hummock grassland and scattered tussock grasses	HA5, HA12, BAT2, BAT6, BAT7, BAT8, BAT9, BAT44, BAT45, CAM7, CAM16, CAM20, CAM22, CAM25, CAM26, CAM29, CAM30, CAM31, CAM33, CAM34, CAM35, CAM36, CAM37, CAM38, CAM39, CAM40, CAM153, CAM212, CAM217	Very Good – High Quality	162.2 (0.4)	 <p>Plate 46: Gorge Gully fauna habitat.</p>
Breakaway	Breakaway or ridge line, falling away to steep scree slope or drainage	<i>E. leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia</i> spp. tall shrubs over <i>T. pungens</i> very open hummock grassland, sometimes with scattered tussock grasses	BR6, BAT3, BAT4, BAT5, BAT42, BAT46, CAM2, CAM4, CAM6, CAM8, CAM9, CAM10, CAM11, CAM12, CAM13, CAM14, CAM15, CAM17, CAM18, CAM19, CAM21, CAM27, CAM148, CAM150, CAM151, CAM155, CAM156, CAM159, CAM162, CAM165	Very Good – High Quality	126.6 (0.3)	 <p>Plate 47: Breakaway fauna habitat.</p>
Cleared/Disturbed	Cleared areas from mining and pastoralism activities	Vegetation structure disturbed or absent.	None	Disturbed – Highly Degraded	1,178.7 (2.8)	 <p>Plate 48: Cleared habitat.</p>

4.3.1.1 Significant Habitat Areas

None of the fauna habitats were considered to be synonymous with any TECs or PECs relating to terrestrial fauna listed in the Pilbara region (Department of Biodiversity, Conservation and Attractions 2019a).

Within the survey area there are six abandoned mine adits of standard historic construction with entrances of approximately 3 m wide by 2.5 m high (Plates 49 – 52). Monitoring studies have shown that five of these adits are regularly being used as diurnal roosts by Ghost Bats (Category 2 and Category 3, Bat Call WA 2020a), and three show occasional usage by Pilbara Leaf-nosed Bats (Rio Tinto 2019b). Two additional Ghost Bat Category 2 adits occur within 8 km of the survey area. A Rio Tinto exclusion and restriction area has been placed over all adits to ensure no disturbance activities will be conducted within 200 m (E. Carroll, pers. comm., 27 November 2019).



Plate 49: Mine adit within the survey area.



Plate 50: Mine adit within the survey area.



Plate 51: Mine adit within the survey area.



Plate 52: Mine adit within the survey area.



Plate 53: Mine adit within the survey area.



Plate 54: Mine adit within the survey area.

Six natural caves of lesser significance have also been recorded within the survey area through surveys to date, comprising of one Category 3 roost cave with occasional occupancy, and five Category 4 nocturnal roost caves with opportunistic usage (Figures P.1 – P.11 and Table P.1, Appendix P).

One semi-permanent pool occurs within the survey area within Gorge/Gully habitat (Plate 55, Figures P.1 – P.11, Appendix P).



Plate 55: Semi-permanent pool within the survey area.

4.3.1.2 MNES Species Habitat Suitability

Pilbara Olive Python

Approximately 289 ha (<1%) of the survey area, comprising the Gorge/Gully and Breakaway habitats, was considered as potential shelter and foraging habitat for the Pilbara Olive Python (Figures P.1 – P.11, Appendix P). The caves and overhangs of the Gorge/Gully and Breakaway habitats are likely to provide denning sites and ambush locations frequented by this species.

An additional 462 ha (1%) of the survey area was considered suitable foraging and dispersal habitat consisting of Minor Drainage habitats (Figures P.1 – P.11, Appendix P). The remaining 42,073 ha (>98%) of the survey area was considered to provide limited foraging and dispersal habitat, consisting of Clay Plain, Low Hill and Slopes, Mulga Woodland, Rocky Hill, Stony Plain and Cleared/Disturbed habitats (Figures P.1 – P.11, Appendix P).

Night Parrot

None of the habitats present within the survey area supported old, large and unburnt *Triodia* clumps that are considered the primary habitat requirement for the Night Parrot (Department of Parks and Wildlife 2017). The Clay Plain, Minor Drainage, Low Hill and Slopes, Mulga Woodland and Stony Plain habitats (40,819 ha, 95%) within the survey area were mapped as suitable foraging and dispersal habitat types (Figures P.1 – P.11, Appendix P), however the Night Parrot is unlikely to occur within the survey area due to the quality and attributes of the habitat present. These habitats had been varyingly impacted by recent fires (less than 10 years old) and pastoral and mining impacts over a long duration of time, had very sparse vegetative ground cover, and generally lacked the chenopod communities or suitable size/age *Triodia* hummocks required to support the Night Parrot.

The remaining 2,004 ha (5%) was considered to provide limited foraging and dispersal habitat (Gorge/Gully, Breakaway, Rocky Hill and Cleared/Disturbed habitats; Figures P.1 – P.11, Appendix P)

Northern Quoll

Approximately 289 ha (<1%) of the survey area, comprising the Gorge/Gully and Breakaway habitats, was considered 'potential shelter and foraging habitat' (or core habitat as per the referral guidelines (Department of the Environment and Energy 2016)), based on proximity to known quoll records, microhabitat features and orientation aspect (Figures P.1 – P.11, Appendix P). The Gorge/Gully and Breakaway habitats contain rocky environments of high relief that are particularly important for Northern Quolls in the Pilbara as they provide denning sites for breeding and shelter, and diverse microhabitats for foraging.

Approximately 999 ha (2%) of the survey area was considered suitable foraging and dispersal habitat (Minor Drainage and Rocky Hill habitats), particularly where these habitats were in close association with the Gorge/Gully and Breakaway habitats as they provided additional microhabitats such as crevices and cracks for foraging (Figures P.1 – P.11, Appendix P).

The remaining 41,536 ha (97%) of the survey area was considered to provide limited foraging and dispersal habitat, consisting of Low Hill and Slopes, Mulga Woodland, Clay Plain, Stony Plain and Cleared habitats (Figures P.1 – P.11, Appendix P).

Pilbara Leaf-nosed Bat

Approximately 289 ha (<1%) of the survey area, comprising the Gorge/Gully and Breakaway habitat, was considered potential shelter and foraging habitat for this species due to the presence of nocturnal

refuge caves (Figures P.1 – P.11, Appendix P). No permanent roosts for this species have been recorded in the survey area and the nearest known permanent roost is located approximately 25 km east of the survey area at Kalgan Creek in the Hamersley ranges (B. Bullen, Bat Call WA, pers. comm. 2014).

Approximately 41,356 ha (>96%) of the survey area, which consisted of Minor Drainage, Low Hill and Slopes, Mulga Woodland, Rocky Hill, Clay Plain and Stony Plain habitats was considered suitable foraging and dispersal habitat (Figures P.1 – P.11, Appendix P). This species is likely to forage only occasionally within the survey area taking advantage of benign conditions and dispersing temporarily in search of additional foraging and roosting opportunities (Bat Call WA 2020b). The remaining 1,179 ha (<3%) of the survey area, comprising Cleared/Disturbed areas, was considered to provide limited foraging and dispersal habitat (Figures P.1 – P.11, Appendix P).

Ghost Bat

Approximately 289 ha (<1%) of the survey area, comprising the Gorge/Gully and Breakaway habitat, was considered potential shelter and foraging habitat (Figures P.1 – P.11, Appendix P) for this species due to the presence of caves as potential roost sites. Gorge/Gully and Breakaway habitats often contain caves and deep shelters that are used by Ghost Bats for diurnal roosting and as nocturnal feeding roosts.

A total of six Ghost Bat roost caves have been recorded within the survey area (Figures P.1 – P.11, Appendix P) through surveys to date, comprising of one Category 3 roost cave with occasional occupancy, and five Category 4 nocturnal roost caves with opportunistic usage (Figures P.1 – P.11, Appendix P). An additional 46 Ghost Bat roost caves have been recorded within the greater Rhodes Ridge project area through the surveys to date, comprising of four Category 2 roost caves, 15 Category 3 roost caves and 27 Category 4 roost caves (Astron Environmental Services 2021a).

Approximately 999 ha (2%) of the survey area, which consisted of Minor Drainage and Rocky Hill habitats, was considered suitable foraging and dispersal habitat (Figures P.1 – P.11, Appendix P). The taller trees found in the Minor Drainage habitats provide suitable foraging/hunting perches particularly in areas that have the potential for semi-permanent surface water and contain thick vegetation. The Rocky Hill habitat contains microhabitats such as boulder piles, cracks and crevices that support a wide range of prey species for the Ghost Bat.

The remaining 41,536 ha (97%) of the survey area, comprising the Low Hill and Slopes, Mulga Woodland, Stony Plain, Clay Plain and Cleared/Disturbed habitats, was considered to provide limited foraging and dispersal habitat (Figures P.1 – P.11, Appendix P). These broad habitat types, however, do not preclude significant habitat features such as pools and caves being present, and in some circumstances these features were recorded during the field surveys.

4.3.2 Fauna Species

One-hundred and eighty-three fauna species, comprising four amphibians, 70 reptiles, 80 birds and 29 mammals were recorded within the survey area (Table 21).

Table 21: Summary of terrestrial vertebrate fauna species recorded within the survey area.

Group	Number of species	Significant species	Introduced species
Amphibians	4	0	0
Reptiles	70	0	0
Birds	80	0	0
Mammals	29	2	6
Total	183	2	6

Two significant vertebrate fauna species were recorded within the survey area:

- Ghost Bat (*Macroderma gigas*) (VU; VU) – 7 records
- Western Pebble-mound Mouse (*Pseudomys chapmani*) (P4) – 33 mounds (7 inactive, 26 active).

Six introduced vertebrate fauna species were recorded:

- Cattle (*Bos taurus*) – 15 records
- Dromedary Camel (*Camelus dromedarius*) – 8 records
- Dog/Dingo (*Canis familiaris*) – 19 records
- Cat (*Felis catus*) – 13 records
- House Mouse (*Mus musculus*) – 4 records
- European Rabbit (*Oryctolagus cuniculus*) – 3 records.

4.3.2.1 Significant Fauna Recorded

Two fauna species of significance were recorded in the survey area as part of the current survey: the Ghost Bat and the Western Pebble-mound Mouse.

Ghost Bat (*Macroderma gigas*) (VU; VU)

The preferred habitat of Ghost Bats in the Pilbara is rocky gorges and breakaways that support suitable crevices and caves for roost sites. Disused mines are particularly important in supporting most of the greater (known) colonies of Ghost Bats in the Pilbara. The Ghost Bat uses different natural and artificial formations for various purposes and for groups to persist they generally require habitats that provide:

- a selection of roosting opportunities with night roosts or feeding sites, diurnal roosts and at least one deep cave with characteristics of a maternity roost
- nearby gullies and gorges with vegetation of vertical complexity (diverse vegetation heights and density) and presence of water that would attract prey species
- a productive foraging area within a 5 km to 10 km radius, usually including a good quality riparian drainage line.

Ghost Bats require shelters (particularly caves but also abandoned mine workings) of varying shapes and sizes to fulfil their ecological requirements. Cave usage can be classified into four categories: feed caves, diurnal roosts (occasional or frequent usage) and maternal roosts.

- Feed caves are typically shallow caves or overhangs high in the strata that are poorly insulated from the elements (Armstrong and Anstee 2000). Ghost Bats hunt at night and use

feed caves to consume prey they have captured in the surrounding area. Feed caves often contain Ghost Bat scats and/or feeding remnants (typically feathers and small animal bones). Feed caves are classified as Category 4 roost caves (Bat Call WA 2019).

- Diurnal roosts are generally deep, complex caves or disused mines that contain domed ceilings, fissures or passages which create a stable microclimate. These caves are usually lower in the strata making them well insulated. The stable temperature and elevated humidity of these caves relative to the ambient conditions create physiologically benign conditions (Leitner and Nelson 1967, Hall et al. 1997, Armstrong and Anstee 2000, McKenzie and Bullen 2009). Diurnal roosts are classified as either Category 2 or Category 3 roost caves depending on their usage (Bat Call WA 2019).
- Maternal roosts like diurnal roosts are generally deep, complex caves or disused mines that contain domed ceilings, fissures or passages which create a stable microclimate and often contain multiple entrances (McKenzie and Hall 2008). Maternal roosts have a stable temperature of 23°C to 28°C and moderate to high relative humidity of 50% to 100% (Pettigrew et al. 1986, Churchill and Helman 1990, Armstrong and Anstee 2000, Churchill 2008). Maternal roosts are classified as Category 1 roost caves (Bat Call WA 2019).

The Ghost Bat can have a relatively small nightly foraging range, up to 2 km from the roost based on studies in the Northern Territory and Queensland (Tidemann et al. 1985, Pettigrew et al. 1986), but has the flight capability to range widely (Bullen and McKenzie 2002) perhaps tens of kilometres in a night. This is evident from genetic markers, which suggest that males are particularly likely to disperse long distances throughout the landscape (Worthington Wilmer et al. 1994, 1999).

In the current surveys conducted to date, the Ghost Bat was recorded on seven occasions, via acoustic recordings (8 records from three sites), scats recorded in diurnal and/or nocturnal feeding caves (four records), and one individual sighted in a diurnal roosting cave (Table P.1 and Figures P.1 to P.11, Appendix P). Most records were made within Breakaway habitat (four records) followed by Gorge/Gully habitat (three records).

The Ghost Bat was detected by ultrasonic calls at three sites (BAT7, BAT42 and BAT46) indicating a presence in low numbers within the survey area (Bat Call WA 2020b). Multiple Ghost Bat calls were detected at BAT 46 (old mine adit), with call timings indicating between one and five bats diurnally roosting within or nearby (Bat Call WA 2020b).

A total of six Ghost Bat roost caves have been recorded within the survey area (Figures P.1 – P.11, Appendix P) through surveys to date, comprising of one Category 3 roost cave with occasional occupancy, and five Category 4 nocturnal roost caves with opportunistic usage (Table P.1, Appendix P). None of these caves are considered individually significant to the long-term persistence of the species (Bat Call WA 2019).

An additional 46 Ghost Bat roost caves have been recorded within the greater Rhodes Ridge project area through the surveys to date, comprising of four Category 2 roost caves, 15 Category 3 roost caves and 27 Category 4 roost caves (Rhodes Ridge Unpublished Dataset for Rio Tinto (Astron Environmental Services 2021a)). The four Category 2 roost caves (RRCV13, RRCV14, RRCV37, RRCV39) recorded a significant level of ‘activity’ within the caves and were deemed as diurnal roost caves with regular occupancy.

This species has also been previously recorded from abandoned mine adits within the greater Rhodes Ridge project area (Bat Call WA 2020a) (Figures P.1 – P.11, Appendix P). Timing of the echolocation calls detected from the mine adits suggested diurnally roosting bats at seven adits, including five within the current survey area (Bat Call WA 2020a). Data suggest that at least one group of 15 to 20

bats were present and diurnally roosting at the Rhodes Ridge adits during the monitoring period (Bat Call WA 2020a).

Western Pebble-mound Mouse (*Pseudomys chapmani*) (P4)

Extant Western Pebble-mound Mouse populations are widespread in the extensive ranges of the central and southern Pilbara region (Start 2008). The persistence of abandoned mounds in the Gascoyne and Murchison regions and small, isolated, coastal ranges in the Pilbara, however, indicates considerable recent decline (Start 2008). Colonies occur on the gentler slopes of rocky ranges where the ground is covered by stony mulch and vegetated by hard spinifex, often with a sparse overstorey of eucalypts and scattered shrubs, typically *Senna*, *Acacia* and *Ptilotus* (Start 2008).

Thirty-three pebble-mounds (26 active, seven inactive) were recorded within the survey area during current surveys (Figure P.1 – P.11 and Table P.1, Appendix P). Most records (27) were from Low Hills and Slopes habitat, four records were from Rocky Hill habitat, and two records were from Stony Plain habitat. The Western Pebble-mound Mouse was listed in the Rio Tinto Database (Rio Tinto 2019a), NatureMap (Department of Biodiversity, Conservation and Attractions 2019a) and via other flora and fauna surveys within the survey area, the majority of which were also secondary evidence of this species through the distinct pebble-mounds (e.g. Biota Environmental Sciences 2006, Ninox Wildlife Consulting 2009a, 2009b, Astron Environmental Services 2014, Ecologia Environment 2014).

The Western Pebble-mound Mouse is likely to be found throughout the Clay Plain, Mulga Woodland, Rocky Hill and Low Hills and Slopes habitats of the survey area and surrounds. These habitat types are well represented outside of the survey area.

4.3.2.2 Significant Fauna with High Likelihood of Occurrence

Eleven additional significant fauna species were considered to have a high post-survey likelihood of occurrence within the survey area.

Northern Quoll (*Dasyurus hallucatus*) (EN; EN)

The Northern Quoll occurs in a variety of habitats (Oakwood 2008) but is commonly found in open lowland savannah forest and rocky escarpments. Rocky areas are a particularly important zone for Northern Quolls in the Pilbara as these areas retain water and provide a diversity of microhabitats. These areas also tend to have greater floristic diversity and productivity resulting in greater prey density compared to non-rocky areas. These rocky areas also provide refuge from feral cats, fire and livestock (Hill and Ward 2010) and provide breeding potential (Department of the Environment 2013).

Northern Quoll have been recorded on four occasions in the surrounding greater Rhodes Ridge survey area via opportunistic scat observations (Astron Environmental Services 2021a) and are likely to forage within the current survey area. Desktop review and targeted survey has showed that the Northern Quoll has a patchy low-density presence within the Greater Hope Downs vicinity, inclusive of the greater Rhodes Ridge project area and likely including the current survey area, although core habitat is likely to be limited within the current survey area.

Pilbara Leaf-nosed Bat (*Rhinoicteris aurantia* (Pilbara form)) (VU; VU)

Pilbara Leaf-nosed Bats are known to require deep caves characterised by high levels of humidity and stable temperatures (Churchill 2008). This is a result of their limited ability to conserve heat and water (Churchill 1991, Armstrong 2001). Caves deep enough to create this environment are relatively uncommon in the Pilbara, with only 20 to 25 roost sites known (R. Bullen 2014, pers. com., 20 October

2014). Foraging habitat for the Pilbara Leaf-nosed Bat is diverse and includes riparian vegetation, hummock grassland, and sparse tree and shrub savannah (Duncan et al. 1999).

Pilbara Leaf-nosed Bats have also been recorded flying over small watercourses amongst granite boulder terrain, over pools and low shrubs in ironstone gorges, and above low shrubs and around pools in gravelly watercourses with *Melaleuca leucadendron*, such as in Barlee Range Nature Reserve (Armstrong 2001). In the Pilbara, the species has been observed in *Triodia* hummock grasslands covering low rolling hills and shallow gullies, with scattered *Eucalyptus camaldulensis* along the creeks (Churchill 1991, Armstrong 2001).

No Pilbara Leaf-nosed Bats were recorded within the survey area during the current survey however the species has been recently recorded on three occasions in the surrounding greater Rhodes Ridge project area (Astron Environmental Services 2021a)). The species has been previously detected in low numbers at four adits within the Rhodes Ridge project area including three adits within the current survey area and is likely to forage within the survey area.

This species was also recorded at Greater West Angelas (Ecologia Environment 2014) and an additional two records are detailed within DBCA's Threatened and Priority Fauna Database (Department of Biodiversity, Conservation and Attractions 2019b).

No permanent roosts for this species have been recorded in the survey area and the nearest known permanent roost is located approximately 25 km east of the survey area at Kalgan Creek in the Hamersley Ranges (B. Bullen, Bat Call WA, pers. comm. 2014). This species is wide-ranging and likely to forage in habitats such as Low Hills and Slopes, Rocky Hill, Mulga Woodland and Minor Drainage Lines recorded within the survey area and surrounds. These habitat types are well represented outside of the survey area.

Pilbara Olive Python (*Liasis olivaceus barroni*) (VU; VU)

The Pilbara Olive Python prefers escarpments, deep gorges, water holes and rock piles associated with permanent pools in rocky areas in the ranges of the Pilbara region (Pearson 1993; Wilson and Swan 2010). Microhabitat preferences of the Pilbara Olive Python are under rock piles, on top of rocks or under spinifex (Tutt et al. 2004). Individuals spend the cooler winter months within caves and rock crevices away from water sources. In the warmer summer months, the pythons are found to move around widely, usually in close proximity to water and rock outcrops (Wilson and Swan 2010).

This species was recorded three times within the surrounding greater Rhodes Ridge project area from direct observation, motion camera and secondary evidence of a recent skin shed (Rhodes Ridge Unpublished Dataset for Rio Tinto (Astron Environmental Services 2021a)), and historical records exist within the current survey area.

This species may be found at low density within the Gorge/Gully, Breakaway and Minor Drainage habitats of the survey area, particularly at sites that have the potential to support semi-permanent water. These habitats, however, are not well represented within the survey area, compared with the broader Rhodes Ridge project area.

Grey Falcon (*Falco hypoleucos*) (VU)

The Grey Falcon is the rarest Australian falcon and one of the least common raptors. The species is a scarce visitor to the Pilbara where it is found mostly on the coastal plains between the De Grey and Ashburton rivers (Sutton 2010). The Grey Falcon prefers lightly wooded coastal and riverine plains (Johnstone and Storr 1998).

Two Grey Falcons were recorded perched upon a powerline tower within BHP's powerline corridor directly to the east of the survey area (Astron Environmental Services 2021a) and the species is likely to be found within most of the habitats present in the survey area, particularly the plain and drainage line habitats. This species is wide ranging, and these habitats are well represented outside of the survey area.

***Anilius ganei* (P1)**

The blind snake, *Anilius ganei*, is often poorly collected in vertebrate fauna surveys, but is known from the Hope Downs area. This species has been associated with moist gorges and gullies (Wilson and Swan 2010), but potentially occurs over a wide range of other stony habitats. Given its cryptic fossorial habit this species is rarely encountered. Little is known of this species' ecology but like most other blind snakes, it is insectivorous, feeding on termites and their eggs, and larvae and pupae of ants (Wilson and Swan 2010).

This species was recorded three times within the surrounding greater Rhodes Ridge project area via pit trapping in Drainage and Low Hills and Slopes habitat types. It has also been previously recorded (four records) within the vicinity of the survey area (Department of Biodiversity, Conservation, and Attractions 2017b). This species is likely to be present within suitable habitats, including the Gorge/Gully, Breakaway and Drainage habitat types of the survey area. These habitat types are well represented outside of the survey area.

***Underwoodisaurus seorsus* (P2)**

The Pilbara Barking Gecko is a rock-inhabiting, restricted-range species encountered at mid elevations in the Hamersley Ranges, widely separated from the closest populations of the related Barking Gecko *Underwoodisaurus milii* in the northern Goldfields and Shark Bay in Western Australia (Doughty and Oliver 2011).

This species was recorded at Greater West Angelas (Ecologia Environment 2014) and an additional eight records are detailed within DBCA's Threatened and Priority Fauna Database (Department of Biodiversity, Conservation and Attractions 2019b). This species is likely to be found in elevated fauna habitat such as the Rocky Hill habitat recorded within the survey area, which is well represented outside of the survey area.

***Lerista macropisthopus remota* (P2)**

This species favours sandy to sandy loam soils which support *Acacia* shrubland or woodland. It inhabits loose soil under leaf litter at the base of shrubs (Wilson and Swan 2010). Threats to this species are not well known, it is listed as conservation significant due to its very restricted distribution range.

This species was previously recorded from a recent fauna survey conducted within the vicinity of the survey area within a Mulga Woodland habitat (Astron Environmental Services 2021a). Three other records from 2012 exist within 10 km of the survey area (Department of Biodiversity, Conservation and Attractions 2019b). This species is likely to be found in the Mulga Woodland and Clay Plain habitats recorded within the survey area, which are well represented outside of the survey area.

***Falco peregrinus* (OS)**

The Peregrine Falcon is considered a cosmopolitan hunter and will hunt within a variety of habitats. The species nests on rocky ledges in tall, vertical cliff faces and tall trees associated with drainage lines (Johnstone and Storr 1998).

This species was recorded three times within the surrounding greater Rhodes Ridge project area from direct observation (Astron Environmental Services 2021a) and is likely to be found within similar Gorge/Gully, Breakaway and Drainage Line habitats within the current survey area. No nesting sites were observed whilst surveying the Gorge and Breakaway fauna habitats within the current survey area. These habitat types are well represented outside of the survey area.

Letter-winged Kite (*Elanus scriptus*) (P4)

The Letter-winged Kite is classified as an infrequent non-breeding visitor to Western Australia (Johnstone and Storr 1998). This species inhabits open country and grasslands across arid and semi-arid Australia. When a dry spell follows a number of good seasons, single individuals or small groups of this species appear in north Western Australia, outside of their core range and generally do not stay long in these areas (Menkhorst et al. 2017).

This species was previously recorded from a recent fauna survey conducted within the vicinity of the survey area within Minor Drainage habitat (Astron Environmental Services 2021a). This species is therefore considered likely to also occur over the survey area but not to be reliant on any habitats within.

Fork-tailed Swift (Pacific Swift) (*Apus pacificus*) (Mi; Mi)

The Fork-tailed Swift is largely an aerial species independent of the terrestrial environment (Department of the Environment and Energy 2020b). One record of this species was recorded adjacent to the survey area where two individuals were observed opportunistically flying overhead (Astron Environmental Services 2021a). This species is therefore considered likely to also occur over the survey area but not to be reliant on any habitats within.

Oriental Plover (*Charadrius veredus*) (Mi; Mi)

The Oriental Plover is a non-breeding visitor to Australia, where the species occurs in both coastal and inland areas, mostly in northern Australia. Most records are along the north-western coast, between Exmouth Gulf and Derby in Western Australia (Department of the Environment and Energy 2019). This species occupies sparsely vegetated plains, beaches and tidal flats, and saltworks and sometimes sewage ponds.

One individual was opportunistically sighted at the nearby HD1 village camp during recent survey, likely due to the presence of water at the camp (Astron Environmental Services 2021a). This species is therefore considered likely to also occur over the survey area but not to be reliant on any habitats within.

Greater Bilby (*Macrotis lagotis*) (VU; VU)

One significant species previously recorded in the survey area but considered to have a low post-survey likelihood of occurrence was the Greater Bilby (*Macrotis lagotis*) (VU; VU). The survey area is located on the edge, but within the confirmed range of, the current known distribution (Dziminski et al. 2020). Although the Greater Bilby was previously recorded within the survey area from two records – one in 1984 via secondary signs and one in 1983 via historical verbal record (Department of Biodiversity, Conservation and Attractions 2019b), the habitat is considered marginal as the plains were either clay or rock-dominated with only small areas of sandy soils. No evidence of the Greater Bilby was recorded during the current survey, and there are no recent records in the vicinity of the survey area.

5 Conclusion

5.1 Vegetation and Flora

The vegetation recorded in the survey area generally represents what would be expected from similar landforms in the broader Hamersley subregion. Thirty-six vegetation units were mapped.

There were no Commonwealth or State listed TECs recorded within the survey area. Two potential PECs were recorded. Vegetation unit D12 is considered to share strong affinity with the 'Coolibah - Lignum Flats: sub type 2' priority 1 PEC. This vegetation covered 11.9 ha (0.03%) across three locations within the central section of the survey area. Given that none of the nearby or recent surveys have identified this community it is considered unlikely that this vegetation type occurs in large extents outside the survey area in the local region. However, the DBCA database search results listed one occurrence 35.6 km north-west of the survey area (Department of Biodiversity, Conservation and Attractions 2021a). It is noted that this vegetation type is very difficult to discern from other similar but common vegetation on aerial imagery. Therefore, there is potential that there may be more occurrences in the broader area but finding areas to target is considered challenging.

Vegetation unit P15 is likely to represent the 'West Angelas Cracking-Clays' priority 1 PEC. This vegetation covered 76.1 ha (0.18%), with numerous small occurrences (323 polygons ranging from <0.1 ha to 6.6 ha) in the southern portion of the survey area. This vegetation unit extends beyond the survey area to the west (Astron Environmental Services 2021a). It appears to not predominate over large areas. However, it is likely to occur in further small patches, on other expressions of the Wannamunna land system. The community was also identified in the nearby Eco Logical (2014) rare flora survey and Ecologia (2013) Greater West Angelas Vegetation and Flora Assessment.

Additionally, vegetations units P5, P13 and P16 are cracking clay units that possess similarities to vegetation unit P15, however lack the *Astrebla* ssp. required to be defined as the 'West Angelas Cracking-Clays' priority 1 PEC. These three cracking clay units are considered restricted in distribution across the Pilbara, but are represented outside the survey area to the west (Astron Environmental Services 2021a). These vegetation units in total occur across 3,438.4 ha (8.03%) of the survey area.

Vegetation unit P1 (4,625.1 ha, 10.8%) represents a banded mulga community, which has been discussed as an 'Ecosystem at Risk' (Department of Conservation and Land Management 2002). This vegetation unit is known to be relatively well represented outside the current survey area in the broader Rhodes Ridge locality (Astron Environmental Services 2021a). This vegetation is significant because it represents grove/inter-grove mulga, which may play a role in water and nutrient movement within the local landscape (Page 2013). It is currently in very good condition and towards the north-eastern extent of the ecosystem's range. This ecosystem is threatened by common processes such as degradation by grazing pressure and changes to the hydrological regime caused by installation of linear infrastructure (Department of Conservation and Land Management 2002). Additionally, vegetation units P8, P9 and P8/P9 Mosaic represent a hard pan mulga and have a reliance on sheet flow drainage. These vegetation units are considered restricted across the Pilbara region and represent 8,490 ha (20.0%) of the survey area.

An additional four vegetation types (D13, H20, P18 and D19) are considered likely to be of local or regional significance due to their restricted distribution and unique assemblage of species. The D13 vegetation unit may represent a GDE, as it contains the facultative phreatophyte *Eucalyptus victrix*. There is evidence of inundation within D13 for long periods. D13 represents 11.1 ha (0.03%) of the survey area and is considered restricted in local distribution with no other occurrences currently mapped from the greater Rhodes Ridge area (Astron Environmental Services 2021a).

The small calcrete rises amongst the clay plains representing vegetation unit H20 are considered limited in distribution within the Pilbara region and state. Vegetation unit H20 encompasses 39.2 ha (0.09%) of the survey area.

Vegetation units P18 and D19 have limited distribution in the local area. A species originally identified as *Paranotis pterospora* has now been resubmitted to the WA Herbarium to clarify if it is newly discovered species *Paranotis* sp. Pilbara (H. Ajduk HAOP04a) P1, which has its only known distribution in D19 for the whole of the state (Western Australian Herbarium 2021). P18 is a hardpan clay plain that surrounds the D19 drainage line and may provide sheet flow into the D19 drainage line. Both vegetation units are also characterised by *Eremophila galeata* which is at the northern extent of its distribution in the survey area.

Vegetation condition ranged from Excellent to Poor. The 13.1 ha of the survey area in Poor condition was entirely associated with rehabilitation areas. The vegetation across the rocky hills was generally considered Excellent while the majority of the clay plains were rated Good, due to occasional presence of weeds and some exploration-related disturbance.

The survey area lies within the Pre-European vegetation associations Hamersley 18, 29, 82 and 175, all of which have an above 99% pre-European extent remaining (Department of Biodiversity, Conservation and Attractions 2018, Department of Primary Industries and Regional Development 2019a). This is well above the Australian and New Zealand Environment and Conservation Council 30% retention target (Commonwealth of Australia 2001) and the criteria for 10% level of pre-clearing extent as representing 'endangered' adopted by the EPA (Environmental Protection Authority 2000).

The suite of flora species recorded was considered typical of what may be expected in the area (Beard 1975a) and aligns broadly with what has been previously recorded in surrounding areas. The largest previous survey was 17,596 ha and recorded 519 species (Mattiske Consulting 2010). Due to seasonal conditions being sub-optimal for two years of the survey, ephemeral and annual flora diversity may be underrepresented, however overall floristic diversity was considered representative of the region. Due to the above average rainfall prior to the 2021 survey year, the diversity of annual and herbaceous species on the clay plains (particularly cracking clay and crab-holed habitats such as those characterising vegetation units P15, P16 and P17) had increased significantly; it is likely that all of the annuals and herbaceous species that were noted would have been more widespread throughout suitable habitats than was recorded in the first two years of survey.

No threatened flora species have previously been recorded in the survey area, nor are any considered likely to occur. Twenty State listed priority flora species were recorded during the current survey within the survey area: *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1, *Aristida lazaridis* P2, *Euphorbia inappendiculata* var. *inappendiculata* P2, *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2, *Ipomoea racemigera* P2, *Isotropis parviflora* P2, *Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2, *Acacia subtiliformis* P3, *Aristida jerichoensis* var. *subspinulifera* P3, *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3, *Euphorbia australis* var. *glabra* P3, *Glycine falcata* P3, *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) P3, *Indigofera gilesii* P3, *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3, *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3, *Swainsona thompsoniana* P3, *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3, *Themeda triandra*/sp. Hamersley Station (M.E. Trudgen 11431) (potential P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) P3 and *Goodenia nuda* P4. A further six priority flora species (*Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) P1, *Teucrium pilbaranum* P2, *Rostellularia adscendens* var. *latifolia* P3, *Xerochrysum boreale* P3, *Acacia bromilowiana* P4 and *Lepidium catapycnon* P4) have been recorded within the survey area from previous surveys (Rio Tinto 2019a, Department of Biodiversity, Conservation and Attractions 2021c).

Five priority taxa recorded within the survey area are considered range extensions to the current known populations; *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1, *Teucrium pilbaranum* P2, *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3, *Euphorbia australis* var. *glabra* P3

and *Glycine falcata* P3. An additional two species, *Plantago cunninghamii* and *Alloteropsis cimicina*, are also considered range extensions. Of the 41 significant flora taxa returned from database search results that have not been recorded within the survey area, none are considered to have the potential to occur within the survey area post-survey. The vegetation units that support the greatest diversity of priority flora are: P15 (eight species), P18 (seven species), H27, P14, P5, P8 and P8/P9 Mosaic (six species each).

Nine introduced species were recorded within the survey area: *Bidens bipinnata* (bipinnate beggartick), **Cenchrus ciliaris* (buffel grass), **Cenchrus setiger* (birdwood grass), **Chloris virgata* (feathertop rhodes grass), **Flaveria trinervia* (speedy weed), **Malvastrum americanum* (spiked malvastrum), **Setaria verticillata* (whorled pigeon grass), **Tribulus terrestris* (caltrop) and **Vachellia farnesiana* (mimosa bush). The survey area was considered to have a relatively low impact from weeds. However, locations presented are indicative only and weed distribution is much higher, particularly across clay plain areas. It should also be noted that current weed distribution, abundance and diversity, is likely to be underrepresented across the survey area due to two sub-optimal seasons.

5.2 Vertebrate Fauna

Eight broad fauna habitat types were recorded in the survey area: Low Hills and Slopes, Clay Plain, Stony Plain, Rocky Hill, Minor Drainage Line, Mulga Woodland, Gorge/Gully and Breakaway. None of the fauna habitats within the survey area are restricted at the local or sub-regional scale and the survey area is well connected to similar, surrounding habitats. These habitat types are also common and widespread in the broader Pilbara region.

The Gorge/Gully and Breakaway habitats in the survey area are considered important habitat types for MNES fauna species Northern Quoll (EN; EN), Ghost Bat (VU; VU), Pilbara Leaf-nosed Bat (VU; VU) and Pilbara Olive Python (VU; VU) due to the microhabitats they provide such as caves and semi-permanent water pools that are important for species foraging and sheltering requirements. In a regional context, these Gorge and Breakaway habitats are well represented in the surrounding Chichester and Hamersley Ranges.

Database search results identified 344 vertebrate fauna species previously recorded within 50 km of the survey area, including seven amphibian species, 120 reptile species, 167 bird species (including one introduced bird species) and 50 mammal species (including 10 introduced mammal species). One-hundred and eighty-three fauna species, comprising four amphibians, 70 reptiles, 80 birds and 29 mammals were recorded within the survey area. The expected fauna assemblage identified from the desktop assessment and those recorded during survey are commonly recorded taxa in Pilbara biological surveys.

The MNES fauna species Ghost Bat was recorded during the current survey within natural caves and via echolocation recording. A total of six Ghost Bat roost caves were recorded comprising one Category 3 roost cave with occasional occupancy, and five Category 4 nocturnal roost caves with opportunistic usage. None of these caves are considered individually significant to the long-term persistence of the species.

Ghost Bats have also been recorded historically within the survey area in six abandoned mine adits roosting in low numbers. Monitoring studies have shown that five of these adits are regularly being used as diurnal roosts (Category 2 and Category 3) by Ghost Bats, and three show occasional usage by an additional MNES species the Pilbara Leaf-nosed Bat. A Rio Tinto exclusion and restriction area has been placed over the adits to ensure no disturbance activities will be conducted within 200 m (E. Carroll, pers.com., 27 November 2019) and subject to appropriate planning and continuing

environmental controls, the conservation status of these species is unlikely to be affected by the proposal.

The MNES species, the Pilbara Olive Python and Northern Quoll, have been recently recorded in close proximity to the survey area and would be expected to utilise the area mainly as foraging and dispersal habitat. The survey area lacks extensive Gorge/Gully and Breakaway habitats and permanent/semi-permanent water sources associated with core habitat features for these MNES species. As such, the conservation status of these species is also unlikely to be affected by the proposal.

An additional MNES species, the Pilbara Leaf-nosed Bat, has been recently recorded in close proximity to the survey area, and would be expected to utilise the area mainly as foraging and dispersal habitat. Detected in low numbers from the greater Rhodes Ridge project area (Astron Environmental Services 2021a) the survey area does not contain any known roost locations. Its foraging habitat is wide utilising Low Hills and Slopes, Rocky Hill, Mulga Woodland and Minor Drainage Line habitats, which are well represented outside the survey area.

One priority fauna species was recorded during the current survey: the Western Pebble-mound Mouse (P4) from active and inactive mounds within Low Hills and Slopes, Rocky Hill, and Stony Plain habitats of the survey area. These habitats are widespread and common within the vicinity of the survey area and the wider Pilbara region, and the species is unlikely to be impacted by the proposal.

Eight other significant species, the Pilbara Barking Gecko (P2), *Anilius ganei* (P1), Letter-winged Kite (P4), Oriental Plover (Mi; Mi), Grey Falcon (VU), Peregrine Falcon (OS), Fork-tailed Swift (Mi; Mi) and *Lerista macropisthopus remota* (P2) were considered highly likely to occur in the survey area, within the habitats present. However, none of these species are considered likely to be dependent on the habitats present in the survey area and most of the bird species are only likely to use the survey area as part of a larger foraging area. None of these species are likely to be impacted by the proposal.

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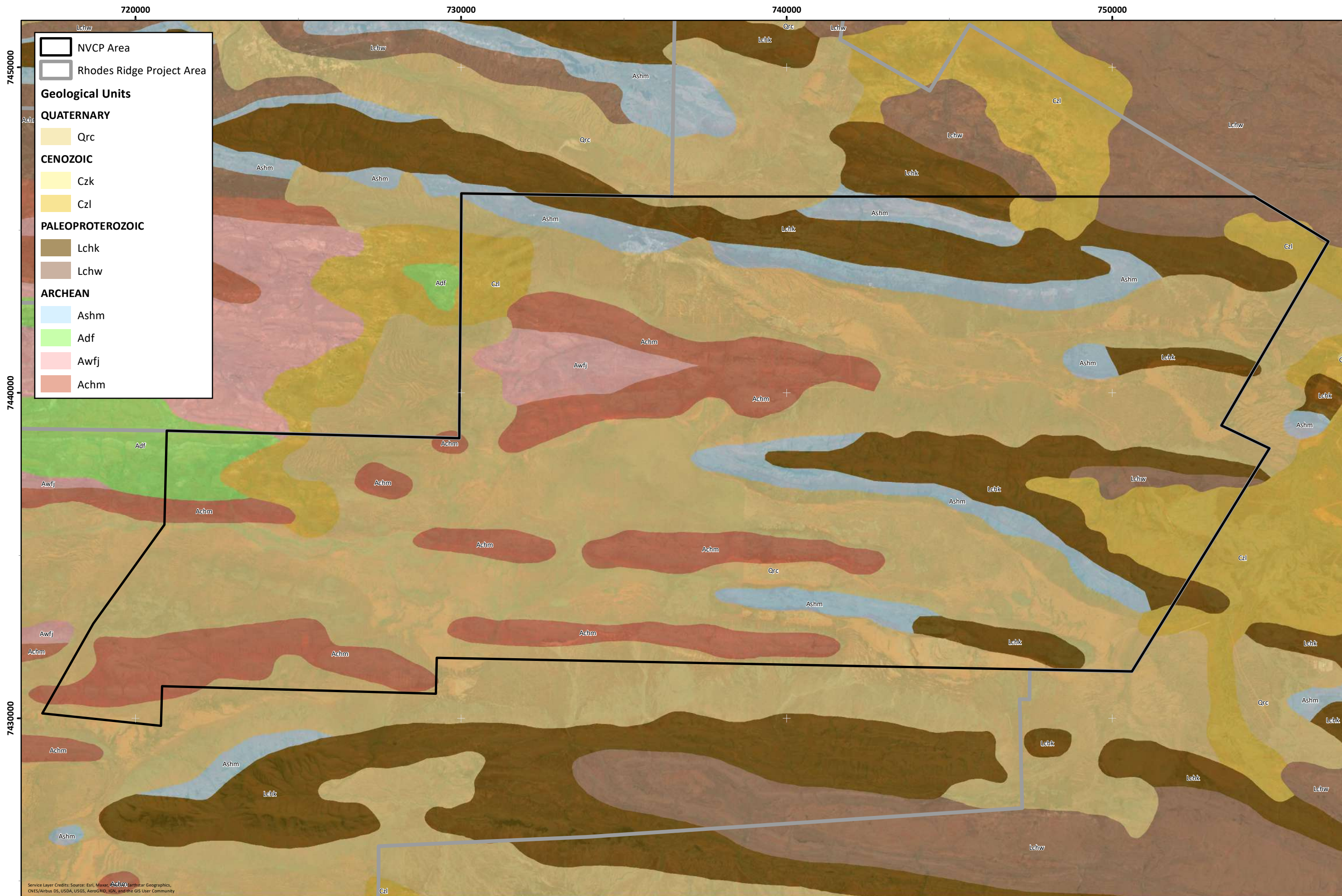
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Appendix A: Geological Units, Land Systems and Pre-European Vegetation of the Survey Area

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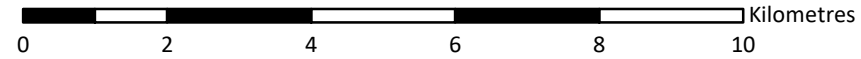


Rio Tinto
Rhodes Ridge NVCP, Flora
Figure A.1: Geological Units

Author: L. Dadour

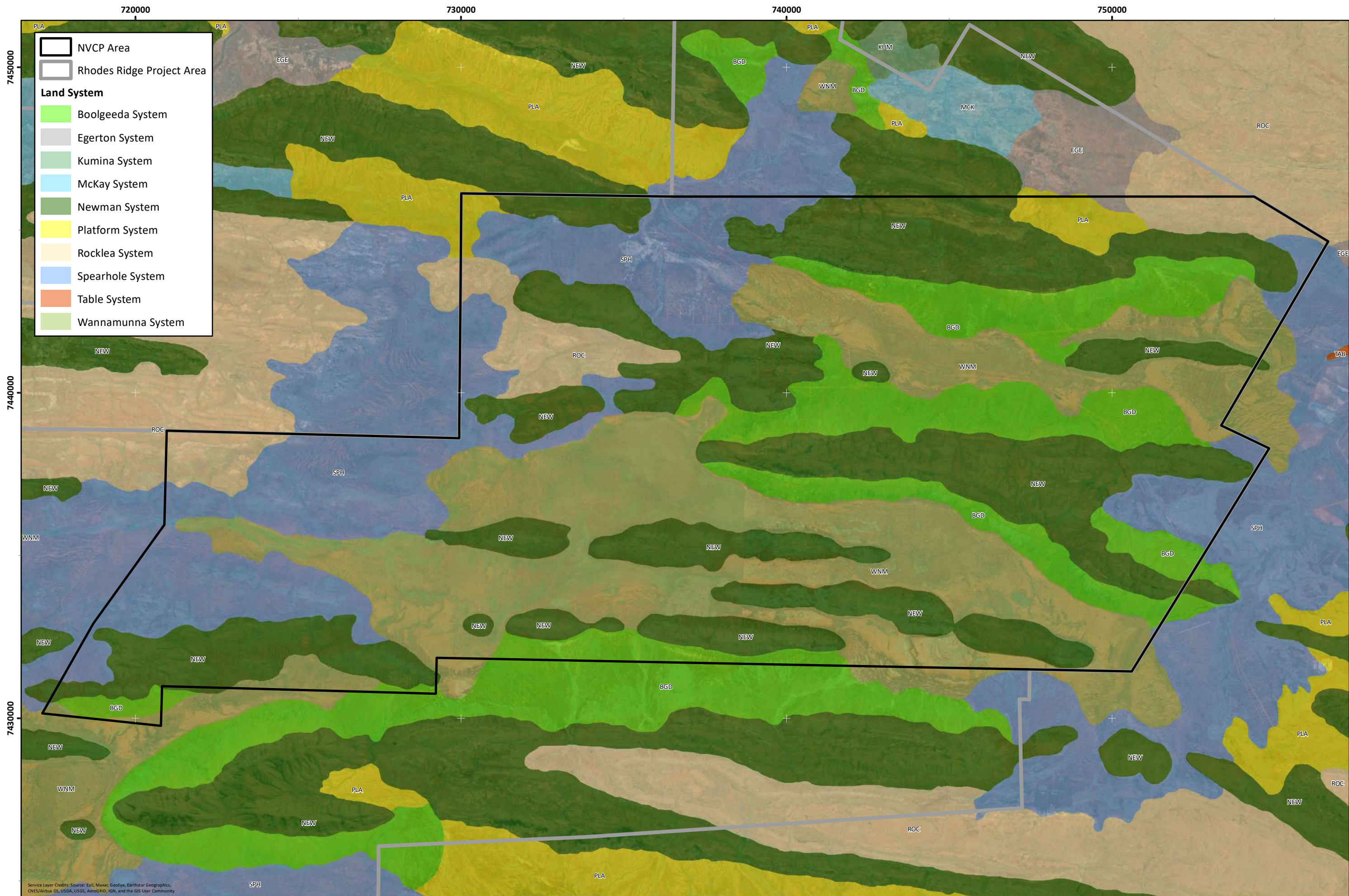
Drawn: C. Dyde

Scale: 1:105,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 15-12-2021

Figure Ref: 14200-001-21-BIDR-1RevA_211215_Flora_FigA1_Geo



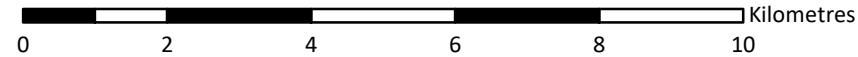
Rio Tinto
Rhodes Ridge NVCP, Flora
Figure A.2: Land Systems

Author: L. Dadour

Drawn: C. Dyde

Scale: 1:105,000 at A3

Coordinate System: GDA 1994 MGA Zone 50



Date: 15-12-2021

Figure Ref: 14200-001-21-BIDR-1RevA_211215_Flora_FigA2_LSys



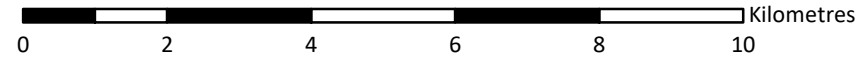
Rio Tinto
Rhodes Ridge NVCP, Flora

Figure A.3: Pre-European Vegetation

Author: L. Dadour

Drawn: C. Dyde

Scale: 1:105,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 15-12-2021

Figure Ref: 14200-001-21-BIDR-1RevA_211215_Flora_FigA3_PEV

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Appendix B: Conservation Categories for Flora, Fauna and Ecological Communities, and Categories for Introduced Flora

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Table B.1: Categories and definitions for threatened flora and fauna species listed under the *Environment Protection and Biodiversity Conservation Act 1999*.

Conservation category	Definition
Extinct	Taxa with no reasonable doubt that the last member of the species has died.
Extinct in the wild	Taxa known to survive only in cultivation, in captivity or as a naturalised population well outside its past range; or it has not been recorded in its known and/or expected habitat, at appropriated seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form.
Critically endangered (CR)	Taxa facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria.
Endangered (E)	Taxa are not critically endangered; and are facing a very high risk of extinction in the wild in the near future, as determined in accordance with the prescribed criteria.
Vulnerable (V)	Taxa are not critically endangered or endangered; and are facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.
Conservation dependent (CD)	Taxa are the focus of a specific conservation program the cessation of which would result in the species becoming vulnerable, endangered or critically endangered; or the following subparagraphs are satisfied: <ul style="list-style-type: none"> i) the taxa is a species of fish; ii) the taxa is the focus of a management plan that provides management actions necessary to stop the decline of, and support the recovery of, the taxa so that its chances of long term survival in nature are maximised; iii) the management plan is in force under a law of the Commonwealth or of a State or Territory; iv) cessation of the management plan would adversely affect the conservation status of the taxa Fish includes all taxa of bony fish, sharks, rays, crustaceans, molluscs and other marine organisms, but does not include marine mammals/reptiles.
Migratory (Mi)	Taxa are considered migratory species; <ul style="list-style-type: none"> i) if they are native to Australia and are included in the appendices to the Bonn Convention (Convention on the Conservation of Migratory Species of Wild Animals Appendices I and II); ii) all migratory species included in annexes established under the Japan-Australia Migratory Bird Agreement (JAMBA) and the China-Australia Migratory Bird Agreement (CAMBA); and iii) Are native, migratory species identified in a list established under, or an instrument made under, an international agreement approved by the Minister, such as the Republic of Korea-Australia Migratory Bird Agreement (ROKAMBA).

Note: CD and Mi are only related to conservation significant fauna

Table B.2: Definitions and criteria for threatened ecological communities under the *Environment Protection and Biodiversity Conservation Act 1999*.

Categories of ecological communities	
Critically endangered	If, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria.
Endangered	If, at that time, it is not critically endangered and is facing a very high risk of extinction in the wild in the near future, as determined in accordance with the prescribed criteria.
Vulnerable	If, at that time, it is not critically endangered or endangered, and is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.

Table B.3: Categories of threatened ecological communities (Department of Environment and Conservation 2013).

PD: Presumed Totally Destroyed
<p>An ecological community that has been adequately searched for but for which no representative occurrences have been located. The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence of it is likely to recover its species composition and/or structure in the foreseeable future.</p> <p>An ecological community will be listed as presumed totally destroyed if there are no recent records of the community being extant and either of the following applies (A or B):</p> <p>A) Records within the last 50 years have not been confirmed despite thorough searches of known or likely habitats or</p> <p>B) All occurrences recorded within the last 50 years have since been destroyed.</p>
CR : Critically Endangered
<p>An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or that was originally of limited distribution and is facing severe modification or destruction throughout its range in the immediate future, or is already severely degraded throughout its range but capable of being substantially restored or rehabilitated.</p> <p>An ecological community will be listed as Critically Endangered when it has been adequately surveyed and is found to be facing an extremely high risk of total destruction in the immediate future. This will be determined on the basis of the best available information, by it meeting any one or more of the following criteria (A, B or C):</p> <p>A) The estimated geographic range, and/or total area occupied, and/or number of discrete occurrences since European settlement have been reduced by at least 90% and either or both of the following apply (i or ii):</p> <p>i) geographic range, and/or total area occupied and/or number of discrete occurrences are continuing to decline such that total destruction of the community is imminent (within approximately 10 years);</p> <p>ii) modification throughout its range is continuing such that in the immediate future (within approximately 10 years) the community is unlikely to be capable of being substantially rehabilitated.</p> <p>B) Current distribution is limited, and one or more of the following apply (i, ii or iii):</p> <p>i) geographic range and/or number of discrete occurrences, and/or area occupied is highly restricted and the community is currently subject to known threatening processes which are likely to result in total destruction throughout its range in the immediate future (within approximately 10 years);</p> <p>ii) there are very few occurrences, each of which is small and/or isolated and extremely vulnerable to known threatening processes;</p> <p>iii) there may be many occurrences but total area is very small and each occurrence is small and/or isolated and extremely vulnerable to known threatening processes.</p> <p>C) The ecological community exists only as highly modified occurrences that may be capable of being rehabilitated if such work begins in the immediate future (within approximately 10 years).</p>

EN: Endangered

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

An ecological community will be listed as **Endangered** when it has been adequately surveyed and is not Critically Endangered but is facing a very high risk of total destruction in the near future. This will be determined on the basis of the best available information by it meeting **any one or more** of the following criteria (A, B, or C):

A) The geographic range, and/or total area occupied, and/or number of discrete occurrences have been reduced by at least 70% since European settlement **and either or both** of the following apply (i or ii):

i) the estimated geographic range, and/or total area occupied and/or number of discrete occurrences are continuing to decline such that total destruction of the community is likely in the short term future (within approximately 20 years);

ii) modification throughout its range is continuing such that in the short term future (within approximately 20 years) the community is unlikely to be capable of being substantially restored or rehabilitated.

B) Current distribution is limited, **and one or more** of the following apply (i, ii or iii):

i) geographic range and/or number of discrete occurrences, and/or area occupied is highly restricted and the community is currently subject to known threatening processes which are likely to result in total destruction throughout its range in the short term future (within approximately 20 years);

ii) there are few occurrences, each of which is small and/or isolated and all or most occurrences are very vulnerable to known threatening processes;

iii) there may be many occurrences but total area is small and all or most occurrences are small and/or isolated and very vulnerable to known threatening processes.

C) The ecological community exists only as very modified occurrences that may be capable of being substantially restored or rehabilitated if such work begins in the short-term future (within approximately 20 years).

VU: Vulnerable

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

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

A) The ecological community exists largely as modified occurrences that are likely to be capable of being substantially restored or rehabilitated.

B) The ecological community may already be modified and would be vulnerable to threatening processes, is restricted in area and/or range and/or is only found at a few locations.

C) The ecological community may be still widespread but is believed likely to move into a category of higher threat in the medium to long term future because of existing or impending threatening processes.

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

Table B.4: Definitions and criteria for priority ecological communities (Department of Environment and Conservation 2013).

P1: Priority One – Poorly-known ecological communities
Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤ 5 occurrences or a total area of ≤ 100 ha). Occurrences are believed to be under threat either due to limited extent, or being on lands under immediate threat (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) or for which current threats exist. May include communities with occurrences on protected lands. Communities may be included if they are comparatively well-known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under immediate threat from known threatening processes across their range.
P2: Priority Two – Poorly-known ecological communities
Communities that are known from few occurrences with a restricted distribution (generally ≤ 10 occurrences or a total area of ≤ 200 ha). At least some occurrences are not believed to be under immediate threat 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.
P3: Priority Three – Poorly-known ecological communities
(i) Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation or: (ii) communities known from a few widespread occurrences, which are either large or within significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat, or; (iii) communities made up of large, and/or widespread occurrences, that may or not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, and inappropriate fire regimes. 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.
P4: Priority Four
Ecological communities that are adequately known, rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list. These communities require regular monitoring. (i) Rare. Ecological communities known from few occurrences that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These communities are usually represented on conservation lands. (ii) Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable. (iii) Ecological communities that have been removed from the list of threatened communities during the past five years.
P5: Priority Five – Conservation dependent ecological communities
Ecological communities that are not threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming threatened within five years.

Table B.5: Conservation codes for threatened Western Australian flora and fauna under the *Biodiversity Conservation Act 2016* (Department of Biodiversity, Conservation and Attractions 2019c).

Conservation category	Conservation category	Definition
Critically endangered (CR)	Schedule 1 of the <i>Wildlife Conservation (Specially Protected Fauna) Notice</i> .	Taxa “facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with criteria set out in the ministerial guidelines.”
Endangered (EN)	Schedule 2 of the <i>Wildlife Conservation (Specially Protected Fauna) Notice</i> .	Taxa “facing a very high risk of extinction in the wild in the near future, as determined in accordance with criteria set out in the ministerial guidelines.”
Vulnerable (VU)	Schedule 3 of the <i>Wildlife Conservation (Specially Protected Fauna) Notice</i> .	Taxa “facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with criteria set out in the ministerial guidelines.”
Extinct (EX)	Schedule 4 of the <i>Wildlife Conservation (Specially Protected Fauna) Notice</i> .	“there is no reasonable doubt that the last member of the species has died.”
Extinct in the wild (EW)	Listing in accordance with Ministerial Guidelines (Section 25 of the BC Act)	Species that “is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; and has not been recorded in its known habitat or expected habitat, at appropriate seasons, anywhere in its past range, despite surveys over a time frame appropriate to its life cycle and form”. Currently there are no threatened flora species listed as EW. If listing of a species as EW occurs, then a schedule will be added to the applicable notice.
Migratory species (MI)	Listed as migratory birds protected under an international agreement under schedule 5 of the <i>Wildlife Conservation (Specially Protected Fauna) Notice</i> .	“Fauna that periodically or occasionally visit Australia or an external Territory or the exclusive economic zone; or the species is subject of an international agreement that relates to the protection of migratory species and that binds the Commonwealth.”
Species of special conservation interest (conservation dependent fauna) (CD)	Listed as conservation dependent fauna under schedule 6 of the <i>Wildlife Conservation (Specially Protected Fauna) Notice</i> .	“Species dependent on ongoing conservation intervention to prevent it becoming eligible for listing as threatened.”
Other specially protected species (OS)	Listed as other specially protected fauna under schedule 7 of the <i>Wildlife Conservation (Specially Protected Fauna) Notice</i> .	“Fauna otherwise in need of special protection to ensure their conservation.”

Note: MI, CD and OS are only related to conservation significant fauna

Taxa that have not yet been adequately surveyed to be listed under Schedule 1 or 2 are added to the Priority Flora and Priority Fauna Lists under Priorities 1, 2 or 3. These three categories are ranked in order of priority for survey and evaluation of conservation status so that consideration can be given to their declaration as Threatened flora or fauna. Taxa that are adequately known, are rare but not threatened, or meet criteria for Near Threatened, or that have been recently removed from the threatened list for other than taxonomic reasons, are placed in Priority 4. These taxa require regular monitoring.

Table B.6: Priority species codes for Western Australian flora (Department of Biodiversity, Conservation and Attractions 2019c).

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

The management of introduced flora species in Western Australia is now regulated through the *Biosecurity and Agriculture Management Act 2007* (BAM Act). A list of declared pests, including ‘pest’ plants is provided under the BAM Act, which has been updated to incorporate a number of other Acts that are administered by Department of Agriculture and Food Western Australia (Department of Agriculture and Food Western Australia 2016). Declared pests can fall into two categories: one that relates to the prevention of introducing the species or eradicating it; and the other relates to managing the species and whether it can be kept (i.e. for scientific purposes, education or other purpose).

The threat and risk posed to site-specific biodiversity values, influences to rehabilitation success, primary production, infrastructure assets or human health will differ depending on the unique characteristics of each site and the associated land management practice or operation. Therefore site or project specific weed assessments and priorities should be reviewed for each project.

As per introduced flora species, the BAM Act seeks to establish a modern biosecurity regulatory scheme to prevent serious animal pests from entering the State and becoming established, and to minimise the spread and impact of any that are already present within the State. Declared animal pests fall into three categories as Gazetted under the *Biosecurity and Agriculture Management Regulations 2013*. These categories are outlined in Table B.7.

Table B.7: Declared pests control categories as gazetted under the *Biosecurity and Agriculture Management Regulations 2013*.

Category	Description
C1 (Exclusion)	Pests will be assigned to this category if they are not established in Western Australia and control measures are to be taken, including border checks, in order to prevent them entering and establishing in the State.
C2 (Eradication)	Pests will be assigned to this category if they are present in Western Australia in low enough numbers or in sufficiently limited areas that their eradication is still a possibility.
C3 (Management)	Pests will be assigned to this category if they are established in Western Australia but it is feasible, or desirable, to manage them in order to limit their damage. Control measures can prevent a C3 pest from increasing in population size or density or moving from an area in which it is established into an area which currently is free of that pest.

Appendix C: Database Searches and Priority Ecological Communities Previously Recorded in Proximity to the Survey Area

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NatureMap Species Report

Created By Guest user on 26/10/2021

Kingdom Plantae
Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 119° 19' 46" E, 23° 08' 54" S
Buffer 40km
Group By Family

Family	Species	Records
Acanthaceae	4	13
Aizoaceae	2	3
Amaranthaceae	32	144
Apiaceae	1	1
Apocynaceae	3	4
Araliaceae	4	12
Asphodelaceae	1	1
Asteraceae	60	142
Bignoniaceae	1	1
Boraginaceae	11	23
Brassicaceae	11	66
Campanulaceae	3	12
Capparaceae	2	7
Caryophyllaceae	5	13
Celastraceae	2	4
Chenopodiaceae	25	75
Cleomaceae	2	10
Commelinaceae	1	2
Convolvulaceae	13	27
Cucurbitaceae	2	2
Cyperaceae	17	47
Dilleniaceae	1	2
Ditrichaceae	1	1
Elatinaceae	1	1
Euphorbiaceae	12	21
Fabaceae	130	593
Funariaceae	1	1
Gentianaceae	1	1
Goodeniaceae	30	130
Gyrostemonaceae	1	8
Haloragaceae	3	8
Hemerocallidaceae	1	3
Lamiaceae	6	12
Lauraceae	1	2
Loranthaceae	11	16
Lythraceae	2	2
Malvaceae	59	183
Marsileaceae	3	5
Molluginaceae	1	2
Montiaceae	5	16
Moraceae	2	4
Myrtaceae	27	130
Nyctaginaceae	2	2
Oleaceae	2	9
Ophioglossaceae	1	1
Orobanchaceae	1	1
Oxalidaceae	1	1
Papaveraceae	1	1
Phrymaceae	2	3
Phyllanthaceae	4	5
Plantaginaceae	2	9
Plumbaginaceae	1	1
Poaceae	94	373
Polygalaceae	2	6
Polygonaceae	1	1
Portulacaceae	3	7
Primulaceae	1	1
Proteaceae	13	37
Pteridaceae	6	15
Rhamnaceae	1	2
Ricciaceae	3	3
Rubiaceae	6	12
Santalaceae	4	13
Sapindaceae	8	18
Scrophulariaceae	26	85
Solanaceae	22	60
Stylidiaceae	1	11
Surianaceae	1	6
Thymelaeaceae	2	3
Typhaceae	1	3
Violaceae	1	6
Zygophyllaceae	6	11
TOTAL	720	2456

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthaceae				
1.	7164 <i>Dicladanthera forrestii</i>			
2.	11320 <i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>			
3.	7174 <i>Rostellularia adscendens</i>			
4.	11556 <i>Rostellularia adscendens</i> var. <i>latifolia</i>		P3	
Aizoaceae				
5.	44241 <i>Trianthema glossostigmum</i>			
6.	44305 <i>Trianthema pilosum</i>			
Amaranthaceae				
7.	2646 <i>Aerva javanica</i> (Kapok Bush)	Y		
8.	2647 <i>Alternanthera angustifolia</i>			
9.	2648 <i>Alternanthera denticulata</i> (Lesser Joyweed)			
10.	2651 <i>Alternanthera nana</i> (Hairy Joyweed)			
11.	2652 <i>Alternanthera nodiflora</i> (Common Joyweed)			
12.	2660 <i>Amaranthus cuspidifolius</i>			
13.	11035 <i>Amaranthus induratus</i>			
14.	20018 <i>Amaranthus undulatus</i>			
15.	2676 <i>Gomphrena canescens</i> (Batchelors Buttons)			
16.	2680 <i>Gomphrena cunninghamii</i>			
17.	18367 <i>Gomphrena kanisii</i>			
18.	18372 <i>Gomphrena lanata</i>			
19.	2690 <i>Ptilotus aervooides</i>			
20.	2696 <i>Ptilotus astrolasius</i>			
21.	2698 <i>Ptilotus auriculifolius</i>			
22.	2704 <i>Ptilotus calostachyus</i> (Weeping Mulla Mulla)			
23.	2706 <i>Ptilotus carinatus</i>			
24.	2711 <i>Ptilotus clementii</i> (Tassel Top)			
25.	2718 <i>Ptilotus drummondii</i> (Narrowleaf Mulla Mulla)			
26.	2721 <i>Ptilotus exaltatus</i> (Tall Mulla Mulla)			
27.	2725 <i>Ptilotus fusiformis</i>			
28.	2727 <i>Ptilotus gaudichaudii</i>			
29.	2728 <i>Ptilotus gomphrenoides</i>			
30.	2731 <i>Ptilotus helipteroides</i> (Hairy Mulla Mulla)			
31.	2734 <i>Ptilotus incanus</i>			
32.	2744 <i>Ptilotus mollis</i>		P4	
33.	2746 <i>Ptilotus nobilis</i> (Tall Mulla Mulla)			
34.	2747 <i>Ptilotus obovatus</i> (Cotton Bush)			
35.	2751 <i>Ptilotus polystachyus</i> (Prince of Wales Feather)			
36.	2754 <i>Ptilotus roei</i>			
37.	2755 <i>Ptilotus rotundifolius</i> (Royal Mulla Mulla)			
38.	2757 <i>Ptilotus schwartzii</i>			
Apiaceae				
39.	6218 <i>Daucus glochidiatus</i> (Australian Carrot)			
Apocynaceae				
40.	6584 <i>Cynanchum floribundum</i> (Dumara Bush, Tjipa)			
41.	12832 <i>Gymnanthera cunninghamii</i>		P3	
42.	48986 <i>Vincetoxicum lineare</i>			
Araliaceae				
43.	6202 <i>Astrotricha hamptonii</i> (Ironplant)			
44.	6278 <i>Trachymene oleracea</i>			
45.	19043 <i>Trachymene oleracea</i> subsp. <i>oleracea</i>			
46.	19053 <i>Trachymene pilbarensis</i>			
Asphodelaceae				
47.	14312 <i>Bulbine pendula</i>			
Asteraceae				
48.	7854 <i>Bidens bipinnata</i> (Bipinnate Beggartick)	Y		
49.	46338 <i>Bidens subalternans</i> var. <i>simulans</i>	Y		
50.	7871 <i>Brachyscome ciliaris</i>			
51.	45034 <i>Brachyscome rudallensis</i>			
52.	7891 <i>Calocephalus francisii</i> (Fine-leaf Beauty-heads)			
53.	7895 <i>Calocephalus multiflorus</i> (Yellow-top)			
54.	48223 <i>Calocephalus pilbarensis</i>			
55.	7904 <i>Calotis latiuscula</i>			
56.	7905 <i>Calotis multicaulis</i> (Many-stemmed Burr-daisy)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
57.	7906 <i>Calotis plumulifera</i>			
58.	7919 <i>Centipeda minima</i> (Spreading Sneezewood, Kanjirralaa, Inteng-inteng, Karengkal, Kata-palkalpa, Munyu-parnti-parnti)			
59.	19762 <i>Centipeda minima</i> subsp. <i>macrocephala</i>			
60.	47174 <i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>			
61.	33516 <i>Chrysocephalum gilesii</i>			
62.	12614 <i>Chrysocephalum pterochaetum</i>			
63.	7939 <i>Conyza bonariensis</i> (Flaxleaf Fleabane)	Y		
64.	<i>Conyza</i> sp.			
65.	35558 <i>Flaveria trinervia</i> (Speedy Weed)	Y		
66.	7988 <i>Gnephosis arachnoidea</i> (Cobwebby-headed Gnephosis)			
67.	8088 <i>Ixiochlamys cuneifolia</i>			
68.	19727 <i>Leiocarpa semicalva</i> subsp. <i>semicalva</i>			
69.	8109 <i>Minuria integerrima</i> (Smooth Minuria)			
70.	8110 <i>Minuria leptophylla</i> (Minnie Daisy)			
71.	12635 <i>Olearia fluvialis</i>			
72.	8151 <i>Olearia stuartii</i>			
73.	8153 <i>Olearia xerophila</i>			
74.	42160 <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i>			
75.	34997 <i>Peripleura arida</i>			
76.	35001 <i>Peripleura virgata</i>			
77.	8167 <i>Pluchea dentex</i>			
78.	8168 <i>Pluchea rubelliflora</i>			
79.	45239 <i>Podolepis eremaea</i>			
80.	8189 <i>Pseudognaphalium luteoalbum</i> (Jersey Cudweed)			
81.	41221 <i>Pterocaulon serrulatum</i> var. <i>velutinum</i>			
82.	8192 <i>Pterocaulon sphacelatum</i> (Apple Bush, Fruit Salad Plant)			
83.	8193 <i>Pterocaulon sphaeranthoides</i>			
84.	13308 <i>Rhodanthe charsleyae</i>			
85.	13301 <i>Rhodanthe floribunda</i>			
86.	13246 <i>Rhodanthe humboldtiana</i>			
87.	13310 <i>Rhodanthe margarethae</i>			
88.	42011 <i>Rhodanthe polakii</i>			
89.	13251 <i>Rhodanthe propinqua</i>			
90.	13303 <i>Rhodanthe sterilesens</i>			
91.	45178 <i>Roebuckiella similis</i>			
92.	8198 <i>Rutidosis helichrysoides</i> (Grey Wrinklewort)			
93.	17985 <i>Rutidosis helichrysoides</i> subsp. <i>helichrysoides</i>			
94.	13285 <i>Schoenia ayersii</i>			
95.	8213 <i>Senecio magnificus</i> (Showy Groundsel)			
96.	8223 <i>Sigesbeckia orientalis</i> (Indian Weed)	Y		
97.	8231 <i>Sonchus oleraceus</i> (Common Sowthistle)	Y		
98.	8235 <i>Streptoglossa bubakii</i>			
99.	8236 <i>Streptoglossa cylindriceps</i>			
100.	8237 <i>Streptoglossa decurrens</i>			
101.	8238 <i>Streptoglossa liatroides</i>			
102.	11788 <i>Vittadinia dissecta</i> var. <i>hirta</i>			
103.	8265 <i>Vittadinia eremaea</i>			
104.	33026 <i>Vittadinia</i> sp. Coondewanna Flats (S. van Leeuwen 4684)		P1	
105.	48251 <i>Xerochrysum boreale</i>		P3	
106.	48250 <i>Xerochrysum interiore</i>			
107.	44861 <i>Xerochrysum macranthum</i>			

Bignoniaceae

108. 7117 *Pandorea pandorana*

Boraginaceae

109. 6687 *Halgania cyanea* (Rough Halgania)
 110. 29840 *Halgania cyanea* var. *Allambi Stn* (B.W. Strong 676)
 111. 30294 *Halgania gustafsenii* var. *Mid West* (G. Perry 370)
 112. 17301 *Heliotropium chrysocarum*
 113. 6706 *Heliotropium cunninghamii*
 114. 10992 *Heliotropium glabellum*
 115. 6712 *Heliotropium heteranthum*
 116. 17307 *Heliotropium inexplicitum*
 117. 17309 *Heliotropium pachyphyllum*
 118. 17313 *Heliotropium skeleton*
 119. 6727 *Trichodesma zeylanicum* (Camel Bush, Kumbalin)

Brassicaceae

120. 3022 *Lepidium catapycnon* (Hamersley Lepidium)
 121. 3025 *Lepidium echinatum*

P4

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
122.	3032 <i>Lepidium muelleri-ferdinandii</i>			
123.	3033 <i>Lepidium oxytrichum</i>			
124.	3035 <i>Lepidium pedicellosum</i>			
125.	3037 <i>Lepidium phlebopetalum</i> (Veined Peppercross)			
126.	3038 <i>Lepidium pholidogynum</i>			
127.	3054 <i>Menkea villosula</i>			
128.	3074 <i>Stenopetalum anfractum</i>			
129.	3075 <i>Stenopetalum decipiens</i>			
130.	3078 <i>Stenopetalum nutans</i>			
Campanulaceae				
131.	37480 <i>Lobelia arnhemiaca</i>			
132.	36880 <i>Lobelia heterophylla</i> subsp. <i>pilbarensis</i>			
133.	7393 <i>Wahlenbergia tumidifruca</i>			
Capparaceae				
134.	2976 <i>Capparis lasiantha</i> (Split Jack, Balqarda)			
135.	2981 <i>Capparis spinosa</i>			
Caryophyllaceae				
136.	2898 <i>Polycarpaea corymbosa</i>			
137.	12075 <i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>			
138.	2901 <i>Polycarpaea holtzei</i>			
139.	2902 <i>Polycarpaea involucrata</i>			
140.	2903 <i>Polycarpaea longiflora</i>			
Celastraceae				
141.	19500 <i>Maytenus</i> sp. Mt Windell (S. van Leeuwen 846)			
142.	19555 <i>Stackhousia muricata</i> subsp. <i>annual</i> (W.R. Barker 2172)			
Chenopodiaceae				
143.	2453 <i>Atriplex codonocarpa</i> (Flat-topped Saltbush)			
144.	2476 <i>Atriplex semilunaris</i> (Annual Saltbush)			
145.	2485 <i>Chenopodium auricomum</i> (Queensland Bluebush)			
146.	2502 <i>Dysphania kalpari</i> (Rat's Tail, Kalpari)			
147.	33479 <i>Dysphania melanocarpa</i> (Black Crumbweed)			
148.	33596 <i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>			
149.	33597 <i>Dysphania melanocarpa</i> forma <i>melanocarpa</i> (Black Goosefoot)			
150.	2506 <i>Dysphania rhadinostachya</i>			
151.	2511 <i>Enchylaena tomentosa</i> (Barrier Saltbush)			
152.	12064 <i>Enchylaena tomentosa</i> var. <i>tomentosa</i> (Barrier Saltbush)			
153.	2538 <i>Maireana carnosae</i> (Cottony Bluebush)			
154.	2544 <i>Maireana georgei</i> (Satiny Bluebush)			
155.	2551 <i>Maireana melanocoma</i> (Pussy Bluebush)			
156.	2556 <i>Maireana planifolia</i> (Low Bluebush)			
157.	2566 <i>Maireana thesioides</i> (Lax Bluebush)			
158.	2567 <i>Maireana tomentosa</i> (Felt Bluebush)			
159.	2571 <i>Maireana villosa</i>			
160.	2582 <i>Rhagodia eremaea</i> (Thorny Saltbush)			
161.	20168 <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794)		P3	
162.	30434 <i>Salsola australis</i>			
163.	2603 <i>Sclerolaena cornishiana</i> (Cartwheel Burr)			
164.	2606 <i>Sclerolaena cuneata</i> (Yellow Bindii)			
165.	2607 <i>Sclerolaena densiflora</i>			
166.	2619 <i>Sclerolaena lanicuspis</i> (Spinach Burr)			
167.	2631 <i>Sclerolaena tetragona</i>			
Cleomaceae				
168.	2985 <i>Cleome oxalidea</i>			
169.	2988 <i>Cleome viscosa</i> (Tickweed, Tjinduwadhu)			
Commelinaceae				
170.	1165 <i>Commelina ensifolia</i> (Wandering Jew, Buargu)			
Convolvulaceae				
171.	11167 <i>Bonamia erecta</i>			
172.	44782 <i>Bonamia pilbarensis</i>			
173.	6612 <i>Convolvulus clementii</i>			
174.	31274 <i>Duperreya commixta</i>			
175.	6617 <i>Evolvulus alsinoides</i> (Tropical Speedwell)			
176.	11200 <i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>			
177.	6631 <i>Ipomoea lonchophylla</i> (Cowvine)			
178.	6633 <i>Ipomoea muelleri</i> (Poison Morning Glory, Yumbu)			
179.	6636 <i>Ipomoea plebeia</i> (Bellvine)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
180.	6651 <i>Operculina aequisepala</i>			
181.	6653 <i>Polymeria ambigua</i> (Morning Glory)			
182.	17513 <i>Polymeria lanata</i>			
183.	<i>Polymeria</i> sp.			
Cucurbitaceae				
184.	33030 <i>Austrobryonia pilbarensis</i>			
185.	41721 <i>Cucumis variabilis</i>			
Cyperaceae				
186.	750 <i>Bulbostylis barbata</i>			
187.	752 <i>Bulbostylis turbinata</i>			
188.	777 <i>Cyperus bulbosus</i> (Bush Onion, Tjanmata)			
189.	12811 <i>Cyperus cunninghamii</i> subsp. <i>cunninghamii</i>			
190.	798 <i>Cyperus iria</i>			
191.	799 <i>Cyperus ixiocarpus</i>			
192.	814 <i>Cyperus squarrosus</i>			
193.	818 <i>Cyperus vaginatus</i> (Stiffleaf Sedge)			
194.	827 <i>Eleocharis geniculata</i>			
195.	842 <i>Fimbristylis cardiocarpa</i>			
196.	851 <i>Fimbristylis dichotoma</i> (Eight Day Grass)			
197.	862 <i>Fimbristylis microcarya</i>			
198.	882 <i>Fimbristylis sieberiana</i>		P3	
199.	12159 <i>Fimbristylis simulans</i>			
200.	<i>Fimbristylis</i> sp.			
201.	48362 <i>Schoenoplectiella laevis</i>			
202.	16257 <i>Schoenoplectus subulatus</i>			
Dilleniaceae				
203.	5128 <i>Hibbertia glaberrima</i>			
Ditrichaceae				
204.	32348 <i>Eccremidium arcuatum</i>			
Elatinaceae				
205.	5184 <i>Bergia pedicellaris</i>			
Euphorbiaceae				
206.	17454 <i>Adriana tomentosa</i> var. <i>hookeri</i>			
207.	17422 <i>Adriana tomentosa</i> var. <i>tomentosa</i>			
208.	4617 <i>Euphorbia australis</i> (Namana)			
209.	42844 <i>Euphorbia australis</i> var. <i>hispidula</i>			
210.	35303 <i>Euphorbia australis</i> var. <i>subtomentosa</i>			
211.	4619 <i>Euphorbia biconvexa</i>			
212.	4620 <i>Euphorbia boophthona</i> (Gascoyne Spurge)			
213.	4623 <i>Euphorbia coghanii</i> (Namana)			
214.	12097 <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Desert Spurge)			
215.	42879 <i>Euphorbia trigonosperma</i>			
216.	13281 <i>Euphorbia vaccaria</i>			
217.	42877 <i>Euphorbia vaccaria</i> var. <i>erucoides</i>			
Fabaceae				
218.	11215 <i>Acacia adoxa</i> var. <i>adoxo</i>			
219.	44585 <i>Acacia adoxa</i> var. <i>adoxo</i> x <i>spondylophylla</i>			
220.	3205 <i>Acacia adsurgens</i>			
221.	3209 <i>Acacia ampliceps</i>			
222.	3214 <i>Acacia ancistrocarpa</i> (Fitzroy Wattle)			
223.	3217 <i>Acacia aneura</i> (Mulga, Wanari)			
224.	37260 <i>Acacia aptaneura</i>			
225.	3223 <i>Acacia arida</i>			
226.	3228 <i>Acacia atkinsiana</i>			
227.	3232 <i>Acacia ayersiana</i>			
228.	3241 <i>Acacia bivenosa</i>			
229.	29571 <i>Acacia bromilowiana</i>		P4	
230.	19571 <i>Acacia catenulata</i>			
231.	23524 <i>Acacia catenulata</i> subsp. <i>occidentalis</i>			
232.	3260 <i>Acacia citrinoviridis</i>			
233.	17013 <i>Acacia colei</i> var. <i>colei</i>			
234.	17014 <i>Acacia colei</i> var. <i>ileocarpa</i>			
235.	3270 <i>Acacia coriacea</i> (Wirewood)			
236.	13502 <i>Acacia coriacea</i> subsp. <i>pendens</i>			
237.	3300 <i>Acacia dictyophleba</i> (Sandhill Wattle, Ngarkalya)			
238.	3305 <i>Acacia distans</i>			
239.	16174 <i>Acacia elachantha</i>			

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240.	36781 <i>Acacia fusca</i>			
241.	3360 <i>Acacia hamersleyensis</i>			
242.	3370 <i>Acacia hilliana</i>			
243.	3377 <i>Acacia inaequilatera (Baderi)</i>			
244.	36418 <i>Acacia incurvaneura</i>			
245.	37240 <i>Acacia macraneura</i>			
246.	3434 <i>Acacia maitlandii (Maitland's Wattle)</i>			
247.	3435 <i>Acacia marramamba</i>			
248.	13503 <i>Acacia masliniana</i>			
249.	3447 <i>Acacia monticola (Gawar, Lilwardi)</i>			
250.	36416 <i>Acacia mulganeura</i>			
251.	3475 <i>Acacia pachyacra</i>			
252.	15724 <i>Acacia paraneura</i>			
253.	3500 <i>Acacia pruinocarpa (Gidgee)</i>			
254.	36800 <i>Acacia pteraneura</i>			
255.	3501 <i>Acacia tychophylla</i>			
256.	3506 <i>Acacia pyrifolia (Ranji Bush, Kandji)</i>			
257.	29016 <i>Acacia pyrifolia var. morrisonii</i>			
258.	29015 <i>Acacia pyrifolia var. pyrifolia</i>			
259.	3519 <i>Acacia rhodophloia</i>			
260.	44584 <i>Acacia rhodophloia x sibirica</i>			
261.	13078 <i>Acacia sclerosperma subsp. sclerosperma</i>			
262.	3544 <i>Acacia sibilans</i>			
263.	8949 <i>Acacia sibirica (Bastard Mulga)</i>			
264.	3553 <i>Acacia spondylophylla</i>			
265.	23529 <i>Acacia subcontorta</i>			
266.	23528 <i>Acacia subtiliformis</i>		P3	
267.	13070 <i>Acacia synchronica</i>			
268.	3573 <i>Acacia tenuissima</i>			
269.	3577 <i>Acacia tetragonophylla (Kurara, Wakalpuka)</i>			
270.	3585 <i>Acacia tumida (Pindan Wattle, Walgali)</i>			
271.	20319 <i>Acacia tumida var. pilbarensis</i>			
272.	3598 <i>Acacia wanyu</i>			
273.	3603 <i>Acacia wiseana</i>			
274.	3783 <i>Crotalaria medicaginea</i>			
275.	20179 <i>Crotalaria medicaginea var. neglecta</i>			
276.	3785 <i>Crotalaria novae-hollandiae (New Holland Rattlepod)</i>			
277.	11231 <i>Crotalaria novae-hollandiae subsp. novae-hollandiae</i>			
278.	17117 <i>Cullen cinereum</i>			
279.	17436 <i>Cullen graveolens</i>			
280.	17118 <i>Cullen leucanthum</i>			
281.	17119 <i>Cullen leucochaites</i>			
282.	17116 <i>Cullen martinii</i>			
283.	17120 <i>Cullen pogonocarpum</i>			
284.	3852 <i>Desmodium campylocaulon</i>			
285.	3853 <i>Desmodium filliforme</i>			
286.	3903 <i>Gastrolobium grandiflorum (Wallflower Poison)</i>			
287.	3938 <i>Glycine canescens (Silky Glycine)</i>			
288.	41245 <i>Gompholobium oreophilum</i>			
289.	10995 <i>Gompholobium polyzygum</i>			
290.	3973 <i>Indigofera colutea (Sticky Indigo)</i>			
291.	45473 <i>Indigofera fractiflexa subsp. fractiflexa</i>			
292.	3974 <i>Indigofera georgei (Bovine Indigo)</i>			
293.	17716 <i>Indigofera gilesii</i>		P3	
294.	3978 <i>Indigofera hirsuta (Hairy Indigo)</i>			
295.	3980 <i>Indigofera linifolia</i>			
296.	3982 <i>Indigofera monophylla</i>			
297.	3985 <i>Indigofera rugosa</i>			
298.	3987 <i>Indigofera trita</i>			
299.	3989 <i>Isotropis atropurpurea (Poison Sage)</i>			
300.	17790 <i>Isotropis parviflora</i>		P2	
301.	48615 <i>Isotropis sp. Arid zone (G. Byrne 2775)</i>			
302.	4043 <i>Kennedia prorepens</i>			
303.	4061 <i>Lotus cruentus (Redflower Lotus)</i>			
304.	4105 <i>Mirbelia viminalis</i>			
305.	3675 <i>Petalostylis labicheoides (Slender Petalostylis)</i>			
306.	4190 <i>Rhynchosia australis (Rhynchosia)</i>			
307.	4191 <i>Rhynchosia minima (Rhynchosia)</i>			
308.	17645 <i>Senna artemisioides</i>			
309.	12279 <i>Senna artemisioides subsp. helmsii</i>			

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310.	12280 <i>Senna artemisioides</i> subsp. <i>oligophylla</i>			
311.	17558 <i>Senna artemisioides</i> subsp. <i>x artemisioides</i>			
312.	12283 <i>Senna artemisioides</i> subsp. <i>x sturtii</i>			
313.	18443 <i>Senna ferraria</i>			
314.	18449 <i>Senna glaucifolia</i>			
315.	12305 <i>Senna glutinosa</i> subsp. <i>chatelainiana</i>			
316.	12307 <i>Senna glutinosa</i> subsp. <i>glutinosa</i>			
317.	12309 <i>Senna glutinosa</i> subsp. <i>pruinosa</i>			
318.	12308 <i>Senna glutinosa</i> subsp. <i>x luerssenii</i>			
319.	18451 <i>Senna hamersleyensis</i>			
320.	12312 <i>Senna notabilis</i>			
321.	12315 <i>Senna pleurocarpa</i> var. <i>angustifolia</i>			
322.	19347 <i>Senna sericea</i>			
323.	14577 <i>Senna</i> sp. <i>Meekatharra</i> (E. Bailey 1-26)			
324.	18445 <i>Senna stricta</i>			
325.	12319 <i>Senna venusta</i>			
326.	4196 <i>Sesbania cannabina</i> (<i>Sesbania</i> Pea)			
327.	4220 <i>Swainsona canescens</i> (<i>Grey Swainsona</i>)			
328.	4223 <i>Swainsona decurrens</i>			
329.	13595 <i>Swainsona elegantoides</i>			
330.	12356 <i>Swainsona formosa</i>			
331.	4231 <i>Swainsona kingii</i>			
332.	4233 <i>Swainsona leeana</i>			
333.	4234 <i>Swainsona maccullochiana</i> (<i>Ashburton Pea</i>)			
334.	13585 <i>Swainsona tenuis</i>			
335.	4252 <i>Templetonia egena</i> (<i>Round Templetonia</i>)			
336.	49016 <i>Tephrosia densa</i>			
337.	41986 <i>Tephrosia oxalidea</i>			
338.	41825 <i>Tephrosia rosea</i> var. <i>Fortescue creeks</i> (M.I.H. Brooker 2186)			
339.	17768 <i>Tephrosia</i> sp. <i>Bungaroo Creek</i> (M.E. Trudgen 11601)			
340.	42442 <i>Tephrosia</i> sp. <i>NW Eremaean</i> (S. van Leeuwen et al. PBS 0356)			
341.	42225 <i>Tephrosia</i> sp. <i>Newman</i> (A.A. Mitchell PRP 29)			
342.	4285 <i>Tephrosia supina</i>			
343.	4316 <i>Trigonella suavissima</i> (<i>Sweet Fenugreek</i>)			
344.	30716 <i>Vachellia farnesiana</i> (<i>Mimosa Bush</i>)	Y		
345.	4323 <i>Vigna lanceolata</i> (<i>Maloga Vigna, Wega</i>)			
346.	11576 <i>Vigna lanceolata</i> var. <i>lanceolata</i>			
347.	31391 <i>Vigna</i> sp. <i>Hamersley Clay</i> (A.A. Mitchell PRP 113)			
Funariaceae				
348.	32356 <i>Entosthodon subnudus</i>			
Gentianaceae				
349.	41660 <i>Schenkia australis</i>			
Goodeniaceae				
350.	7413 <i>Brunonia australis</i> (<i>Native Cornflower</i>)			
351.	15885 <i>Brunonia australis</i> var. <i>A Kimberley Flora</i> (K.F. Kenneally 5452)			
352.	19070 <i>Brunonia</i> sp. <i>Long hairs</i> (D.E. Symon 2440)			
353.	7424 <i>Dampiera candidans</i>			
354.	20378 <i>Dampiera metallorum</i>		P3	
355.	12517 <i>Goodenia cusackiana</i>			
356.	7509 <i>Goodenia forrestii</i>			
357.	7515 <i>Goodenia heterochila</i>			
358.	7521 <i>Goodenia lamprosperma</i>			
359.	7526 <i>Goodenia microptera</i>			
360.	12552 <i>Goodenia muelleriana</i>			
361.	7530 <i>Goodenia nuda</i>		P4	
362.	12571 <i>Goodenia pascua</i>			
363.	12574 <i>Goodenia prostrata</i>			
364.	7545 <i>Goodenia scaevolina</i> (<i>Ngurubi</i>)			
365.	29381 <i>Goodenia</i> sp. <i>East Pilbara</i> (A.A. Mitchell PRP 727) (<i>O'Meara's Goodenia</i>)		P3	
366.	7550 <i>Goodenia stellata</i>			
367.	10982 <i>Goodenia stobbsiana</i>			
368.	7557 <i>Goodenia trichophylla</i>			
369.	7558 <i>Goodenia triodiophylla</i>			
370.	7560 <i>Goodenia vilmoriniae</i>			
371.	12578 <i>Scaevola acacioides</i>			
372.	12723 <i>Scaevola amblyanthera</i>			
373.	13179 <i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>			
374.	13178 <i>Scaevola amblyanthera</i> var. <i>centralis</i>			
375.	12579 <i>Scaevola browniana</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
376.	13150	<i>Scaevola browniana</i> subsp. <i>browniana</i>		
377.	13172	<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>		
378.	25786	<i>Scaevola</i> sp. <i>Mt Nameless</i> (P.A.S. Wurm 1443)		
379.	7654	<i>Velleia connata</i> (Cup <i>Velleia</i>)		
Gyrostemonaceae				
380.	2778	<i>Codonocarpus cotinifolius</i> (Native Poplar, Kundurangu)		
Haloragaceae				
381.	6174	<i>Haloragis gossei</i>		
382.	23465	<i>Haloragis gossei</i> var. <i>gossei</i>		
383.	20669	<i>Haloragis maierae</i>		
Hemerocallidaceae				
384.	29483	<i>Tricoryne</i> sp. <i>Hammersley Range</i> (S. van Leeuwen 915)		
Lamiaceae				
385.	13692	<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>		
386.	13689	<i>Clerodendrum tomentosum</i> var. <i>lanceolatum</i>		
387.	6754	<i>Dicrastylis cordifolia</i>		
388.	20252	<i>Newcastelia</i> sp. <i>Hammersley Range</i> (S. van Leeuwen 4264)		
389.	35276	<i>Plectranthus scutellarioides</i>		
390.	12707	<i>Prostanthera albiflora</i>		
Lauraceae				
391.	2950	<i>Cassytha filiformis</i> (Love Vine, Jirawan)		
Loranthaceae				
392.	13700	<i>Amyema bifurcata</i>		
393.	2372	<i>Amyema fitzgeraldii</i> (Pincushion Mistletoe)		
394.	11614	<i>Amyema gibberula</i> var. <i>gibberula</i>		
395.	2374	<i>Amyema hilliana</i>		
396.	2380	<i>Amyema miquelii</i> (Stalked Mistletoe)		
397.	2383	<i>Amyema preissii</i> (Wireleaf Mistletoe)		
398.	29080	<i>Amyema sanguinea</i> var. <i>pulchra</i>		
399.	11874	<i>Amyema sanguinea</i> var. <i>sanguinea</i>		
400.	2395	<i>Diplatia grandibractea</i>		
401.	2396	<i>Lysiana casuarinae</i>		
402.	2398	<i>Lysiana murrayi</i> (Mistletoe, Parka-Parka)		
Lythraceae				
403.	5277	<i>Ammannia baccifera</i>		
404.	5278	<i>Ammannia multiflora</i>		
Malvaceae				
405.	4886	<i>Abutilon amplum</i>		
406.	4889	<i>Abutilon cryptopetalum</i>		
407.	9080	<i>Abutilon cunninghamii</i>		
408.	4891	<i>Abutilon fraseri</i> (Lantern Bush)		
409.	4895	<i>Abutilon lepidum</i>		
410.	4898	<i>Abutilon macrum</i>		
411.	4901	<i>Abutilon otocarpum</i> (Desert Chinese Lantern)		
412.		<i>Abutilon</i> sp.		
413.	42920	<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)		
414.	14113	<i>Abutilon</i> sp. <i>Pilbara</i> (W.R. Barker 2025)		
415.	40917	<i>Androcalva loxophylla</i>		
416.	40910	<i>Androcalva luteiflora</i> (Yellow-flowered Rulingia)		
417.	12716	<i>Brachychiton acuminatus</i>		
418.	13560	<i>Corchorus crozophorifolius</i>		
419.	13659	<i>Corchorus laniflorus</i>		
420.	18408	<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>		
421.		<i>Corchorus</i> sp.		
422.	4865	<i>Corchorus tridens</i>		
423.	4910	<i>Gossypium australe</i> (Native Cotton)		
424.	4918	<i>Gossypium robinsonii</i> (Wild Cotton)		
425.	4919	<i>Gossypium sturtianum</i> (Sturt's Desert Rose)		
426.	11559	<i>Gossypium sturtianum</i> var. <i>sturtianum</i>		
427.	17722	<i>Hannafordia bissillii</i> subsp. <i>bissillii</i>		
428.	4923	<i>Hibiscus brachysiphonius</i>		
429.	4924	<i>Hibiscus burtonii</i>		
430.	4925	<i>Hibiscus coatesii</i>		
431.	4930	<i>Hibiscus goldsworthii</i>		
432.	4933	<i>Hibiscus leptocladus</i>		
433.	40560	<i>Hibiscus</i> sp. <i>Gurinbiddy Range</i> (M.E. Trudgen MET 15708)		

P2

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
434.	40640 <i>Hibiscus</i> sp. Mt Robinson (G. Byrne 3537)			
435.	4942 <i>Hibiscus sturtii</i> (Sturt's Hibiscus)			
436.	11651 <i>Hibiscus sturtii</i> var. <i>campylochlamys</i>			
437.	11477 <i>Hibiscus sturtii</i> var. <i>platychlamys</i>			
438.	11893 <i>Hibiscus sturtii</i> var. <i>truncatus</i>			
439.	4962 <i>Malvastrum americanum</i> (Spiked Malvastrum)	Y		
440.	5051 <i>Melhania oblongifolia</i>			
441.	46816 <i>Seringia elliptica</i> (Showy fire-bush)			
442.	46821 <i>Seringia nephrosperma</i> (Free carpel fire-bush)			
443.	4966 <i>Sida arenicola</i>			
444.	4970 <i>Sida calyxhymenia</i> (Tall Sida)			
445.	4971 <i>Sida cardiophylla</i>			
446.	4976 <i>Sida echinocarpa</i>			
447.	4977 <i>Sida fibulifera</i> (Silver Sida)			
448.	4986 <i>Sida platycalyx</i> (Lifesaver Burr)			
449.	4988 <i>Sida rohlenae</i>			
450.	18149 <i>Sida rohlenae</i> subsp. <i>rohlenae</i>			
451.	16616 <i>Sida</i> sp. Barlee Range (S. van Leeuwen 1642)		P3	
452.	31854 <i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)			
453.	48867 <i>Sida</i> sp. L (A.M. Ashby 4202)			
454.	33698 <i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)			
455.	20253 <i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)			
456.	19712 <i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)			
457.	16617 <i>Sida</i> sp. <i>spiciform panicles</i> (E. Leyland s.n. 14/8/90)			
458.	18144 <i>Sida</i> sp. <i>tiny glabrous fruit</i> (A.A. Mitchell PRP1152)			
459.	16923 <i>Sida trichopoda</i>			
460.	4879 <i>Triumfetta leptacantha</i>			
461.	14942 <i>Triumfetta maconochieana</i>			
462.	5106 <i>Waltheria indica</i>			
463.	5107 <i>Waltheria virgata</i>			

Marsileaceae

464.	74 <i>Marsilea drummondii</i> (Common Nardoo)			
465.	75 <i>Marsilea exarata</i>			
466.	76 <i>Marsilea hirsuta</i> (Nardoo)			

Molluginaceae

467.	48201 <i>Trigastrotheca molluginea</i>			
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Montiaceae

468.	2864 <i>Calandrinia ptychosperma</i>			
469.	2865 <i>Calandrinia pumila</i>			
470.	2868 <i>Calandrinia reticulata</i>			
471.	2869 <i>Calandrinia schistorhiza</i>			
472.	2870 <i>Calandrinia stagnensis</i>			

Moraceae

473.	19648 <i>Ficus brachypoda</i>			
474.	1753 <i>Ficus platypoda</i> (Native Fig, Makartu)			

Myrtaceae

475.	5446 <i>Calytrix carinata</i>			
476.	16783 <i>Corymbia candida</i>			
477.	17082 <i>Corymbia deserticola</i>			
478.	17083 <i>Corymbia deserticola</i> subsp. <i>deserticola</i>			
479.	17077 <i>Corymbia ferriticola</i>			
480.	17093 <i>Corymbia hamersleyana</i>			
481.	17092 <i>Corymbia opaca</i>			
482.	5580 <i>Eucalyptus camaldulensis</i> (River Gum, Yabalinyba)			
483.	35345 <i>Eucalyptus camaldulensis</i> subsp. <i>obtusa</i> (Blunt-budded River Red Gum)			
484.	35343 <i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i>			
485.	5641 <i>Eucalyptus ewartiana</i> (Ewart's Mallee)			
486.	5655 <i>Eucalyptus gamophylla</i> (Twin-leaf Mallee, Warilu)			
487.	5684 <i>Eucalyptus kingsmillii</i> (Kingsmill's Mallee)			
488.	5698 <i>Eucalyptus leucophloia</i> (Snappy Gum, Migum)			
489.	18088 <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>			
490.	5744 <i>Eucalyptus pilbarensis</i>			
491.	18058 <i>Eucalyptus repullulans</i>			
492.	5773 <i>Eucalyptus socialis</i> (Red Mallee, Altarpa)			
493.	19576 <i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>			
494.	29733 <i>Eucalyptus trivalva</i> (Victoria Spring Mallee)			
495.	14548 <i>Eucalyptus victrix</i>			
496.	15592 <i>Eucalyptus xerothermica</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
497.	5846 <i>Lamarchea sulcata</i>			
498.	5875 <i>Melaleuca argentea</i> (Silver Cadjeput, Bandaran)			
499.	5879 <i>Melaleuca bracteata</i> (River Teatree)			
500.	5908 <i>Melaleuca eleuterostachya</i>			
501.	5915 <i>Melaleuca glomerata</i>			
Nyctaginaceae				
502.	2770 <i>Boerhavia coccinea</i> (Tar Vine, Wituka)			
503.	2772 <i>Boerhavia gardneri</i>			
Oleaceae				
504.	6501 <i>Jasminum didymum</i>			
505.	12059 <i>Jasminum didymum</i> subsp. <i>lineare</i> (Desert Jasmine)			
Ophioglossaceae				
506.	17 <i>Ophioglossum lusitanicum</i> (Adders Tongue)			
Orobanchaceae				
507.	12492 <i>Striga squamigera</i>			
Oxalidaceae				
508.	30374 <i>Oxalis</i> sp. <i>Pilbara</i> (M.E. Trudgen 12725)		P2	
Papaveraceae				
509.	2961 <i>Argemone ochroleuca</i> (Mexican Poppy)	Y		
Phrymaceae				
510.	7060 <i>Glossostigma diandrum</i>			
511.	7082 <i>Mimulus gracilis</i>			
Phyllanthaceae				
512.	38423 <i>Notoleptopus decaisnei</i> var. <i>orbicularis</i> (A.B. Craig 428)			
513.	9056 <i>Phyllanthus baccatus</i>			
514.	4680 <i>Phyllanthus maderaspatensis</i>			
515.	48206 <i>Synostemon rhytidospemus</i>			
Plantaginaceae				
516.	12488 <i>Stemodia glabella</i>			
517.	7098 <i>Stemodia grossa</i> (Marsh Stemodia, Mindjaara)			
Plumbaginaceae				
518.	6491 <i>Plumbago zeylanica</i> (Native Plumbago)			
Poaceae				
519.	172 <i>Acrachne racemosa</i>			
520.	196 <i>Amphipogon caricinus</i> (Long Greybeard Grass)			
521.	19835 <i>Amphipogon sericeus</i>			
522.	204 <i>Aristida burbridgeae</i>			
523.	207 <i>Aristida contorta</i> (Bunched Kerosene Grass)			
524.	12063 <i>Aristida holathera</i> var. <i>holathera</i>			
525.	212 <i>Aristida inaequiglumis</i> (Feathertop Threewawn)			
526.	17918 <i>Aristida jerichoensis</i> var. <i>subspinulifera</i>		P3	
527.	215 <i>Aristida latifolia</i> (Feathertop Wiregrass)			
528.	216 <i>Aristida lazaridis</i>		P2	
529.	217 <i>Aristida nitidula</i> (Flat-awned Threewawn)			
530.	218 <i>Aristida obscura</i> (Brush Threewawn)			
531.	<i>Aristida</i> sp.			
532.	227 <i>Astrebula elymoides</i> (Weeping Mitchell Grass)			
533.	229 <i>Astrebula pectinata</i> (Barley Mitchell Grass)			
534.	17246 <i>Austrostipa nitida</i>			
535.	240 <i>Bothriochloa ewartiana</i> (Desert Bluegrass)			
536.	258 <i>Cenchrus ciliaris</i> (Buffel Grass)	Y		
537.	29721 <i>Cenchrus setiger</i> (Birdwood Grass)	Y		
538.	269 <i>Chloris pectinata</i> (Comb Chloris)			
539.	272 <i>Chloris virgata</i> (Feathertop Rhodes Grass)	Y		
540.	273 <i>Chrysopogon fallax</i> (Golden Beard Grass)			
541.	279 <i>Cymbopogon ambiguus</i> (Scentgrass)			
542.	281 <i>Cymbopogon obtectus</i> (Silkyheads)			
543.	282 <i>Cymbopogon procerus</i> (Lemon Grass)			
544.	46558 <i>Cynodon convergens</i>			
545.	290 <i>Dactyloctenium radulans</i> (Button Grass)			
546.	13741 <i>Dichanthium sericeum</i> subsp. <i>humilius</i>			
547.	308 <i>Digitaria ammophila</i> (Silky Umbrella Grass)			
548.	310 <i>Digitaria brownii</i> (Cotton Panic Grass)			
549.	313 <i>Digitaria ctenantha</i> (Comb Finger Grass)			
550.	355 <i>Elytrophorus spicatus</i> (Spikegrass)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
551.	357 <i>Enneapogon caeruleus</i> (Limestone Grass)			
552.	360 <i>Enneapogon lindleyanus</i> (Wiry Nineawn, Purple-head Nineawn)			
553.	365 <i>Enneapogon polyphyllus</i> (Leafy Nineawn)			
554.	20377 <i>Enneapogon robustissimus</i>			
555.	368 <i>Enteropogon ramosus</i> (Windmill Grass, Curly Windmill Grass)			
556.	375 <i>Eragrostis cumingii</i> (Cuming's Love Grass)			
557.	380 <i>Eragrostis eriopoda</i> (Woollybutt Grass, Wangumu)			
558.	381 <i>Eragrostis falcata</i> (Sickle Lovegrass)			
559.	392 <i>Eragrostis pergracilis</i>			
560.	393 <i>Eragrostis setifolia</i> (Neverfail Grass)			
561.	398 <i>Eragrostis tenellula</i> (Delicate Lovegrass)			
562.	399 <i>Eragrostis xerophila</i> (Knotty-butt Neverfail)			
563.	400 <i>Eriachne aristidea</i>			
564.	403 <i>Eriachne benthamii</i> (Swamp Wanderrie)			
565.	408 <i>Eriachne flaccida</i> (Claypan Grass)			
566.	411 <i>Eriachne helmsii</i> (Buck Wanderrie Grass)			
567.	13660 <i>Eriachne lanata</i>			
568.	413 <i>Eriachne mucronata</i> (Mountain Wanderrie Grass)			
569.	417 <i>Eriachne pulchella</i> (Pretty Wanderrie)			
570.	16485 <i>Eriachne pulchella</i> subsp. <i>dominii</i>			
571.	16486 <i>Eriachne pulchella</i> subsp. <i>pulchella</i>			
572.	421 <i>Eriachne tenuiculmis</i>			
573.	11011 <i>Eulalia aurea</i>			
574.	12663 <i>Ischaemum albavillosum</i>			
575.	458 <i>Iseilema dolichotrichum</i>			
576.	471 <i>Leptochloa digitata</i> (Whorled Cane Grass)			
577.	14985 <i>Melinis repens</i>	Y		
578.	503 <i>Panicum decompositum</i> (Native Millet, Kaltu-kaltu)			
579.	504 <i>Panicum effusum</i> (Hairy Panic Grass)			
580.	505 <i>Panicum laevinode</i>			
581.	515 <i>Paraneurachne muelleri</i> (Northern Mulga Grass)			
582.	10975 <i>Paspalidium basicladum</i>			
583.	518 <i>Paspalidium clementii</i> (Clements Paspalidium)			
584.	521 <i>Paspalidium gracile</i> (Slender Panic)			
585.	523 <i>Paspalidium rarum</i> (Rare Paspalidium)			
586.	546 <i>Perotis rara</i> (Comet Grass)			
587.	599 <i>Schizachyrium fragile</i> (Senale Redgrass)			
588.	606 <i>Setaria dielsii</i> (Diels' Pigeon Grass)			
589.	612 <i>Setaria surgens</i> (Pigeon Grass)			
590.	613 <i>Setaria verticillata</i> (Whorled Pigeon Grass)	Y		
591.	619 <i>Sorghum plumosum</i> (Plume Canegrass)			
592.	12919 <i>Sorghum plumosum</i> var. <i>plumosum</i>			
593.	629 <i>Sporobolus australasicus</i> (Fairy Grass)			
594.	17820 <i>Themeda</i> sp. <i>Hammersley Station</i> (M.E. Trudgen 11431)		P3	
595.	17819 <i>Themeda</i> sp. <i>Mt Barricade</i> (M.E. Trudgen 2471)			
596.	673 <i>Themeda triandra</i>			
597.	674 <i>Thyridolepis mitchelliana</i> (Mulga Grass)			
598.	676 <i>Thyridolepis xerophila</i>			
599.	678 <i>Tragus australianus</i> (Small Burrgrass)			
600.	679 <i>Triodia angusta</i>			
601.	17886 <i>Triodia biflora</i>			
602.	681 <i>Triodia brizoides</i>			
603.	690 <i>Triodia longiceps</i> (Giant Grey Spinifex)			
604.	17877 <i>Triodia melvillei</i>			
605.	696 <i>Triodia pungens</i> (Soft Spinifex)			
606.	17873 <i>Triodia schinzii</i>			
607.	19534 <i>Triodia</i> sp. <i>Mt Ella</i> (M.E. Trudgen 12739)		P3	
608.	48463 <i>Triodia vanleeuwenii</i>			
609.	704 <i>Triodia wiseana</i> (Limestone Spinifex)			
610.	706 <i>Triraphis mollis</i> (Needle Grass)			
611.	717 <i>Urochloa piligera</i>			
612.	732 <i>Yakira australiensis</i>			

Polygalaceae

613.	41365 <i>Polygala glaucifolia</i>			
614.	4572 <i>Polygala isingii</i>			

Polygonaceae

615.	2443 <i>Rumex vesicarius</i> (Ruby Dock)	Y		
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Portulacaceae

616.	2879 <i>Portulaca cyclophylla</i>			
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Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
617.	2882 <i>Portulaca intraterranea</i>			
618.	2884 <i>Portulaca oleracea</i> (Purslane, Wakati)			
Primulaceae				
619.	14027 <i>Samolus</i> sp. Millstream (M.I.H. Brooker 2076)			
Proteaceae				
620.	2047 <i>Grevillea nematophylla</i>			
621.	2079 <i>Grevillea pyramidalis</i> (Caustic Bush, Tjungu)			
622.	19570 <i>Grevillea pyramidalis</i> subsp. <i>leucadendron</i>			
623.	44441 <i>Grevillea saxicola</i>		P3	
624.	2096 <i>Grevillea stenobotrya</i>			
625.	2099 <i>Grevillea striata</i> (Beefwood)			
626.	2121 <i>Grevillea wickhamii</i> (Wickham's Grevillea)			
627.	13440 <i>Grevillea wickhamii</i> subsp. <i>aprica</i>			
628.	19478 <i>Grevillea wickhamii</i> subsp. <i>hispidula</i>			
629.	2138 <i>Hakea chordophylla</i>			
630.	16921 <i>Hakea leucoptera</i> subsp. <i>sericipes</i>			
631.	2177 <i>Hakea lorea</i> (Witinti)			
632.	19137 <i>Hakea lorea</i> subsp. <i>lorea</i>			
Pteridaceae				
633.	31 <i>Cheilanthes austrotenuifolia</i>			
634.	33 <i>Cheilanthes contigua</i>			
635.	37 <i>Cheilanthes lasiophylla</i> (Woolly Cloak Fern)			
636.	41 <i>Cheilanthes sieberi</i> (Mulga Fern)			
637.	12815 <i>Cheilanthes sieberi</i> subsp. <i>pseudovellea</i>			
638.	12818 <i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>			
Rhamnaceae				
639.	16189 <i>Cryptandra monticola</i>			
Ricciaceae				
640.	<i>Riccia crinita</i>			
641.	<i>Riccia sorocarpa</i>			
642.	<i>Riccia spongiosula</i>			
Rubiaceae				
643.	7338 <i>Oldenlandia crouchiana</i>			
644.	18154 <i>Psydrax latifolia</i>			
645.	18210 <i>Psydrax rigidula</i>			
646.	18155 <i>Psydrax suaveolens</i>			
647.	13575 <i>Spermacoce brachystema</i>			
648.	7363 <i>Synaptantha tillaeacea</i>			
Santalaceae				
649.	2333 <i>Anthobolus leptomerioides</i>			
650.	10765 <i>Exocarpos sparteus</i> (Broom Ballart, Djuk)			
651.	2356 <i>Santalum acuminatum</i> (Quandong, Warnga)			
652.	2357 <i>Santalum lanceolatum</i> (Northern Sandalwood, Yarnguli)			
Sapindaceae				
653.	4739 <i>Alectryon oleifolius</i>			
654.	4740 <i>Atalaya hemiglaucula</i> (Whitewood)			
655.	4759 <i>Dodonaea coriacea</i>			
656.	4767 <i>Dodonaea lanceolata</i> (Pirrungu)			
657.	11406 <i>Dodonaea lanceolata</i> var. <i>lanceolata</i>			
658.	4772 <i>Dodonaea pachyneura</i>			
659.	4782 <i>Dodonaea viscosa</i> (Sticky Hopbush)			
660.	11202 <i>Dodonaea viscosa</i> subsp. <i>spatulata</i> (Sticky Hop-bush)			
Scrophulariaceae				
661.	14509 <i>Eremophila caespitosa</i>			
662.	15167 <i>Eremophila canaliculata</i>			
663.	7192 <i>Eremophila cuneifolia</i> (Pinyuru, T'ranju)			
664.	7205 <i>Eremophila exilifolia</i>			
665.	17153 <i>Eremophila flaccida</i> subsp. <i>flaccida</i>			
666.	7208 <i>Eremophila forrestii</i> (Wilcox Bush)			
667.	15052 <i>Eremophila forrestii</i> subsp. <i>forrestii</i>			
668.	7209 <i>Eremophila fraseri</i> (Burra)			
669.	16696 <i>Eremophila fraseri</i> subsp. <i>fraseri</i>			
670.	29532 <i>Eremophila galeata</i>			
671.	17518 <i>Eremophila jucunda</i>			
672.	17519 <i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>			
673.	16940 <i>Eremophila lanceolata</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
674.	7230 <i>Eremophila latrobei</i> (Warty Fuchsia Bush, Mintjingka)			
675.	17597 <i>Eremophila latrobei</i> subsp. <i>filiformis</i>			
676.	17576 <i>Eremophila latrobei</i> subsp. <i>latrobei</i>			
677.	7234 <i>Eremophila longifolia</i> (Berrigan, Tulypurpa)			
678.	14893 <i>Eremophila magnifica</i> subsp. <i>magnifica</i>		P4	
679.	18570 <i>Eremophila oppositifolia</i> subsp. <i>angustifolia</i>			
680.	17283 <i>Eremophila phyllopoda</i> subsp. <i>obliqua</i>			
681.	48950 <i>Eremophila platycalyx</i> subsp. <i>Neds Creek (N.H. Speck 1228)</i>			
682.	15160 <i>Eremophila platycalyx</i> subsp. <i>pardalota</i>			
683.	15057 <i>Eremophila reticulata</i>			
684.	40643 <i>Eremophila</i> sp. <i>Hamersley Range (K. Walker KW 136)</i>		P3	
685.	20256 <i>Eremophila</i> sp. <i>West Angelas (S. van Leeuwen 4068)</i>		P1	
686.	17158 <i>Myoporum montanum</i> (Native Myrtle)			

Solanaceae

687.	47241 <i>Datura leichhardtii</i> subsp. <i>leichhardtii</i>	Y		
688.	6971 <i>Nicotiana benthamiana</i> (Tjuntiwari)			
689.	6976 <i>Nicotiana occidentalis</i> (Native Tobacco)			
690.	11331 <i>Nicotiana occidentalis</i> subsp. <i>obliqua</i>			
691.	6977 <i>Nicotiana rosulata</i> (Rosetted Tobacco)			
692.	11410 <i>Nicotiana rosulata</i> subsp. <i>ingulba</i>			
693.	11734 <i>Nicotiana rosulata</i> subsp. <i>rosulata</i>			
694.	6995 <i>Solanum centrale</i> (Desert Raisin, Kampurarpa)			
695.	6997 <i>Solanum chippendalei</i>			
696.	6998 <i>Solanum cleistogamum</i>			
697.	42544 <i>Solanum elatius</i>			
698.	7008 <i>Solanum ferocissimum</i>			
699.	7009 <i>Solanum gabrielae</i>			
700.	7014 <i>Solanum horridum</i>			
701.	7016 <i>Solanum lasiophyllum</i>			
702.	7018 <i>Solanum lasiophyllum</i> (Flannel Bush, Mindjulu)			
703.	9258 <i>Solanum morrisonii</i>			
704.	7022 <i>Solanum nigrum</i> (Black Berry Nightshade)	Y		
705.	7026 <i>Solanum orbiculatum</i> (Wild Tomato)			
706.	7029 <i>Solanum phlomoides</i>			
707.	42546 <i>Solanum piceum</i>			
708.	7036 <i>Solanum sturtianum</i> (Thargomindah Nightshade)			

Stylidiaceae

709.	18123 <i>Stylidium weeliwoolli</i>		P3	
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Surianaceae

710.	3182 <i>Stylobasium spathulatum</i> (Pebble Bush)			
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Thymelaeaceae

711.	5245 <i>Pimelea forrestiana</i>			
712.	5250 <i>Pimelea holroydii</i>			

Typhaceae

713.	98 <i>Typha domingensis</i> (Bulrush, Djandjidi)			
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Violaceae

714.	5215 <i>Hybanthus aurantiacus</i>			
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Zygophyllaceae

715.	48889 <i>Roepera eichleri</i>			
716.	4374 <i>Tribulus astrocarpus</i>			
717.	4377 <i>Tribulus hirsutus</i>			
718.	4379 <i>Tribulus macrocarpus</i>			
719.	18072 <i>Tribulus suberosus</i>			
720.	4383 <i>Tribulus terrestris</i> (Caltrop)	Y		

Conservation Codes

T - Rare or likely to become extinct
X - Presumed extinct
IA - Protected under international agreement
S - Other specially protected fauna
1 - Priority 1
2 - Priority 2
3 - Priority 3
4 - Priority 4
5 - Priority 5

¹ For NatureMap's purposes, species flagged as endemic are those whose records are wholly contained within the search area. Note that only those records complying with the search criterion are included in the calculation. For example, if you limit records to those from a specific datasource, only records from that datasource are used to determine if a species is restricted to the query area.

NatureMap Species Report

Created By Guest user on 26/10/2021

Kingdom Animalia
Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 119° 19' 46" E, 23° 08' 54" S
Buffer 40km
Group By Family

Family	Species	Records
Acanthizidae	11	963
Accipitridae	13	135
Actinopodidae	2	9
Aegothelidae	1	32
Aeolosomatidae	2	5
Aeshnidae	1	3
Agamidae	13	408
Alaudidae	1	2
Ameiridae	3	5
Amphipoda	1	1
Anatidae	5	10
Anhingidae	1	5
Apodidae	1	2
Araneidae	1	2
Arcellidae	1	2
Ardeidae	5	21
Armadillidae	1	9
Arrenuridae	2	2
Artamidae	5	235
Asplanchnidae	1	1
Aturidae	3	4
Baetidae	4	22
Bdelloidea	1	5
Belostomatidae	2	4
Boidae	5	38
Bovidae	1	26
Brachionidae	8	13
Burhinidae	1	3
Buthidae	2	7
Cacatuidae	1	9
Caenidae	2	21
Camelidae	1	14
Campephagidae	4	257
Candonidae	9	18
Canthocamptidae	1	1
Caprimulgidae	1	31
Carabidae	17	37
Carpodactylidae	2	18
Casuariidae	1	9
Centropagidae	2	3
Centropodidae	1	2
Ceratopogonidae	13	34
Charadriidae	3	11
Cheluidae	1	7
Chironomidae	35	95
Chthoniidae	1	57
Chydoridae	6	13
Cinclosomatidae	2	5
Coenagrionidae	5	17
Columbidae	7	661
Copepoda	1	1
Corduliidae	3	3
Corixidae	6	8
Corvidae	3	158
Cracticidae	5	343
Cuculidae	2	61
Culicidae	5	10
Cyclopidae	17	128
Cypridae	11	14
Cyzicidae	1	1
Daphniidae	1	2
Darwinulidae	1	4
Dasyuridae	11	236
Diaptomidae	1	3
Diatom Family	46	54
Dicaeidae	1	39
Dicruridae	5	458
Diffugiidae	1	2
Diplodactylidae	15	458
Dolichopodidae	1	5
Dytiscidae	29	64
Ecnomidae	3	12
Elapidae	14	116
Elmidae	1	4
Emballonuridae	3	138

Empididae	1	1
Enchytraeidae	2	2
Ephydriidae	1	1
Epistylididae	1	2
Equidae	2	3
Estrilidae	4	1047
Euchlanidae	2	5
Euglyphidae	1	3
Falconidae	6	95
Felidae	1	23
Flosculariidae	2	2
Garypidae	1	1
Gastrotricha	1	1
Gekkonidae	9	255
Gelastocoridae	1	1
Gerridae	2	8
Glossiphoniidae	1	1
Gnaphosidae	1	1
Gomphidae	2	14
Gyrinidae	3	5
Halcyonidae	4	139
Haliplidae	1	1
Hebridae	1	1
Hexarthridae	3	3
Hipposideridae	2	13
Hirundinidae	3	26
Hydrachnidae	2	2
Hydraenidae	5	9
Hydridae	1	5
Hydrochidae	3	4
Hydrodromidae	1	6
Hydrophilidae	17	34
Hydropsychidae	2	10
Hydroptilidae	3	15
Hydryphantidae	2	2
Hygrobatidae	5	6
Hylidae	3	164
Idiopidae	1	1
Isostictidae	1	3
Ituridae	1	1
Lamponidae	4	7
Lecanidae	13	24
Lepadellidae	7	10
Leporidae	1	13
Leptoceridae	7	16
Lesquereusidae	1	3
Lestidae	1	2
Libellulidae	8	26
Limnadiidae	1	1
Limnesiidae	3	5
Limnichidae	2	2
Limnocharidae	1	3
Limnocytheridae	2	2
Limnodynastidae	1	1
Lindeniidae	1	4
Lycosidae	2	2
Lymnaeidae	2	7
Macropodidae	6	176
Macrotrichidae	1	1
Maluridae	8	304
Megadermatidae	1	51
Melanotaeniidae	1	116
Meliphagidae	13	750
Meropidae	1	111
Mesostigmata	1	1
Mesoveliidae	4	6
Mideopsidae	1	1
Moinidae	1	3
Molossidae	2	73
Momoniidae	1	2
Motacillidae	1	9
Muridae	9	605
Myobatrachidae	3	135
Mytilinidae	2	3
NO FAMILY	NO	14
Naididae	7	10
Nebelidae	1	1
Nematoda	6	15
Nemesiidae	1	87
Nepidae	1	3
Notommatidae	4	6
Notonectidae	3	3
Oligochaeta	1	5
Opiidae	1	158
Onopidae	3	6
Opisthopora	1	1
Oryidae	1	2
Ostracoda	1	5
Otididae	1	55
Oxidae	1	2
Pachycephalidae	6	769
Parabathynellidae	1	1
Paradoxosomatidae	1	2
Paramelitidae	5	20
Parastenocarididae	1	2
Pardalotidae	5	187
Pauropodidae	1	1
Petroicidae	2	70
Phalacrocoracidae	3	16
Phasianidae	1	12
Philodinidae	1	1
Philopotamidae	2	5
Pholcidae	1	1
Phreodrilidae	3	7
Pionidae	1	1

Planorbidae	2	8
Plotosidae	1	14
Podargidae	1	11
Podicipedidae	1	2
Polycentropodidae	1	2
Polyxenidae	1	1
Pomatostomidae	3	169
Pristinidae	2	2
Procellariidae	1	3
Prodidomidae	2	5
Protoneuridae	1	1
Psittacidae	14	1685
Psychodidae	1	1
Ptilonorhynchidae	3	61
Pygopodidae	8	87
Pyralidae	3	14
Rallidae	1	1
Recurvirostridae	1	1
Ridgewayiidae	1	1
Salticidae	3	7
Sarcoptiformes	2	6
Scarabaeidae	7	14
Scincidae	45	1419
Sciomyzidae	1	2
Scirtidae	2	10
Scolopendridae	7	78
Scutigerae	1	9
Sididae	2	2
Simuliidae	3	10
Sparassidae	1	1
Spongillidae	1	1
Staphylinidae	1	2
Stratiomyidae	1	9
Strigidae	2	16
Sylviidae	2	73
Synchaetidae	1	1
Synxenidae	1	1
Tabanidae	1	7
Tachyglossidae	1	1
Tainisopidae	2	3
Terapontidae	2	128
Testudinellidae	2	4
Thamnocephalidae	1	1
Theridiidae	1	1
Threskiornithidae	1	6
Thylacomyidae	1	3
Tipulidae	2	2
Trichocercidae	3	5
Trichotriidae	1	3
Trigoniulidae	1	45
Triopsidae	1	1
Trochanteridae	2	2
Trombidiformes	1	441
Turbellaria	1	2
Turnicidae	1	76
Typhlopidae	2	6
Tytonidae	1	2
Unionicolidae	1	2
Urodacidae	2	2
Varanidae	13	239
Velliidae	2	7
Vespertilionidae	6	298
Zodariidae	6	13
TOTAL	875	16505

Name ID	Species Name	Naturalised	Conservation Code	Endemic To Query Area
Acanthizidae				
1.	24260 <i>Acanthiza apicalis</i> (Broad-tailed Thornbill, Inland Thornbill)			
2.	24261 <i>Acanthiza chrysorrhoa</i> (Yellow-rumped Thornbill)			
3.	24264 <i>Acanthiza robustirostris</i> (Slaty-backed Thornbill)			
4.	<i>Acanthiza</i> sp.			
5.	24265 <i>Acanthiza uropygialis</i> (Chestnut-rumped Thornbill)			
6.	25528 <i>Aphelocephala leucopsis</i> (Southern Whiteface)			
7.	25530 <i>Gerygone fusca</i> (Western Gerygone)			
8.	24271 <i>Gerygone fusca</i> subsp. <i>fusca</i> (Western Gerygone)			
9.	47959 <i>Gerygone fusca</i> subsp. <i>mungi</i> (Desert Gerygone)			
10.	24278 <i>Pyrrholaemus brunneus</i> (Redthroat)			
11.	30948 <i>Smicromis brevirostris</i> (Weebill)			
Accipitridae				
12.	25535 <i>Accipiter cirrocephalus</i> (Collared Sparrowhawk)			
13.	24281 <i>Accipiter cirrocephalus</i> subsp. <i>cirrocephalus</i> (Collared Sparrowhawk)			
14.	25536 <i>Accipiter fasciatus</i> (Brown Goshawk)			
15.	24285 <i>Aquila audax</i> (Wedge-tailed Eagle)			
16.	24289 <i>Circus assimilis</i> (Spotted Harrier)			
17.	<i>Elanus axillaris</i>			
18.	25540 <i>Elanus caeruleus</i> (Black-shouldered Kite)			
19.	24295 <i>Haliastur sphenurus</i> (Whistling Kite)			
20.	24296 <i>Hamirostra isura</i> (Square-tailed Kite)			
21.	24297 <i>Hamirostra melanosternon</i> (Black-breasted Buzzard)			
22.	47965 <i>Hieraaetus morphnoides</i> (Little Eagle)			
23.	25542 <i>Milvus migrans</i> (Black Kite)			
24.	24298 <i>Milvus migrans</i> subsp. <i>affinis</i> (Black Kite)			
Actinopodidae				
25.	<i>Missulena faulderi</i>			Y
26.	<i>Missulena langlandsi</i>			Y
Aegothelidae				
27.	25544 <i>Aegotheles cristatus</i> (Australian Owlet-nightjar)			
Aeolosomatidae				
28.	<i>Aeolosoma</i> sp. 1 (PSS)			
29.	<i>Aeolosoma</i> sp. 3 (PSS)			
Aeshnidae				
30.	<i>Anax papuensis</i>			
Agamidae				
31.	30833 <i>Amphibolurus longirostris</i> (Long-nosed Dragon)			
32.	25458 <i>Ctenophorus caudicinctus</i> (Ring-tailed Dragon)			
33.	24865 <i>Ctenophorus caudicinctus</i> subsp. <i>caudicinctus</i> (Ring-tailed Dragon)			
34.	25459 <i>Ctenophorus isolepis</i> (Crested Dragon, Military Dragon)			
35.	24874 <i>Ctenophorus isolepis</i> subsp. <i>citrinus</i> (Yellowy Military Dragon)			
36.	24875 <i>Ctenophorus isolepis</i> subsp. <i>gularis</i> (Central Military Dragon)			
37.	24876 <i>Ctenophorus isolepis</i> subsp. <i>isolepis</i> (Crested Dragon, Military Dragon)			
38.	24882 <i>Ctenophorus nuchalis</i> (Central Netted Dragon)			
39.	24886 <i>Ctenophorus reticulatus</i> (Western Netted Dragon)			
40.	24899 <i>Diporiphora valens</i> (Southern Pilbara Tree Dragon)			
41.	25510 <i>Pogona minor</i> (Dwarf Bearded Dragon)			
42.	24907 <i>Pogona minor</i> subsp. <i>minor</i> (Dwarf Bearded Dragon)			
43.	30814 <i>Tympanocryptis cephalus</i> (Pebble Dragon)			
Alaudidae				
44.	25545 <i>Mirafra javanica</i> (Horsfield's Bushlark, Singing Bushlark)			
Ameiridae				
45.	<i>Ameiridae</i> sp.			
46.	<i>Inermipes</i> sp. 1 (PSS)			
47.	<i>Stygonitocrella bispinosa</i>			
Amphipoda				
48.	<i>Amphipoda</i> sp.			
Anatidae				
49.	24312 <i>Anas gracilis</i> (Grey Teal)			
50.	24316 <i>Anas superciliosa</i> (Pacific Black Duck)			
51.	24318 <i>Aythya australis</i> (Hardhead)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
52.	24321 <i>Chenonetta jubata</i> (Australian Wood Duck, Wood Duck)			
53.	24322 <i>Cygnus atratus</i> (Black Swan)			
Anhingidae				
54.	47414 <i>Anhinga novaehollandiae</i> (Australasian Darter)			
Apodidae				
55.	25554 <i>Apus pacificus</i> (Fork-tailed Swift, Pacific Swift)		IA	
Araneidae				
56.	<i>Nephila edulis</i>			
Arcellidae				
57.	<i>Arcella</i> sp.			
Ardeidae				
58.	41324 <i>Ardea modesta</i> (great egret, white egret)			
59.	24340 <i>Ardea novaehollandiae</i> (White-faced Heron)			
60.	24341 <i>Ardea pacifica</i> (White-necked Heron)			
61.	<i>Egretta novaehollandiae</i>			
62.	25564 <i>Nycticorax caledonicus</i> (Rufous Night Heron)			
Armadillidae				
63.	<i>Buddelundia</i> sp.			
Arrenuridae				
64.	<i>Arrenurus</i> (<i>Arrenurus</i>) <i>ensifer</i>			
65.	<i>Arrenurus</i> sp. nov. 1 (PSS)			Y
Artamidae				
66.	25566 <i>Artamus cinereus</i> (Black-faced Woodswallow)			
67.	24352 <i>Artamus cinereus</i> subsp. <i>melanops</i> (Black-faced Woodswallow)			
68.	24353 <i>Artamus cyanopterus</i> (Dusky Woodswallow)			
69.	24355 <i>Artamus minor</i> (Little Woodswallow)			
70.	24356 <i>Artamus personatus</i> (Masked Woodswallow)			
Asplanchnidae				
71.	<i>Asplanchna brightwelli</i>			
Aturidae				
72.	<i>Austraturus</i> sp. P1 (PSW)			
73.	<i>Axonopsella</i> nr <i>truza</i> (PSW)			
74.	<i>Axonopsella</i> sp. P2 (PSW)			
Baetidae				
75.	<i>Baetidae</i> sp.			
76.	<i>Cloeon</i> sp.			
77.	<i>Offadens soror</i> (ex genus 1 WA sp. 1)			
78.	<i>Pseudocloeon hypodelum</i> (ex Baetid genus3 WA sp. 2) (PSW)			
Bdelloidea				
79.	<i>Bdelloidea</i> sp. 2:2			
Belostomatidae				
80.	<i>Belostomatidae</i> sp.			
81.	<i>Diplonychus eques</i>			
Boidae				
82.	25318 <i>Antaresia perthensis</i> (Pygmy Python)			
83.	25448 <i>Antaresia stimsoni</i> (Stimson's Python)			
84.	25319 <i>Antaresia stimsoni</i> subsp. <i>orientalis</i> (Stimson's Python)			
85.	25320 <i>Aspidites melanocephalus</i> (Black-headed Python)			
86.	25238 <i>Liasis olivaceus</i> subsp. <i>barroni</i> (Pilbara Olive Python)			T
Bovidae				
87.	24251 <i>Bos taurus</i> (European Cattle)	Y		
Brachionidae				
88.	<i>Brachionus angularis</i>			
89.	<i>Brachionus bidentatus</i>			
90.	<i>Brachionus dichotomus</i>			
91.	<i>Brachionus falcatus</i>			
92.	<i>Brachionus quadridentatus</i>			
93.	<i>Keratella procurva</i>			
94.	<i>Keratella tropica</i>			
95.	<i>Platyias quadricornis</i>			
Burhinidae				
96.	24359 <i>Burhinus grallarius</i> (Bush Stone-curlew)			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Buthidae				
97.	<i>Lychas</i> sp. 1			
98.	<i>Lychas</i> sp. 2			
Cacatuidae				
99.	<i>Eolophus roseicapillus</i>			
Caenidae				
100.	<i>Caenidae</i> sp.			
101.	<i>Tasmanocoenis arcuata</i>			
Camelidae				
102.	24254 <i>Camelus dromedarius</i> (Dromedary, Camel)	Y		
Campephagidae				
103.	24361 <i>Coracina maxima</i> (Ground Cuckoo-shrike)			
104.	25568 <i>Coracina novaehollandiae</i> (Black-faced Cuckoo-shrike)			
105.	24363 <i>Coracina novaehollandiae</i> subsp. <i>subpallida</i> (Black-faced Cuckoo-shrike)			
106.	24367 <i>Lalage tricolor</i> (White-winged Triller)			
Candonidae				
107.	<i>Deminutiocandona 'stomachosa'</i> (PSS)			
108.	<i>Meridiescandona cf. facies</i> (PSS)			
109.	<i>Meridiescandona facies</i> (PSS)			
110.	<i>Meridiescandona</i> sp. 1" (PSS)			Y
111.	<i>Meridiescandona</i> sp. 3' (PSS)			
112.	<i>Notacandona boultoni</i>			Y
113.	<i>Notacandona cf. modesta</i> (PSS)			Y
114.	<i>Notacandona modesta</i>			Y
115.	<i>Pilbaracandona eberhardi</i>			
Canthocamptidae				
116.	<i>Elaphoidella</i> sp. 3 (PSS)			
Caprimulgidae				
117.	24368 <i>Eurostopodus argus</i> (Spotted Nightjar)			
Carabidae				
118.	<i>Amblystomus obliquus</i>			
119.	<i>Carenum acutipes</i>			
120.	<i>Carenum pulchrum</i>			
121.	<i>Carenum subplanatum</i>			
122.	<i>Carenum venustum</i>			
123.	<i>Catadromus lacordairei</i>			
124.	<i>Chlaenius australis</i>			
125.	<i>Conopterum leai</i>			
126.	<i>Conopterum pyripenne</i>			
127.	<i>Geoscaptus laevisimus</i>			
128.	<i>Gigadema bostocki</i>			
129.	<i>Gnathaphanus melbournensis</i>			
130.	<i>Loxandrus laevigatus</i>			
131.	<i>Loxandrus micantior</i>			
132.	<i>Phorticosomus gularis</i>			
133.	<i>Platycoelus melliei</i>			
134.	<i>Scopodes rugatus</i>			
Carphodactylidae				
135.	25498 <i>Nephurus wheeleri</i>			
136.	24972 <i>Nephurus wheeleri</i> subsp. <i>cinctus</i>			
Casuariidae				
137.	24470 <i>Dromaius novaehollandiae</i> (Emu)			
Centropagidae				
138.	<i>Boeckella triarticulata</i>			
139.	<i>Calamoecia baylyi</i> (Cue form) (ex nr <i>lucasi</i> CB)			
Centropodidae				
140.	25600 <i>Centropus phasianinus</i> (Pheasant Coucal)			
Ceratopogonidae				
141.	<i>Alluaudomyia</i> sp.			
142.	<i>Bezzia</i> sp. 1 (SAP)			
143.	<i>Bezzia</i> sp. 2 (SAP)			
144.	<i>Ceratopogonidae</i> sp.			
145.	<i>Clinohalea</i> sp.			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
146.	<i>Culicoides</i> sp.			
147.	<i>Culicoides?</i> sp P4 (PSW)			
148.	<i>Dasyheleinae</i> sp. P1 (PSW)			
149.	<i>Dasyheleinae</i> sp. P2 (PSW)			
150.	<i>Lanatomyia</i> sp.			
151.	<i>Nilobezzia</i> sp.			
152.	<i>Stilobezzia</i> sp P1 (PSW)			
153.	<i>Stilobezzia</i> sp.			Y

Charadriidae

154.	47937	<i>Eiseyornis melanops</i> (Black-fronted Dotterel)		
155.	24379	<i>Erythrogonys cinctus</i> (Red-kneed Dotterel)		
156.	24386	<i>Vanellus tricolor</i> (Banded Lapwing)		

Cheluidae

157.	25339	<i>Chelodina steindachneri</i> (Flat-shelled Turtle)		
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Chironomidae

158.		<i>Chironominae</i> sp.		
159.		<i>Chironomus</i> aff. <i>altmans</i> (V24) (CB)		
160.		<i>Chironomus tepperi</i>		
161.		<i>Cladopelma curtivalva</i>		
162.		<i>Corynoneura</i> sp. P2 (PSW)		
163.		<i>Cryptochironomus griseidorsum</i>		
164.		<i>Dicrotendipes jobetus</i>		
165.		<i>Dicrotendipes</i> sp P4 (PSW)		
166.		<i>Djalmabatista</i> sp.		
167.		<i>Larsia albiceps</i>		
168.		<i>Microchironomus</i> 'K1' (PSW)		
169.		<i>Nilotanytus</i> sp. P1 (PSW)		
170.		<i>Orthoclaadiinae</i> sp.		
171.		<i>Paramerina</i> sp. D (PSW)		
172.		<i>Parametricnemus</i> sp P1 (PSW)		
173.		<i>Paratanytarsus</i> sp. P1 (PSW)		
174.		<i>Paratanytarsus</i> sp. P2 (PSW)		
175.		<i>Paratanytarsus</i> sp. P3 (PSW)		
176.		<i>Paratendipes</i> sp. 'K1' (PSW)		
177.		<i>Pentaneurini</i> sp. P6 (PSW)		
178.		<i>Polypedilum leei</i>		
179.		<i>Polypedilum</i> nr <i>vespertinus</i> (M2) (SAP)		
180.		<i>Polypedilum nubifer</i>		
181.		<i>Polypedilum watsoni</i>		
182.		<i>Procladius paludicola</i>		
183.		<i>Rheocricotopus</i> sp. P1 (PSW)		
184.		<i>Rheotanytarsus trivittatus</i>		
185.		<i>Skusella subvittata</i>		
186.		<i>Tanypodinae</i> sp.		
187.		<i>Tanytarsus fuscithorax/semibarbitarsus</i>		
188.		<i>Tanytarsus</i> nr sp. P9 (PSW)		
189.		<i>Tanytarsus</i> sp. D (SAP)		
190.		<i>Tanytarsus</i> sp. P12 (PSW)		
191.		<i>Tanytarsus</i> sp. P2 (PSW)		
192.		<i>Thienemanniella</i> sp. P1 (PSW)		

Chthoniidae

193.		<i>Tyrannochthonius aridus</i>		
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Chydoridae

194.		<i>Alona</i> cf. <i>verrucosa</i>		
195.		<i>Alona clathrata</i>		
196.		<i>Alona rigidicaudis</i>		
197.		<i>Armatalona macrocopa</i>		
198.		<i>Australospilus elongatus</i>		
199.		<i>Ephemeroporus barroisi</i> s.l.		

Cinclosomatidae

200.	25580	<i>Cinclosoma castaneothorax</i> (Chestnut-breasted Quail-thrush)		
201.	24390	<i>Psophodes occidentalis</i> (Western Wedgebill, Chiming Wedgebill)		

Coenagrionidae

202.		<i>Argiocnemis rubescens</i>		
203.		<i>Austroagrion pindrina/Ischnura heterosticta</i>		
204.		<i>Coenagrionidae</i> sp.		
205.		<i>Ischnura aurora aurora</i>		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
206.	<i>Pseudagrion microcephalum</i>			
Columbidae				
207.	24401 <i>Geopelia cuneata</i> (Diamond Dove)			
208.	24402 <i>Geopelia humeralis</i> (Bar-shouldered Dove)			
209.	25585 <i>Geopelia striata</i> (Zebra Dove)			
210.	24403 <i>Geopelia striata</i> subsp. <i>placida</i> (Peaceful Dove)			
211.	24404 <i>Geophaps plumifera</i> (Spinifex Pigeon)			
212.	24407 <i>Ocyphaps lophotes</i> (Crested Pigeon)			
213.	24409 <i>Phaps chalcoptera</i> (Common Bronzewing)			
Copepoda				
214.	' <i>Bryocyclops</i> ' sp. 1 (PSS)			
Corduliidae				
215.	<i>Corduliidae</i> sp.			
216.	<i>Hemicordulia intermedia</i>			
217.	<i>Hemicordulia tau</i>			
Corixidae				
218.	<i>Agraptocorixa parvipunctata</i>			
219.	<i>Corixidae</i> sp.			
220.	<i>Micronecta adelaidae</i>			
221.	<i>Micronecta micra</i>			
222.	<i>Micronecta</i> n. sp. P1 (PSW)			
223.	<i>Micronecta</i> n. sp. P3 (PSW)			
Corvidae				
224.	24416 <i>Corvus bennetti</i> (Little Crow)			
225.	25593 <i>Corvus orru</i> (Torresian Crow)			
226.	24418 <i>Corvus orru</i> subsp. <i>ceciliae</i> (Western Crow)			
Cracticidae				
227.	24420 <i>Cracticus nigrogularis</i> (Pied Butcherbird)			
228.	25595 <i>Cracticus tibicen</i> (Australian Magpie)			
229.	24422 <i>Cracticus tibicen</i> subsp. <i>dorsalis</i> (White-backed Magpie)			
230.	24423 <i>Cracticus tibicen</i> subsp. <i>tibicen</i> (Black-backed Magpie)			
231.	25596 <i>Cracticus torquatus</i> (Grey Butcherbird)			
Cuculidae				
232.	42307 <i>Cacomantis pallidus</i> (Pallid Cuckoo)			
233.	24431 <i>Chrysococcyx basalis</i> (Horsfield's Bronze Cuckoo)			
Culicidae				
234.	<i>Anopheles annulipes</i> s.l.			
235.	<i>Culex</i> (<i>Culex</i>) <i>annulirostris</i>			
236.	<i>Culex crinicauda</i>			
237.	<i>Culex palpalis</i>			
238.	<i>Culicidae</i> sp.			
Cyclopidae				
239.	<i>Australoencyclops karaytugi</i> (ex <i>Paracyclops</i> sp. 7)			
240.	<i>Diacyclops cockingi</i>			
241.	<i>Diacyclops humphreysi humphreysi</i>			
242.	<i>Diacyclops scanloni</i>			
243.	<i>Diacyclops sobeprolatus</i>			
244.	<i>Diacyclops</i> sp.			
245.	<i>Ectocyclops phaleratus</i>			
246.	<i>Eucyclops australiensis</i>			
247.	<i>Mesocyclops brooksi</i>			
248.	<i>Mesocyclops darwini</i>			
249.	<i>Microcyclops varicans</i>			
250.	<i>Paracyclops chiltoni</i>			
251.	<i>Paracyclops intermedius</i>			
252.	<i>Paracyclops</i> sp. 8 (PSW)			
253.	<i>Pescecyclus</i> sp. P1			
254.	<i>Thermocyclops decipiens</i>			
255.	<i>Tropocyclops confinis</i> (ex <i>Paracyclops</i> sp. 6)			
Cyprididae				
256.	<i>Ampullacypris</i> sp.			Y
257.	<i>Bennelongia barangaroo lineage</i>			
258.	<i>Bennelongia nimala</i>			
259.	<i>Candonocypris fitzroyi</i>			
260.	<i>Cypretta 'reticulata'</i> (PSW)			

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261.	<i>Cypretta ?lutea</i>			
262.	<i>Cypretta baylyi</i>			
263.	<i>Cypretta</i> sp. BOS080			
264.	<i>Cypricercus</i> sp. 422 (CB)			
265.	<i>Hemicypris megalops</i>			
266.	<i>Ilyodromus</i> sp BOS25			
Cyzicidae				
267.	<i>Ozestheria packardi</i>			
Daphniidae				
268.	<i>Ceriodaphnia cornuta</i>			
Darwinulidae				
269.	<i>Vestalenula marmonieri</i>			
Dasyuridae				
270.	24091 <i>Dasykaluta rosamondae</i> (Little Red Kaluta)			
271.	24093 <i>Dasyurus hallucatus</i> (Northern Quoll)		T	
272.	24095 <i>Ningai timealeyi</i> (Pilbara Ningai)			
273.	24101 <i>Planigale ingrami</i> (Long-tailed Planigale)			
274.	24106 <i>Pseudantechinus woolleyae</i> (Woolley's Pseudantechinus)			
275.	24108 <i>Sminthopsis crassicaudata</i> (Fat-tailed Dunnart)			
276.	24109 <i>Sminthopsis dolichura</i> (Little long-tailed Dunnart)			
277.	24115 <i>Sminthopsis longicaudata</i> (Long-tailed Dunnart)		P4	
278.	24116 <i>Sminthopsis macroura</i> (Stripe-faced Dunnart)			
279.	24117 <i>Sminthopsis ooldea</i> (Ooldea Dunnart)			
280.	24120 <i>Sminthopsis youngsoni</i> (Lesser Hairy-footed Dunnart)			
Diaptomidae				
281.	<i>Eodiaptomus lumholtzi</i>			
Diatom Family				
282.	<i>Achnanthes exigua</i> Grun.			
283.	<i>Achnanthes exilis</i> Kütz.			
284.	<i>Amphora coffeaeformis</i> (Ag.) Kütz.			
285.	<i>Amphora ovalis</i> (Kütz.) Kütz.			
286.	<i>Anomoeoneis styriaca</i> (Grun.) Hust.			
287.	<i>Caloneis silicula</i> (Ehr.) Cl.			
288.	<i>Cocconeis placentula</i> var. <i>euglypta</i> ehr.			
289.	<i>Cylotella menghiniana</i> Kütz.			
290.	<i>Cylotella stelligera</i> Cl. & Grun.			
291.	<i>Cymbella affinis</i> Kütz.			
292.	<i>Cymbella aspera</i> (Ehr.) Cl.			
293.	<i>Cymbella cymbiformis</i> Ag.			
294.	<i>Cymbella delicatula</i> Kütz.			
295.	<i>Cymbella falaisensis</i> (Grun.) Krammer & Lange-Bertalot			
296.	<i>Cymbella pusilla</i> Grun.			
297.	<i>Diploneis ovalis</i> (Hilse) Cl.			
298.	<i>Entomoneis paludosa</i> (W. Sm.) Reimer			
299.	<i>Eolimna minima</i> (Grun.) Lange-Bertalot			
300.	<i>Epithemia adnata</i> (Kütz.) Bréb.			
301.	<i>Epithemia smithii</i> Carruthers			
302.	<i>Fragilaria nanana</i> Lange-Bertalot			Y
303.	<i>Fragilaria ulna</i> (Nitz.) Lange Bertalot			
304.	<i>Hantzschia amphioxys</i> (Ehr.) Grun.			
305.	<i>Mastogloia elliptica</i> (Ag.) Cl.			
306.	<i>Mastogloia elliptica</i> var. <i>danseii</i> (thwaites) grun.			
307.	<i>Mastogloia smithii</i> Thwaites			
308.	<i>Navicula cryptocephala</i> Kütz.			
309.	<i>Navicula cryptoneilla</i> Lange-Bertalot			
310.	<i>Navicula duerrenbergiana</i> Hust.			
311.	<i>Navicula leptostriata</i> Jørgensen			
312.	<i>Navicula radiosa</i> Kütz.			
313.	<i>Navicula rhynchocephala</i> Kütz.			
314.	<i>Navicula subrhynchocephala</i> Hust.			
315.	<i>Navicula variostrata</i> Krasske			
316.	<i>Nitzschia acicularis</i> (Kütz.) W. Sm.			
317.	<i>Nitzschia amphibia</i> Grun.			
318.	<i>Nitzschia angustata</i> Grun.			
319.	<i>Nitzschia frustulum</i> (Kütz.) Grun.			
320.	<i>Nitzschia gracilis</i> Hantz.			
321.	<i>Nitzschia microcephala</i> Grun.			

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322.	<i>Nitzschia obtusa</i> W. Sm			
323.	<i>Nitzschia palea</i> (Kütz.) W. Sm.			
324.	<i>Pinnularia subrostrata</i> (A. Cl.) Cl.-Euler			
325.	<i>Pleurosigma elongatum</i> W. Sm.			
326.	<i>Rhopalodia gibba</i> (Ehr.) O. Mull.)			
327.	<i>Sellephora pupula</i> (Kütz) Mereschkowsky			
Dicaeidae				
328.	25607 <i>Dicaeum hirundinaceum</i> (Mistletoebird)			
Dicruridae				
329.	24443 <i>Grallina cyanoleuca</i> (Magpie-lark)			
330.	<i>Rhipidura albicauda</i>			
331.	48096 <i>Rhipidura albiscapa</i> (Grey Fantail)			
332.	25614 <i>Rhipidura leucophrys</i> (Willie Wagtail)			
333.	24454 <i>Rhipidura leucophrys</i> subsp. <i>leucophrys</i> (Willie Wagtail)			
Diffugiidae				
334.	<i>Diffugia</i> sp. P1			
Diplodactylidae				
335.	25456 <i>Crenadactylus ocellatus</i> (Clawless Gecko)			
336.	24919 <i>Crenadactylus ocellatus</i> subsp. <i>horni</i> (Clawless Gecko)			
337.	24921 <i>Crenadactylus ocellatus</i> subsp. <i>rostralis</i> (Clawless Gecko)			
338.	24926 <i>Diplodactylus conspicillatus</i> (Fat-tailed Gecko)			
339.	24930 <i>Diplodactylus granariensis</i> subsp. <i>rex</i>			
340.	24940 <i>Diplodactylus pulcher</i>			
341.	24944 <i>Diplodactylus savagei</i> (Southern Pilbara Beak-faced Gecko)			
342.	30933 <i>Lucasium stenodactylum</i>			
343.	30934 <i>Lucasium wombeyi</i>			
344.	<i>Oedura fimbria</i>			
345.	24976 <i>Oedura marmorata</i> (Marbled Velvet Gecko)			
346.	24982 <i>Rhynchoedura ornata</i> (Western Beaked Gecko)			
347.	24927 <i>Strophurus elderi</i>			
348.	24932 <i>Strophurus jeanae</i>			
349.	24949 <i>Strophurus wellingtonae</i>			
Dolichopodidae				
350.	<i>Dolichopodidae</i> sp.			
Dytiscidae				
351.	<i>Allodessus bistrigatus</i>			
352.	<i>Antiporus bakewelli</i>			
353.	<i>Antiporus</i> sp.			
354.	<i>Austrodytes insularis</i>			
355.	<i>Bidessodes denticulatus</i>			
356.	<i>Boongurrus occidentalis</i>			
357.	<i>Boongurrus</i> sp.			Y
358.	<i>Cybister tripunctatus</i>			
359.	<i>Dytiscidae</i> sp.			
360.	<i>Eretes australis</i>			
361.	<i>Hydaticus consanguineus</i>			
362.	<i>Hydaticus daemeli</i>			
363.	<i>Hydroglyphus grammopterus</i> (=trilineatus)			
364.	<i>Hydroglyphus leai</i>			
365.	<i>Hydroglyphus orthogrammus</i>			
366.	<i>Hydrovatus weiri</i>			
367.	<i>Hyphydrus elegans</i>			
368.	<i>Hyphydrus lyratus</i>			
369.	<i>Laccophilus clarki</i>			
370.	<i>Laccophilus sharpi</i>			
371.	<i>Limbodessus compactus</i>			
372.	<i>Necterosoma regulare</i>			
373.	<i>Onychohydrus atratus</i>			
374.	<i>Platynectes decempunctatus</i> var <i>decempunctatus</i>			
375.	<i>Rhantaticus congestus</i>			
376.	<i>Sternopriscus multimaculatus</i>			
377.	<i>Sternopriscus pilbarensis</i>			
378.	<i>Tiporus</i> sp.			
379.	<i>Tiporus tambreyi</i>			
Ecnomidae				
380.	<i>Ecnomidae</i> sp.			
381.	<i>Ecnomus pilbarensis</i>			

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382.	<i>Ecnomus</i> sp.			
Elapidae				
383.	25332 <i>Acanthophis wellsi</i> (Pilbara Death Adder)			
384.	25331 <i>Brachyurophis approximans</i> (North-western Shovel-nosed Snake)			
385.	25468 <i>Demansia psammophis</i> (Yellow-faced Whipsnake)			
386.	25295 <i>Demansia psammophis</i> subsp. <i>cupreiceps</i> (Yellow-faced Whipsnake)			
387.	25297 <i>Demansia rufescens</i> (Rufous Whipsnake)			
388.	25301 <i>Furina ornata</i> (Moon Snake)			
389.	25254 <i>Parasuta monachus</i>			
390.	25261 <i>Pseudechis australis</i> (Mulga Snake)			
391.	42416 <i>Pseudonaja mengdeni</i> (Western Brown Snake)			
392.	25263 <i>Pseudonaja modesta</i> (Ringed Brown Snake)			
393.	25264 <i>Pseudonaja nuchalis</i> (Gwardar, Northern Brown Snake)			
394.	25269 <i>Suta fasciata</i> (Rosen's Snake)			
395.	25307 <i>Suta punctata</i> (Spotted Snake)			
396.	25311 <i>Vermicella snelli</i>			
Elmidae				
397.	<i>Austrolimnius</i> WA sp. 2 (= adult sp WA 2) (PSW)			
Emballonuridae				
398.	24174 <i>Saccolaimus flaviventris</i> (Yellow-bellied Sheath-tailed Bat)			
399.	24175 <i>Taphozous georgianus</i> (Common Sheath-tailed Bat)			
400.	24176 <i>Taphozous hilli</i> (Hill's Sheath-tail-bat)			
Empididae				
401.	<i>Empididae</i> sp.			
Enchytraeidae				
402.	<i>Enchytraeidae</i> sp.			
403.	<i>Enchytraeus Pilbara</i> sp. 2 (PSS)			
Ephydriidae				
404.	<i>Ephydriidae</i> sp. 6 (SAP)			
Epistylidae				
405.	<i>Epistylis</i> sp			
Equidae				
406.	24257 <i>Equus asinus</i> (Donkey)	Y		
407.	24258 <i>Equus caballus</i> (Horse)	Y		
Estrilidae				
408.	24631 <i>Emblema pictum</i> (Painted Finch)			
409.	25685 <i>Neochmia ruficauda</i> (Star Finch)			
410.	30870 <i>Taeniopygia guttata</i> (Zebra Finch)			
411.	30871 <i>Taeniopygia guttata</i> subsp. <i>castanotis</i> (Zebra Finch)			
Euchlanidae				
412.	<i>Euchlanis dilatata</i>			
413.	<i>Euchlanis oropha</i>			
Euglyphidae				
414.	<i>Euglypha</i> sp.			
Falconidae				
415.	25621 <i>Falco berigora</i> (Brown Falcon)			
416.	24471 <i>Falco berigora</i> subsp. <i>berigora</i> (Brown Falcon)			
417.	25622 <i>Falco cenchroides</i> (Australian Kestrel, Nankeen Kestrel)			
418.	25623 <i>Falco longipennis</i> (Australian Hobby)			
419.	24474 <i>Falco longipennis</i> subsp. <i>longipennis</i> (Australian Hobby)			
420.	25624 <i>Falco peregrinus</i> (Peregrine Falcon)			S
Felidae				
421.	24041 <i>Felis catus</i> (Cat)	Y		
Flosculariidae				
422.	<i>Ptygura</i> sp.			
423.	<i>Sinantherina semibullata</i>			
Garypidae				
424.	<i>Synsphyronus heptatrichus</i>			
Gastrotricha				
425.	<i>Gastrotricha</i> sp.			
Gekkonidae				
426.	24956 <i>Gehyra pilbara</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
427.	24958 <i>Gehyra punctata</i>			
428.	24957 <i>Gehyra purpurascens</i>			
429.	24959 <i>Gehyra variegata</i>			
430.	24961 <i>Heteronotia binoei</i> (Bynoe's Gecko)			
431.	24963 <i>Heteronotia planiceps</i>			
432.	<i>Heteronotia</i> sp.			
433.	24962 <i>Heteronotia spelea</i> (Desert Cave Gecko, Pilbara Cave Gecko)			
434.	41426 <i>Underwoodisaurus seorsus</i> (Pilbara Barking Gecko)		P2	
Gelastocoridae				
435.	<i>Nerthra luteovaria</i>			
Gerridae				
436.	<i>Gerridae</i> sp.			
437.	<i>Limnogonus luctuosus</i>			
Glossiphoniidae				
438.	<i>Glossiphoniidae</i> sp.			
Gnaphosidae				
439.	<i>nr Encoptarthria</i> sp. B01			Y
Gomphidae				
440.	<i>Austroepigomphus</i> (<i>Xerogomphus</i>) <i>gordoni</i>			
441.	<i>Gomphidae</i> sp.			
Gyrinidae				
442.	<i>Dineutus australis</i>			
443.	<i>Gyrinidae</i> sp.			
444.	<i>Macroyrus darlingtoni</i>			
Halcyonidae				
445.	25547 <i>Dacelo leachii</i> (Blue-winged Kookaburra)			
446.	24304 <i>Dacelo leachii</i> subsp. <i>leachii</i> (Blue-winged Kookaburra)			
447.	42351 <i>Todiramphus pyrrhopygius</i> (Red-backed Kingfisher)			
448.	25549 <i>Todiramphus sanctus</i> (Sacred Kingfisher)			
Haliplidae				
449.	<i>Halipilus pinderi</i>			
Hebridae				
450.	<i>Hebridae</i> sp.			
Hexarthridae				
451.	<i>Hexarthra cf brandorffi</i> (PSW)			
452.	<i>Hexarthra intermedia</i>			
453.	<i>Hexarthra mira</i>			
Hipposideridae				
454.	43368 <i>Rhinonictes aurantia</i> (Orange Leaf-nosed bat)		P4	
455.	48095 <i>Rhinonictes aurantia</i> (Pilbara) (Pilbara leaf-nosed bat)		T	
Hirundinidae				
456.	24491 <i>Hirundo neoxena</i> (Welcome Swallow)			
457.	48060 <i>Petrochelidon ariel</i> (Fairy Martin)			
458.	48061 <i>Petrochelidon nigricans</i> (Tree Martin)			
Hydrachnidae				
459.	<i>Hydrachna</i> sp.			
460.	<i>Hydrachna</i> sp. 4/5 (PSW)			
Hydraenidae				
461.	<i>Hydraena barbipes</i>			
462.	<i>Hydraena cf. rudallensis</i> (PSW)			
463.	<i>Hydraenidae</i> sp.			
464.	<i>Limnebius</i> sp.			
465.	<i>Ochthebius</i> sp. P1 (PSW)			
Hydridae				
466.	<i>Hydra</i> sp.			
Hydrochidae				
467.	<i>Hydrochus</i> group 3 "black" (PSW)			
468.	<i>Hydrochus lateviridus</i>			
469.	<i>Hydrochus</i> sp.			
Hydrodromidae				
470.	<i>Hydrodroma</i> sp.			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Hydrophilidae				
471.	<i>Berosus dallasae</i>			
472.	<i>Berosus pulchellus</i>			
473.	<i>Berosus</i> sp.			
474.	<i>Cercyon</i> sp.			
475.	<i>Helochares/E mastersi</i> larvae			
476.	<i>Hydrochus eurypleuron</i>			
477.	<i>Hydrochus interioris</i>			
478.	<i>Hydrochus obscuroaeus</i>			
479.	<i>Hydrophilidae</i> sp.			
480.	<i>Hydrophilus brevispina</i>			
481.	<i>Laccobius</i> sp.			
482.	<i>Paracymus spenceri</i>			
483.	<i>Paranacaena horni</i>			
484.	<i>Regimbartia attenuata</i>			
485.	<i>Sternolophus australis</i>			
486.	<i>Sternolophus immarginatus</i>			
487.	<i>Sternolophus marginicollis</i>			
Hydropsychidae				
488.	<i>Cheumatopsyche wellsae</i>			
489.	<i>Hydropsychidae</i> sp.			
Hydroptilidae				
490.	<i>Hellyethira litua</i>			
491.	<i>Hellyethira</i> sp.			
492.	<i>Hydroptilidae</i> sp.			
Hydryphantidae				
493.	<i>Pseudohydryphantes</i> sp. P1 (PSW)			
494.	<i>Wandesia</i> sp. P1(nr <i>glareosa</i>)(PSW)			
Hygrobatidae				
495.	<i>Aspidiobates pilbara</i>			
496.	<i>Australiobates</i> n. sp. (PSS)			
497.	<i>Australiobates queenslandensis</i>			
498.	<i>Gondwanabates</i> nr <i>bodivus</i> (PSW)			
499.	<i>Procorticacarus</i> P1 (PSW)			
Hylidae				
500.	25375 <i>Cyclorana maini</i> (Sheep Frog)			
501.	25376 <i>Cyclorana platycephala</i> (Water-holding Frog)			
502.	25392 <i>Litoria rubella</i> (Little Red Tree Frog)			
Idiopidae				
503.	<i>Anidiops villosus</i>			
Isostictidae				
504.	<i>Eurysticta coolawanyah</i>			
Ituridae				
505.	<i>Itura deridderae</i>			
Lamponidae				
506.	<i>Asadipus yundamindra</i>			
507.	<i>Bigenditia zuytdorp</i>			
508.	<i>Lampona whaleback</i>			
509.	<i>Lamponina scutata</i>			
Lecanidae				
510.	<i>Lecane aculeata</i>			
511.	<i>Lecane batillifer</i>			
512.	<i>Lecane bulla</i>			
513.	<i>Lecane</i> cf. <i>crepida</i> (PSW)			
514.	<i>Lecane crepida</i>			
515.	<i>Lecane curvicornis</i>			
516.	<i>Lecane grandis</i>			
517.	<i>Lecane hornemanni</i>			
518.	<i>Lecane luna</i>			
519.	<i>Lecane lunaris</i>			
520.	<i>Lecane obtusa</i>			
521.	<i>Lecane papuana</i>			
522.	<i>Lecane thalera</i>			
Lepadellidae				
523.	<i>Lepadella</i> (H.) <i>ehrenbergii</i>			

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524.	<i>Lepadella (H.) heterostyla</i>			
525.	<i>Lepadella acuminata</i>			
526.	<i>Lepadella latusinus</i>			
527.	<i>Lepadella ovalis</i>			
528.	<i>Lepadella patella</i>			
529.	<i>Lepadella triptera</i>			
Leporidae				
530.	24085 <i>Oryctolagus cuniculus</i> (Rabbit)	Y		
Leptoceridae				
531.	<i>Leptoceridae</i> sp.			
532.	<i>Leptocerus</i> sp. AV2 (atsou?) (PSW)			
533.	<i>Oecetis</i> sp. Pilbara 2 (PSW)			
534.	<i>Oecetis</i> sp. Pilbara 4 (PSW)			
535.	<i>Oecetis</i> sp. Pilbara 5 (PSW)			
536.	<i>Triaenodes</i> sp. P1=P2 (PSW)			
537.	<i>Tripletides australis</i>			
Lesquereusidae				
538.	<i>Lesquereusia spiralis</i>			
Lestidae				
539.	<i>Austrolestes aridus</i>			
Libellulidae				
540.	<i>Diplacodes bipunctata</i>			
541.	<i>Diplacodes haematodes</i>			
542.	<i>Libellulidae</i> sp.			
543.	<i>Orthetrum caledonicum</i>			
544.	<i>Orthetrum pruinosum migratum</i>			
545.	<i>Pantala flavescens</i>			
546.	<i>Rhodothemis lieftincki</i>			
547.	<i>Zyxomma elgneri</i>			
Limnadiidae				
548.	<i>Limnadopsis tatei</i>			
Limnesiidae				
549.	<i>Limnesia</i> sp.			
550.	<i>Limnesia</i> sp. 1 (PSW)			
551.	<i>Limnesia</i> sp. 4 (PSW)			
Limnichidae				
552.	<i>Limnichidae</i> sp. P1			
553.	<i>Limnichidae</i> sp. P4			
Limnocharidae				
554.	<i>Limnochares australica</i>			
Limnocytheridae				
555.	<i>Gomphodella</i> sp. 4 (PSS)			
556.	<i>Limnocythere dorsosicula</i>			
Limnodynastidae				
557.	25427 <i>Neobatrachus sutor</i> (Shoemaker Frog)			
Lindeniidae				
558.	<i>Ictinogomphus dobsoni</i>			
Lycosidae				
559.	<i>Hoggicosa bicolor</i>			
560.	<i>Knoelle clara</i>			
Lymnaeidae				
561.	<i>Austropeplea lessoni</i>			
562.	<i>Lymnaeidae</i> sp.			
Macropodidae				
563.	25489 <i>Macropus robustus</i> (Euro, Biggada)			
564.	24135 <i>Macropus robustus</i> subsp. <i>erubescens</i> (Euro, Biggada)			
565.	24136 <i>Macropus rufus</i> (Red Kangaroo, Marlu)			
566.	48034 <i>Osphranter robustus</i> (Euro, Biggada)			
567.	24144 <i>Petrogale rothschildi</i> (Rothschild's Rock-wallaby)			
568.	48401 <i>Petrogale</i> sp. (rock wallaby)			T
Macrotrichidae				
569.	<i>Macrotrix indistincta</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Maluridae				
570.	25647 <i>Amytornis striatus</i> (Striated Grasswren)			
571.	24540 <i>Amytornis striatus</i> subsp. <i>whitei</i> (Rufous Grasswren)			
572.	25651 <i>Malurus lamberti</i> (Variegated Fairy-wren)			
573.	24544 <i>Malurus lamberti</i> subsp. <i>assimilis</i> (Variegated Fairy-wren)			
574.	25652 <i>Malurus leucopterus</i> (White-winged Fairy-wren)			
575.	24549 <i>Malurus leucopterus</i> subsp. <i>leuconotus</i> (White-winged Fairy-wren)			
576.	25654 <i>Malurus splendens</i> (Splendid Fairy-wren)			
577.	25656 <i>Stipiturus ruficeps</i> (Rufous-crowned Emu-wren)			
Megadermatidae				
578.	24180 <i>Macroderma gigas</i> (Ghost Bat)		T	
Melanotaeniidae				
579.	<i>Melanotaenia australis</i>			
Meliphagidae				
580.	24559 <i>Acanthagenys rufogularis</i> (Spiny-cheeked Honeyeater)			
581.	24564 <i>Certhionyx variegatus</i> (Pied Honeyeater)			
582.	24570 <i>Epthianura tricolor</i> (Crimson Chat)			
583.	42314 <i>Gavicalis virescens</i> (Singing Honeyeater)			
584.	24572 <i>Lacustroica whitei</i> (Grey Honeyeater)			
585.	25661 <i>Lichmera indistincta</i> (Brown Honeyeater)			
586.	24582 <i>Lichmera indistincta</i> subsp. <i>indistincta</i> (Brown Honeyeater)			
587.	24583 <i>Manorina flavigula</i> (Yellow-throated Miner)			
588.	25665 <i>Melithreptus gularis</i> (Black-chinned Honeyeater)			
589.	24589 <i>Melithreptus gularis</i> subsp. <i>laetior</i> (Black-chinned Honeyeater)			
590.	42323 <i>Ptilotula keartlandi</i> (Grey-headed Honeyeater)			
591.	48088 <i>Ptilotula penicillata</i> (White-plumed Honeyeater)			
592.	42344 <i>Purnella albifrons</i> (White-fronted Honeyeater)			
Meropidae				
593.	24598 <i>Merops ornatus</i> (Rainbow Bee-eater)			
Mesostigmata				
594.	<i>Mesostigmata</i> sp.			
Mesoveliidae				
595.	<i>Mesovelia hungerfordi</i>			
596.	<i>Mesovelia</i> sp.			
597.	<i>Mesovelia vittigera</i>			
598.	<i>Mesoveliidae</i> sp.			
Mideopsidae				
599.	<i>Guineaxonopsis</i> sp. P1 (PSW)			
Moinidae				
600.	<i>Moina micrura</i> s.l.			
Molossidae				
601.	47713 <i>Austronomus australis</i> (White-striped Free-tailed Bat)			
602.	24181 <i>Chaerephon jobensis</i> (Greater Northern Freetail-bat, Northern Mastiff Bat)			
Momoniidae				
603.	<i>Hesperomomonía humphreysi</i>			
Motacillidae				
604.	25670 <i>Anthus australis</i> (Australian Pipit)			
Muridae				
605.	24223 <i>Mus musculus</i> (House Mouse)	Y		
606.	24224 <i>Notomys alexis</i> (Spinifex Hopping-mouse)			
607.	24233 <i>Pseudomys chapmani</i> (Western Pebble-mound Mouse, Ngadji)		P4	
608.	24234 <i>Pseudomys delicatulus</i> (Delicate Mouse)			
609.	24235 <i>Pseudomys desertor</i> (Desert Mouse)			
610.	24237 <i>Pseudomys hermannsburgensis</i> (Sandy Inland Mouse)			
611.	24239 <i>Pseudomys nanus</i> (Western Chestnut Mouse)			
612.	24248 <i>Zyomys argurus</i> (Common Rock-rat)			
613.	<i>Zyomys</i> sp.			Y
Myobatrachidae				
614.	25432 <i>Pseudophryne douglasi</i> (Gorge Toadlet)			
615.	25445 <i>Uperoleia russelli</i> (Northwest Toadlet)			
616.	41428 <i>Uperoleia saxatilis</i> (Pilbara Toadlet)			
Mytilinidae				
617.	<i>Lophocharis</i> n. sp. (psw079)			

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618.	<i>Mytilina ventralis macracantha</i>			
NO FAMILY				
619.	<i>No invertebrates</i>			
Naididae				
620.	<i>Ainudrilus sp. WA26 (PSS)</i>			Y
621.	<i>Allonais paraguayensis</i>			
622.	<i>Allonais pectinata</i>			
623.	<i>Naididae (ex Tubificidae)</i>			
624.	<i>Nais variabilis</i>			
625.	<i>Tubificidae WA28 (SAP)</i>			
626.	<i>Tubificidae stygo type 1 (imm Ainudrilus WA25/26?) (PSS)</i>			
Nebelidae				
627.	<i>Nebela sp.</i>			
Nematoda				
628.	<i>Nematoda sp.</i>			
629.	<i>Nematoda sp. 4 (PSS)</i>			
630.	<i>Nematoda sp. P2/P4 (PSW)</i>			
631.	<i>Nematoda sp. P3 (PSW)</i>			
632.	<i>Nematoda sp. P6 (PSW)</i>			
633.	<i>Nematoda sp. P8 (PSW)</i>			
Nemesiidae				
634.	<i>Aname mellosa</i>			
Nepidae				
635.	<i>Ranatra diminuta</i>			
Notommatidae				
636.	<i>Cephalodella biungulata</i>			
637.	<i>Cephalodella gibba</i>			
638.	<i>Cephalodella nr misgurnus (PSW)</i>			
639.	<i>Eosphora najas</i>			
Notonectidae				
640.	<i>Anisops hackeri</i>			
641.	<i>Anisops nasutus</i>			
642.	<i>Anisops stali</i>			
Oligochaeta				
643.	<i>Oligochaeta sp.</i>			
Olpiidae				
644.	<i>Indolpium sp.</i>			
Oonopidae				
645.	<i>Cavisternum clavatum</i>			
646.	<i>Prethopalpus boltoni</i>			Y
647.	<i>Prethopalpus maini</i>			
Opisthopora				
648.	<i>Opisthopora sp.</i>			
Oryidae				
649.	<i>Orphnaeus brevilabiatus</i>			
Ostracoda				
650.	<i>Ostracoda (unident.)</i>			
Otididae				
651.	24610 <i>Ardeotis australis (Australian Bustard)</i>			
Oxidae				
652.	<i>Oxus orientalis</i>			
Pachycephalidae				
653.	25675 <i>Colluricincla harmonica (Grey Shrike-thrush)</i>			
654.	24613 <i>Colluricincla harmonica subsp. rufiventris (Grey Shrike-thrush)</i>			
655.	24618 <i>Oreoica gutturalis (Crested Bellbird)</i>			
656.	34012 <i>Oreoica gutturalis subsp. pallescens (Crested Bellbird, central)</i>			
657.	25680 <i>Pachycephala rufiventris (Rufous Whistler)</i>			
658.	24624 <i>Pachycephala rufiventris subsp. rufiventris (Rufous Whistler)</i>			
Parabathynellidae				
659.	<i>Notobathynella sp.</i>			

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Paradoxosomatidae				
660.	<i>Antichiropus</i> sp.			
Paramelitidae				
661.	<i>Chydaekata</i> sp.			
662.	<i>Maarka weeliwollii</i>			
663.	<i>Paramelitidae</i> cf. sp. 9 (PSS)			Y
664.	<i>Paramelitidae</i> sp.			
665.	<i>Paramelitidae</i> sp. 2 (PSS)			
Parastenocarididae				
666.	<i>Parastenocaris jane</i>			
Pardalotidae				
667.	24627 <i>Pardalotus rubricatus</i> (Red-browed Pardalote)			
668.	25682 <i>Pardalotus striatus</i> (Striated Pardalote)			
669.	24628 <i>Pardalotus striatus</i> subsp. <i>murchisoni</i> (Striated Pardalote)			
670.	24629 <i>Pardalotus striatus</i> subsp. <i>uropygialis</i> (Striated Pardalote)			
671.	24630 <i>Pardalotus striatus</i> subsp. <i>westraliensis</i> (Striated Pardalote)			
Paupopodidae				
672.	<i>Decapauropus tenuis</i>			Y
Petroicidae				
673.	47997 <i>Melanodryas cucullata</i> (Hooded Robin)			
674.	24659 <i>Petroica goodenovii</i> (Red-capped Robin)			
Phalacrocoracidae				
675.	<i>Microcarbo melanoleucos</i>			
676.	25698 <i>Phalacrocorax melanoleucos</i> (Little Pied Cormorant)			
677.	24667 <i>Phalacrocorax sulcirostris</i> (Little Black Cormorant)			
Phasianidae				
678.	25701 <i>Coturnix ypsilophora</i> (Brown Quail)			
Philodinidae				
679.	<i>Dissotrocha</i> n. sp. (<i>Pilbara stygo</i>)			
Philopotamidae				
680.	<i>Chimarra</i> sp AV17 (PSW)			
681.	<i>Philopotamidae</i> sp.			
Pholcidae				
682.	<i>Trichocyclus aranda</i>			
Phreodrilidae				
683.	<i>Phreodrilid</i> with dissimilar ventral chaetae			
684.	<i>Phreodrilidae</i> sp.			
685.	<i>Phreodrilus</i> sp.			Y
Pionidae				
686.	<i>Piona cumberlandensis</i>			
Planorbidae				
687.	<i>Gyraulus hesperus</i>			
688.	<i>Planorbidae</i> sp.			
Plotosidae				
689.	<i>Neosilurus hyrtlii</i>			
Podargidae				
690.	25703 <i>Podargus strigoides</i> (Tawny Frogmouth)			
Podicipedidae				
691.	25705 <i>Tachybaptus novaehollandiae</i> (Australasian Grebe, Black-throated Grebe)			
Polycentropodidae				
692.	<i>Paranyctiophylax</i> sp AV5 (KIM-UWA)			
Polyxenidae				
693.	<i>Unixenus mjoebergi</i>			
Pomatostomidae				
694.	24683 <i>Pomatostomus superciliosus</i> (White-browed Babbler)			
695.	25706 <i>Pomatostomus temporalis</i> (Grey-crowned Babbler)			
696.	24684 <i>Pomatostomus temporalis</i> subsp. <i>rubeculus</i> (Grey-crowned Babbler)			
Pristinidae				
697.	<i>Pristina longiseta</i>			
698.	<i>Pristina</i> sp.			

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Procellariidae				
699.	24690 <i>Macronectes giganteus</i> (Southern Giant Petrel)		IA	
Prodidomidae				
700.	<i>Prodidomus woodleigh</i>			
701.	<i>Wydundra barrow</i>			
Protoneuridae				
702.	<i>Nososticta</i> sp.			
Psittacidae				
703.	<i>Barnardius zonarius</i>			
704.	25715 <i>Cacatua roseicapilla</i> (Galah)			
705.	24725 <i>Cacatua roseicapilla</i> subsp. <i>assimilis</i> (Galah)			
706.	24726 <i>Cacatua roseicapilla</i> subsp. <i>roseicapilla</i> (Galah)			
707.	25716 <i>Cacatua sanguinea</i> (Little Corella)			
708.	24728 <i>Cacatua sanguinea</i> subsp. <i>sanguinea</i> (Little Corella)			
709.	24727 <i>Cacatua sanguinea</i> subsp. <i>westralensis</i> (Little Corella)			
710.	24736 <i>Melopsittacus undulatus</i> (Budgerigar)			
711.	24737 <i>Neophema bourkii</i> (Bourke's Parrot)			
712.	<i>Neopsephotus bourkii</i>			
713.	24742 <i>Nymphicus hollandicus</i> (Cockatiel)			
714.	24748 <i>Platycercus varius</i> (Mulga Parrot)			
715.	25721 <i>Platycercus zonarius</i> (Australian Ringneck, Ring-necked Parrot)			
716.	24751 <i>Platycercus zonarius</i> subsp. <i>zonarius</i> (Port Lincoln Parrot)			
Psychodidae				
717.	<i>Psychodidae</i> sp.			
Ptilonorhynchidae				
718.	<i>Ptilonorhynchus guttatus</i>			
719.	25724 <i>Ptilonorhynchus maculatus</i> (Spotted Bowerbird)			
720.	24757 <i>Ptilonorhynchus maculatus</i> subsp. <i>guttatus</i> (Western Bowerbird)			
Pygopodidae				
721.	24997 <i>Delma butleri</i>			
722.	24998 <i>Delma elegans</i>			
723.	25000 <i>Delma haroldi</i>			
724.	25001 <i>Delma nasuta</i>			
725.	25002 <i>Delma pax</i>			
726.	25004 <i>Delma tincta</i>			
727.	25005 <i>Lialis burtonis</i>			
728.	25009 <i>Pygopus nigriceps</i>			
Pyralidae				
729.	<i>Pyralidae</i> nr sp. 37 of JHH (now sp. 53) (ex. <i>Pilbara</i> sp. 3) (PSW)			
730.	<i>Pyralidae</i> sp.			
731.	<i>Pyralidae</i> sp. 3 of JHH (PSW) (= <i>Margarosticha</i> ? <i>repetitalis</i>)			
Rallidae				
732.	25731 <i>Porphyrio porphyrio</i> (Purple Swamphen)			
Recurvirostridae				
733.	25734 <i>Himantopus himantopus</i> (Black-winged Stilt)			
Ridgewayiidae				
734.	<i>Stygorigewayia trispinosa</i>			
Salticidae				
735.	<i>Lycidas</i> sp. 1			
736.	<i>Pellenes bitaeniata</i>			
737.	<i>Zenodorus orbiculatus</i>			
Sarcoptiformes				
738.	<i>Oribatida</i> group 1 (PSS)			
739.	<i>Oribatida</i> group 5 (PSS)			
Scarabaeidae				
740.	<i>Heteronyx tepperi</i>			
741.	<i>Lepidiota squamulata</i>			
742.	<i>Onthophagus consentaneus</i>			
743.	<i>Onthophagus margaretensis</i>			
744.	<i>Onthophagus mjobergi</i>			
745.	<i>Onthophagus pugnacior</i>			
746.	<i>Onthophagus sloanei</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Scincidae				
747.	25015 <i>Carlia munda</i> (Shaded-litter Rainbow Skink)			
748.	25017 <i>Carlia triacantha</i> (Desert Rainbow Skink)			
749.	30893 <i>Cryptoblepharus buchananii</i>			
750.	25020 <i>Cryptoblepharus plagiocephalus</i>			
751.	30892 <i>Cryptoblepharus ustulatus</i>			
752.	25025 <i>Ctenotus ariadnae</i>			
753.	25036 <i>Ctenotus duricola</i>			
754.	25462 <i>Ctenotus grandis</i>			
755.	25041 <i>Ctenotus grandis</i> subsp. <i>grandis</i>			
756.	25044 <i>Ctenotus hanloni</i>			
757.	25045 <i>Ctenotus helenae</i>			
758.	25052 <i>Ctenotus leonhardii</i>			
759.	25463 <i>Ctenotus pantherinus</i> (Leopard Ctenotus)			
760.	25060 <i>Ctenotus pantherinus</i> subsp. <i>acripes</i> (Leopard Ctenotus)			
761.	25064 <i>Ctenotus pantherinus</i> subsp. <i>ocellifer</i> (Leopard Ctenotus)			
762.	25072 <i>Ctenotus rubicundus</i>			
763.	25071 <i>Ctenotus rutilans</i>			
764.	25073 <i>Ctenotus saxatilis</i> (Rock Ctenotus)			
765.	25074 <i>Ctenotus schomburgkii</i>			
766.	25077 <i>Ctenotus serventyi</i>			
767.	25465 <i>Ctenotus uber</i> (Spotted Ctenotus)			
768.	25080 <i>Ctenotus uber</i> subsp. <i>uber</i> (Spotted Ctenotus)			
769.	25466 <i>Cyclodomorphus melanops</i> (Slender Blue-tongue)			
770.	25089 <i>Cyclodomorphus melanops</i> subsp. <i>elongatus</i> (Slender Blue-tongue)			
771.	25090 <i>Cyclodomorphus melanops</i> subsp. <i>melanops</i> (Slender Blue-tongue)			
772.	41406 <i>Egernia cygnitos</i> (Western Pilbara Spiny-tailed Skink)			
773.	25092 <i>Egernia depressa</i> (Southern Pygmy Spiny-tailed Skink)			
774.	25094 <i>Egernia formosa</i>			
775.	43381 <i>Eremiascincus pallidus</i> (Western Narrow-banded Skink, Narrow-banded Sand Swimmer)			
776.	25109 <i>Eremiascincus richardsonii</i> (Broad-banded Sand Swimmer)			
777.	25125 <i>Lerista bipes</i>			
778.	25146 <i>Lerista labialis</i>			
779.	25482 <i>Lerista macropisthopus</i>			
780.	25151 <i>Lerista macropisthopus</i> subsp. <i>fusciceps</i>			
781.	25150 <i>Lerista macropisthopus</i> subsp. <i>remota</i> (unpatterned robust slider (Robertson Range), skink)		P2	
782.	25155 <i>Lerista muelleri</i>			
783.	25156 <i>Lerista neander</i>			
784.	25183 <i>Lerista zietzi</i>			
785.	25184 <i>Menetia greyii</i>			
786.	25491 <i>Menetia surda</i>			
787.	25187 <i>Menetia surda</i> subsp. <i>surda</i>			
788.	25495 <i>Morethia ruficauda</i>			
789.	25193 <i>Morethia ruficauda</i> subsp. <i>exquisita</i>			
790.	25199 <i>Proablepharus reginae</i>			
791.	25202 <i>Tiliqua multifasciata</i> (Central Blue-tongue)			
Sciomyzidae				
792.	<i>Sciomyzidae</i> sp.			
Scirtidae				
793.	<i>Scirtidae</i> sp.			
794.	<i>Scirtidae</i> sp. 1 (PSW)			
Scolopendridae				
795.	<i>Arthrorhabdus paucispinus</i>			
796.	<i>Cormocephalus strigosus</i>			
797.	<i>Cormocephalus turneri</i>			
798.	<i>Ethmostigmus curtipes</i>			
799.	<i>Ethmostigmus rubripes</i>			
800.	<i>Scolopendra laeta</i>			
801.	<i>Scolopendra morsitans</i>			
Scutigeridae				
802.	<i>Pilbarascutigera incola</i>			
Sididae				
803.	<i>Diaphanosoma excisum</i>			
804.	<i>Diaphanosoma unguiculatum</i>			
Simuliidae				

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
805.	<i>Cnephia nr aurantiacum</i>			
806.	<i>Simuliidae sp.</i>			
807.	<i>Simulium clathrinum</i>			
Sparassidae				
808.	<i>Holconia nigrigularis</i>			
Spongillidae				
809.	<i>Spongillidae sp.</i>			
Staphylinidae				
810.	<i>Staphylinidae sp.</i>			
Stratiomyidae				
811.	<i>Stratiomyidae sp.</i>			
Strigidae				
812.	25747 <i>Ninox connivens (Barking Owl)</i>			
813.	24819 <i>Ninox connivens subsp. connivens (Barking owl (southwest subpop.))</i>		P3	
Sylviidae				
814.	25755 <i>Acrocephalus australis (Australian Reed Warbler)</i>			
815.	24837 <i>Eremiornis carteri (Spinifex-bird)</i>			
Synchaetidae				
816.	<i>Polyarthra dolichoptera</i>			
Synxenidae				
817.	<i>Phryssonotus novaehollandiae</i>			
Tabanidae				
818.	<i>Tabanidae sp.</i>			
Tachyglossidae				
819.	24207 <i>Tachyglossus aculeatus (Short-beaked Echidna)</i>			
Tainisopidae				
820.	<i>Pygolabis sp.</i>			
821.	<i>Pygolabis weeliwoffi</i>			
Terapontidae				
822.	<i>Amniataba percoides</i>			
823.	<i>Leiopotherapon unicolor</i>			
Testudinellidae				
824.	<i>Testudinella amphora</i>			
825.	<i>Testudinella patina</i>			
Thamnocephalidae				
826.	<i>Branchinella halsei</i>			
Theridiidae				
827.	<i>Latrodectus hasseltii</i>			
Threskiornithidae				
828.	24845 <i>Threskiornis spinicollis (Straw-necked Ibis)</i>			
Thylacomyidae				
829.	24168 <i>Macrotis lagotis (Bilby, Dalgyte, Ninu)</i>		T	
Tipulidae				
830.	<i>Tipulidae sp.</i>			
831.	<i>Tipulidae type P1 (PSW)</i>			
Trichocercidae				
832.	<i>Trichocerca cf. bicristata</i>			
833.	<i>Trichocerca pusilla</i>			
834.	<i>Trichocerca similis</i>			
Trichotriidae				
835.	<i>Macrochaetus altamirai</i>			
Trigoniulidae				
836.	<i>Austrostrophus stictopygus</i>			
Triopsidae				
837.	<i>Triops australiensis australiensis</i>			
Trochanteriidae				
838.	<i>Fissarena castanea</i>			
839.	<i>Trachyspina mundaring</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Trombidiformes				
840.	<i>Acariformes sp.</i>			
Turbellaria				
841.	<i>Turbellaria sp.</i>			
Turnicidae				
842.	24851 <i>Turnix velox (Little Button-quail)</i>			
Typhlopidae				
843.	44634 <i>Anilios ganeii (Gane's blind snake (Pilbara))</i>		P1	
844.	44635 <i>Anilios grypus</i>			
Tytonidae				
845.	25762 <i>Tyto alba (Barn Owl)</i>			
Unionicolidae				
846.	<i>Recifella sp.</i>			
Urodacidae				
847.	<i>Urodacus butleri</i>			
848.	<i>Urodacus hoplurus</i>			
Varanidae				
849.	25209 <i>Varanus acanthurus (Spiny-tailed Monitor)</i>			
850.	25210 <i>Varanus brevicauda (Short-tailed Pygmy Monitor)</i>			
851.	30825 <i>Varanus bushii (Pilbara Mulga Monitor)</i>			
852.	25211 <i>Varanus caudolineatus</i>			
853.	25212 <i>Varanus eremius (Pygmy Desert Monitor)</i>			
854.	25216 <i>Varanus giganteus (Perentie)</i>			
855.	25218 <i>Varanus gouldii (Bungarra or Sand Monitor)</i>			
856.	48154 <i>Varanus hamersleyensis (Southern Pilbara Rock Goanna)</i>			
857.	25524 <i>Varanus panoptes (Yellow-spotted Monitor)</i>			
858.	25223 <i>Varanus panoptes subsp. rubidus</i>			
859.	25224 <i>Varanus pilbarensis (Pilbara Rock Monitor, Northern Pilbara Rock Goanna)</i>			
860.	25526 <i>Varanus tristis (Racehorse Monitor)</i>			
861.	25227 <i>Varanus tristis subsp. tristis (Racehorse Monitor)</i>			
Veliidae				
862.	<i>Microvelia (Austromicrovelia) peramoena</i>			
863.	<i>Veliidae sp.</i>			
Vespertilionidae				
864.	24186 <i>Chalinolobus gouldii (Gould's Wattled Bat)</i>			
865.	24187 <i>Chalinolobus morio (Chocolate Wattled Bat)</i>			
866.	42365 <i>Nyctophilus daedalus (Northwestern Long-eared Bat, Pallid Long-eared Bat)</i>			
867.	24194 <i>Nyctophilus geoffroyi (Lesser Long-eared Bat)</i>			
868.	24200 <i>Scotorepens greyii (Little Broad-nosed Bat)</i>			
869.	24205 <i>Vespadelus finlaysoni (Finlayson's Cave Bat)</i>			
Zodariidae				
870.	<i>Leptasteron platyconductor</i>			
871.	<i>Masasteron sampeyae</i>			
872.	<i>Masasteron tealei</i>			
873.	<i>Minasteron minusculum</i>			
874.	<i>Spinasteron barlee</i>			
875.	<i>Spinasteron waldockae</i>			

Conservation Codes

T - Rare or likely to become extinct
 X - Presumed extinct
 IA - Protected under international agreement
 S - Other specially protected fauna
 1 - Priority 1
 2 - Priority 2
 3 - Priority 3
 4 - Priority 4
 5 - Priority 5

¹ For NatureMap's purposes, species flagged as endemic are those whose records are wholly contained within the search area. Note that only those records complying with the search criterion are included in the calculation. For example, if you limit records to those from a specific datasource, only records from that datasource are used to determine if a species is restricted to the query area.



EPBC Act Protected Matters Report

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

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

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

Report created: 26/10/21 17:15:08

[Summary](#)

[Details](#)

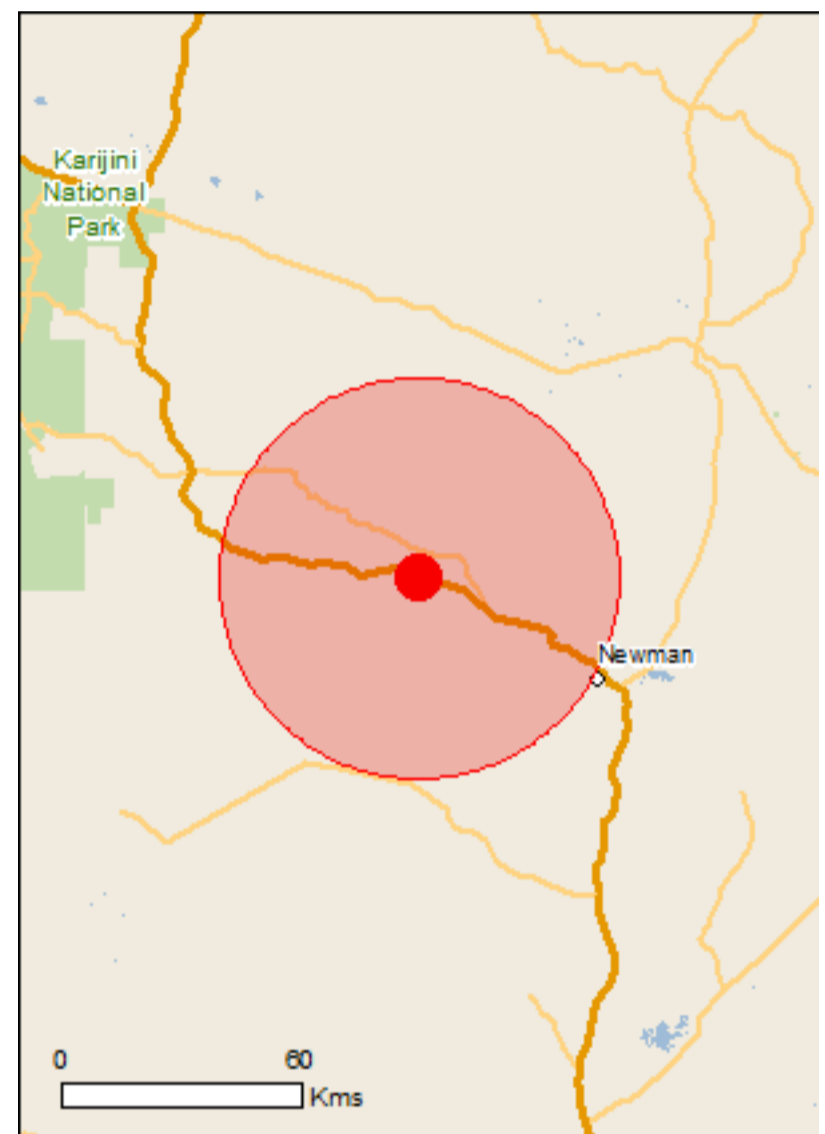
[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

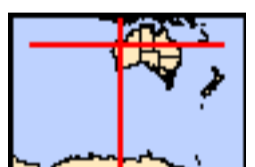
[Acknowledgements](#)



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2015

[Coordinates](#)

Buffer: 50.0Km



Summary

Matters of National Environmental Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	11
Listed Migratory Species:	9

Other Matters Protected by the EPBC Act

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

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

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

Commonwealth Land:	1
Commonwealth Heritage Places:	None
Listed Marine Species:	13
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

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

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

Details

Matters of National Environmental Significance

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Birds		
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat known to occur within area
Pezoporus occidentalis Night Parrot [59350]	Endangered	Species or species habitat likely to occur within area
Polytelis alexandrae Princess Parrot, Alexandra's Parrot [758]	Vulnerable	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area
Mammals		
Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat known to occur within area
Macroderma gigas Ghost Bat [174]	Vulnerable	Species or species habitat likely to occur within area
Macrotis lagotis Greater Bilby [282]	Vulnerable	Species or species habitat may occur within area
Rhinonictoris aurantia (Pilbara form) Pilbara Leaf-nosed Bat [82790]	Vulnerable	Species or species habitat known to occur within area
Plants		
Pityrodia augustensis Mt Augustus Foxglove [4962]	Vulnerable	Species or species habitat likely to occur within area
Reptiles		
Liasis olivaceus barroni Olive Python (Pilbara subspecies) [66699]	Vulnerable	Species or species habitat known to occur within area

Listed Migratory Species [Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Commonwealth Land [\[Resource Information \]](#)

The Commonwealth area listed below may indicate the presence of Commonwealth land in this vicinity. Due to the unreliability of the data source, all proposals should be checked as to whether it impacts on a Commonwealth area, before making a definitive decision. Contact the State or Territory government land department for further information.

Name
Commonwealth Land -

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

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

Name	Threatened	Type of Presence
Birds		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within

Name	Threatened	Type of Presence area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Chrysococcyx osculans Black-eared Cuckoo [705]		Species or species habitat known to occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat may occur within area

Extra Information

Invasive Species

[Resource Information]

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

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Mammals		
Camelus dromedarius Dromedary, Camel [7]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species

Name	Status	Type of Presence
Equus asinus Donkey, Ass [4]		habitat likely to occur within area
Equus asinus Donkey, Ass [4]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Mus musculus House Mouse [120]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Oryctolagus cuniculus Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Vulpes vulpes Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

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

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

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

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

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

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

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

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

Coordinates

-23.14836 119.32934

Acknowledgements

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

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
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- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

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

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Appendix D: Vegetation Classification and Condition Scales, and Fauna Habitat Condition Scale

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Table D.1: Vegetation Classification System Specht (1970) as modified by Aplin (1979).

Stratum	70-100% cover	30-70% cover	10-30% cover	2-10% cover	<2% cover
Trees > 30 m	Tall closed forest	Tall open Forest	Tall woodland	Tall open woodland	Scattered tall trees
Trees 10-30 m	Closed forest	Open forest	Woodland	Open woodland	Scattered trees
Trees < 10 m	Low closed forest	Low open forest	Low woodland	Low open woodland	Scattered low trees
Shrubs > 2 m	Tall closed scrub	Tall open scrub	Tall shrubland	Tall open shrubland	Scattered tall shrubs
Shrubs 1-2 m	Closed heath	Open heath	Shrubland	Open shrubland	Scattered shrubs
Shrubs < 1 m	Low closed heath	Low open heath	Low shrubland	Low open shrubland	Scattered low shrubs
Hummock grasses	Closed hummock grassland	Hummock grassland	Open hummock grassland	Very open hummock grassland	Scattered hummock grasses
Grasses, sedges, herbs	Closed tussock grassland/ sedgeland/ herbland	Tussock grassland/ sedgeland/ herbland	Open tussock grassland/ sedgeland/ herbland	Very open tussock grassland/ sedgeland/ herbland	Scattered tussock grasses /sedges/herbs

Table D.2: Vegetation condition scale as adapted from Trudgen (1988) (Environmental Protection Authority 2016a).

Vegetation condition	Condition description
Excellent	Pristine or nearly so, no obvious signs of damage caused by human activities since European settlement.
Very Good	Some relatively slight signs of damage caused by human activities since European settlement. For example, some signs of damage to tree trunks caused by repeated fire, the presence of some relatively non-aggressive weeds, or occasional vehicle tracks.
Good	More obvious signs of damage caused by human activity since European settlement, including some obvious impact on the vegetation structure such as that caused by low levels of grazing or slightly aggressive weeds.
Poor	Still retains basic vegetation structure or ability to regenerate to it after very obvious impacts of human activities since European settlement, such as grazing, partial clearing, frequent fires or aggressive weeds.
Very Poor	Severely impacted by grazing, very frequent fires, clearing or a combination of these activities. Scope for some regeneration but not to a state approaching good condition without intensive management. Usually with a number of weed species present including very aggressive species.
Completely Degraded	Areas that are completely or almost completely without native species in the structure of their vegetation; i.e. areas that are cleared or 'parkland cleared' with their flora comprising weed or crop species with isolated native trees or shrubs.

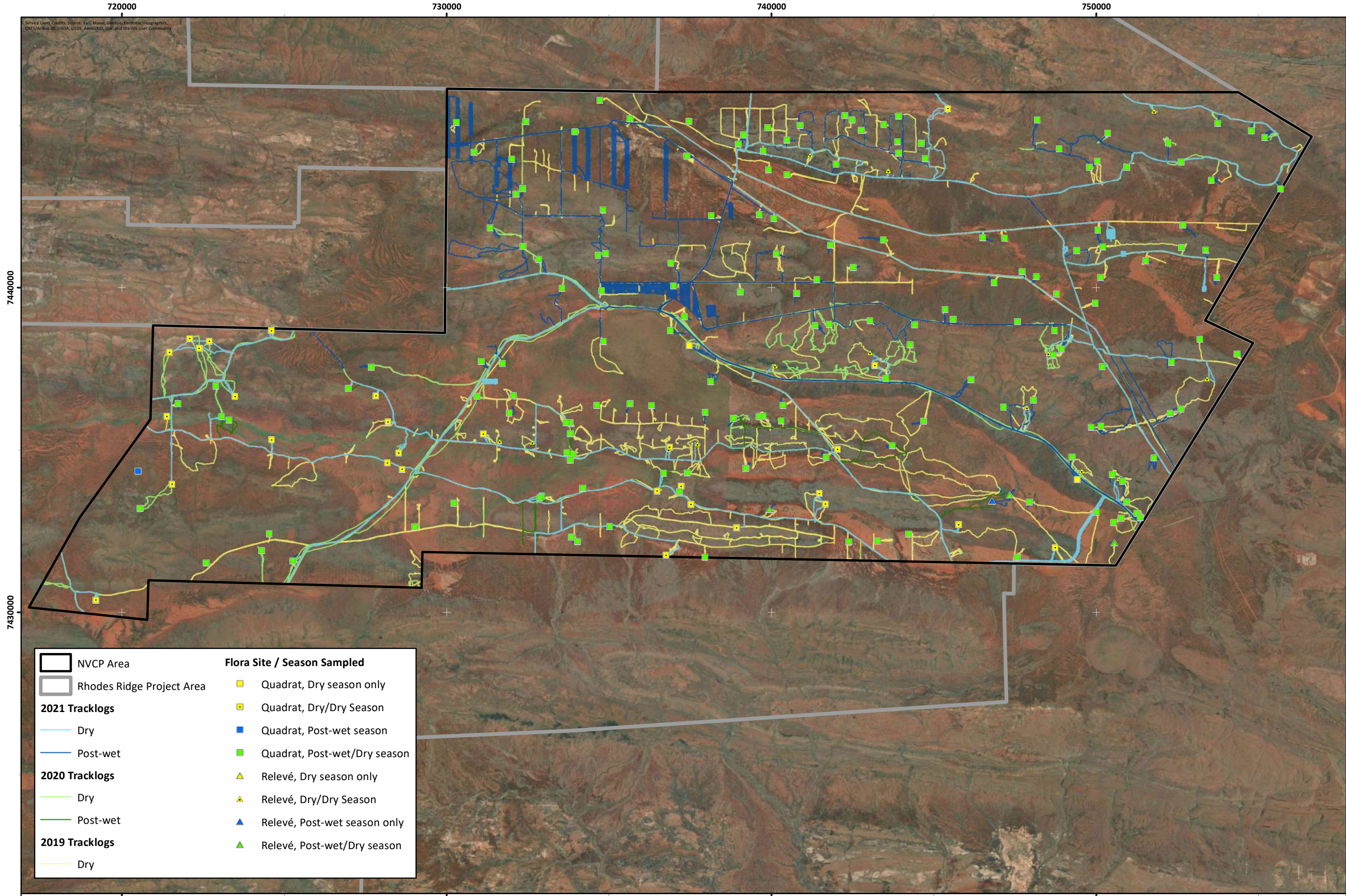
Table D.3: Fauna habitat condition scale (Thompson and Thompson 2010).

Habitat condition	Condition description
High Quality Fauna Habitat	These areas closely approximate the vegetation mix and quality that would have been in the area prior to any human induced disturbance. The habitat has connectivity with other habitats and is likely to support the most natural vertebrate fauna assemblage.
Very Good Fauna Habitat	These areas show minimal signs of human induced disturbance (e.g. grazing, clearing, fragmentation, weeds) and retain almost all of the characteristics of the habitat had it not been disturbed. The habitat has connectivity with other habitats, and fauna assemblages in these areas are likely to be minimally effected by disturbance.
Good Fauna Habitat	These areas show signs of human induced disturbance (e.g. grazing, clearing, fragmentation, weeds) but generally retain many of the characteristics of the habitat had it not been disturbed. The habitat still retains some connectivity with other habitats but fauna assemblages in these areas are likely to be affected by disturbance. Fauna assemblages in these areas are likely to be similar to what might be expected in this habitat.
Disturbed Fauna Habitat	These areas show signs of human induced significant disturbance (e.g. mining, clearing, tracks and roads). Many of the trees, shrubs and undergrowth have died or have been cleared. These areas may be in the early succession and regeneration stages. Areas may show signs of significant grazing, contain an abundance of weeds or have been damaged by vehicles or machinery. Habitats are fragmented or have limited connectivity with other fauna habitats. Fauna assemblages in these areas are likely to differ significantly from what might be expected in the area had the disturbance not occurred.
Highly Degraded Fauna Habitat	These areas often have a significant human induced loss of vegetation, and/or a large number of vehicle tracks and / or have been completely cleared, and/or areas have been heavily grazed or farmed. There is limited or no fauna habitat connectivity. Fauna assemblages in these areas are likely to differ significantly from what existed prior to the disturbance, and are often depleted compared to what existed prior to the disturbance.

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Appendix E: Survey Effort

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Rio Tinto
 Rhodes Ridge NVCP, Flora

Figure E.1: Survey Effort (Flora)

Author: L. Dadour

Drawn: C. Dyde

Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_FigE1_Effort

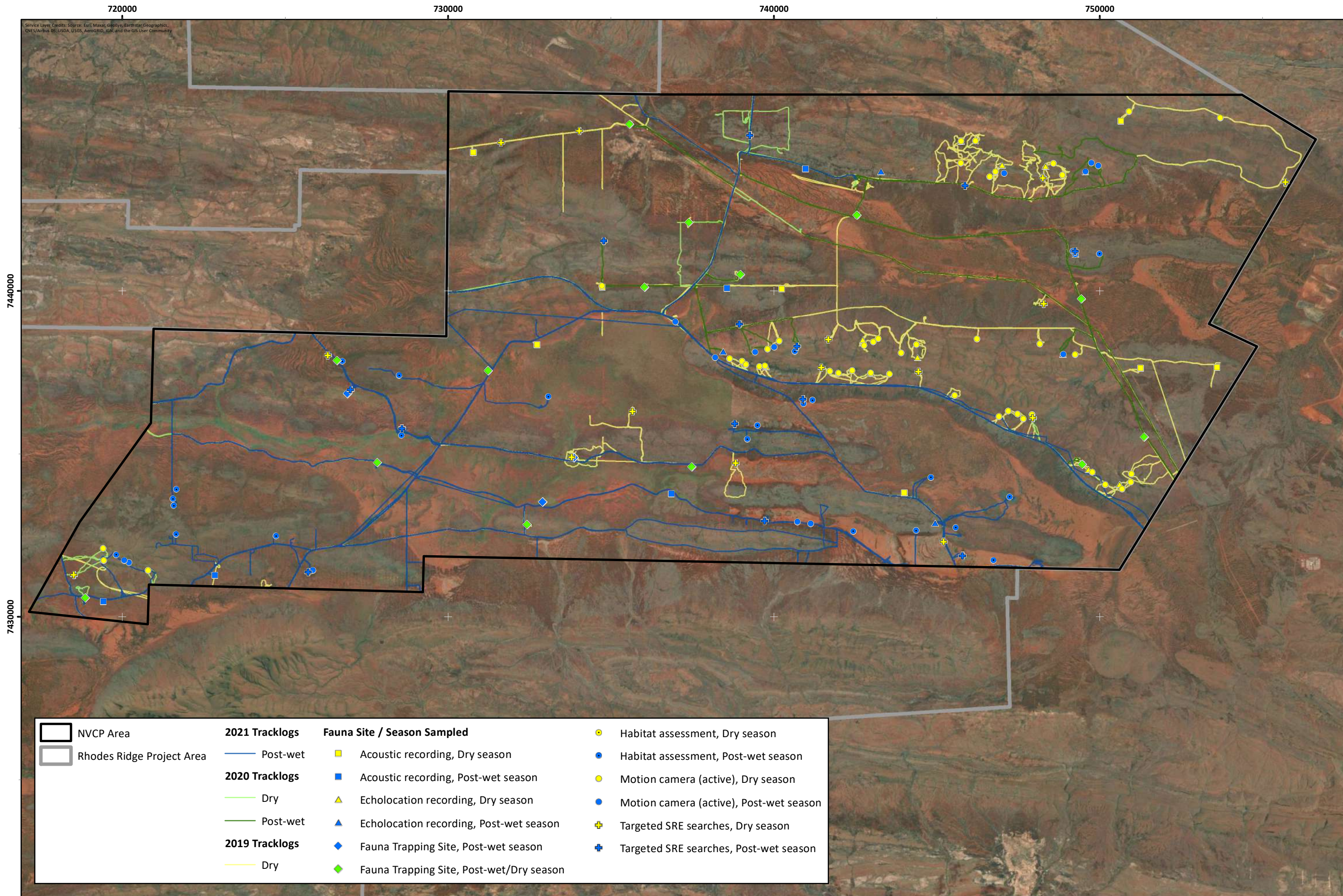






















Table E.1: Fauna sampling locations





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition [^]	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
BR6	749469	7434677	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Breakaway	1	Roads	South facing, rocky outcrops, caves, overhangs, logs, tree hollows, crevices, thick undergrowth, leaf litter	
CP2	742553	7442322	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Clay Plain (non cracking)	0.8	Drill lines, roads, weeds	Logs, tree hollows, tick undergrowth, soft soil (burrows), leaf litter, termite mounds	
CP8	731235	7437551	Trapping grid	20/08/2019 – 27/08/2019 (dry) 03/03/2021 – 10/03/2021 (wet)	Clay Plain (non cracking)	0.8	Grazing, weeds	Logs, tree hollows, thick undergrowth, soft soil (burrows), old tridonia, leaf litter, termite mounds	
CP23	727834	7434735	Trapping grid	12/08/2020 – 19/08/2020 (dry) 07/05/2021 – 14/05/2021 (wet)	Clay Plain (non cracking)	0	Grazing, drill lines, roads, weeds	Logs, tree hollows, thick undergrowth, soft soil (burrows), old tridonia, leaf litter, termite mounds	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CP60	733871	7434886	Trapping grid	05/03/2021 – 12/03/2021	Clay Plain (cracking)	1	Weeds	Thick undergrowth, soft soil (burrows), leaf litter	
CP61	732912	7433521	Trapping grid	05/03/2021 – 12/03/2021	Clay Plain (cracking)	1	Weeds	Thick undergrowth, soft soil (burrows)	
CP62	726915	7436846	Trapping grid	06/05/2021 – 13/05/2021	Clay Plain (cracking)	1	Weeds	Crevices, thick undergrowth, soft soil (burrows), old triodia, termite mounds	
LHS1	736040	7440108	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Low Hills and Slopes	0.6	Drill lines, roads	Logs, tree hollows, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
LHS7	751369	7435515	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Low Hills and Slopes	0.8	Grazing, roads	Logs, rocky outcrops, soft soil (burrows), leaf litter	
MID41	735577	7445113	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Minor Drainage Line	0.8	Grazing, drill lines, roads, weeds	Logs, tree hollows, thick undergrowth, soft soil (burrows), old triodia, leaf litter	
MW3	737401	7442100	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Mulga Woodland	1	Drill lines, roads	Logs, tree hollows, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
MW5	749442	7439753	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Mulga Woodland	1	Drill lines, roads, weeds	Moist, logs, tree hollows, thick undergrowth, soft soils (burrows), leaf litter, termite mounds	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
MW22	726593	7437863	Trapping grid	12/08/2020 – 19/08/2020 (dry) 07/05/2021 – 14/05/2021 (wet)	Mulga Woodland	0	Drill lines, weeds	Logs, tree hollows, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
RH4	738984	7440505	Trapping grid	31/07/2019 – 07/08/2019 (dry) 11/03/2020 – 18/03/2020 (wet)	Rocky Hill	1	None	Crevices, thick undergrowth, old triodia, leaf litter	
RH10	732431	7432829	Trapping grid	20/08/2019 – 27/08/2019 (dry) 03/03/2021 – 10/03/2021 (wet)	Rocky Hill	1	Drill lines	Tree hollows, crevices, thick undergrowth, rock piles, old triodia, leaf litter	
SP9	737486	7434602	Trapping grid	20/08/2019 – 27/08/2019 (dry) 03/03/2021 – 09/03/2021 (wet)	Stony Plain	1	Drill lines, weeds	Logs, tree hollows, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
SP45	718870	7430577	Trapping grid	12/08/2020 – 19/08/2020 (dry) 07/05/2021 – 14/05/2021 (wet)	Stony Plain	0	Drill lines	Logs, crevices, soft soil (burrows), old triodia	
HA3	749999	7441140	Habitat assessment	13/03/2020	Rocky Hill	1	None	Crevices, thick undergrowth, old triodia, leaf litter	
HA4	742556	7442306	Habitat assessment	14/03/2020	Clap Plain (non cracking)	1	Drill lines, weeds	Logs, tree hollows, thick undergrowth, soft soil (burrows), leaf litter, termite mounds	
HA5	740646	7438148	Habitat assessment	15/03/2020	Gorge/gully	1	None	Caves, overhangs, logs, tree hollows, crevices, thick undergrowth, rock piles, old triodia, leaf litter	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
HA6	740906	7436545	Habitat assessment	16/03/2020	Clay Plain (non cracking)	0.8	None	Logs, crevices, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
HA7	741185	7436652	Habitat assessment	16/03/2020	Mulga Woodland	1	Roads, weeds	Moist, logs, tree hollows, crevices, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
HA8	734785	7441536	Habitat assessment	17/03/2020	Minor Drainage Line	1	Grazing, weeds	Logs, tree hollows, thick undergrowth, soft soil (burrows), leaf litter	
HA12	747925	7436207	Habitat assessment	18/10/2020	Gorge/gully	1	Weeds	South facing, moist, caves, overhangs, logs, tree hollows, crevices, thick undergrowth, leaf litter	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
HA16	742435	7432625	Habitat assessment	04/03/2021	Clay Plain (non cracking)	1	Roads	Soft soil (burrows), termite mounds	
HA17	733073	7436761	Habitat assessment	10/03/2021	Clay Plain (non cracking)	1	None	Tree hollows, termite mounds	
HA24	739492	7435876	Habitat assessment	10/03/2021	Stony Plain	1	None	Logs, tree hollows, crevices, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
HA25	739188	7435452	Habitat assessment	10/03/2021	Low Hills and Slopes	1	Drill lines	Logs, tree hollows, old triodia, leaf litter	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
HA45	746737	7431738	Habitat assessment	13/04/2021	Clay Plain (non-cracking)	0.8	Roads	Soft soil (burrows), termite mounds	
HA51	744817	7434282	Habitat assessment	13/04/2021	Clay Plain (non-cracking)	1	Weeds	Moist, logs, tree hollows, thick undergrowth, soft soil (burrows), leaf litter, termite mounds	
HA52	745584	7432744	Habitat assessment	13/04/2021	Low Hills and Slopes	0.8	Roads	Logs, crevices, rock piles	
HA58	747239	7433679	Habitat assessment	14/04/2021	Clay Plain (cracking)	1	None	Moist, logs, tree hollows, crevices, thick undergrowth, soft soil (burrows), pools, leaf litter	



Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
HA65	744369	7432648	Habitat assessment	17/04/2021	Low Hills and Slopes	1	None	Soft soil (burrows), old triodia, leaf litter	
HA74	719810	7431909	Habitat assessment	09/05/2021	Low Hills and Slopes	1	None	Old triodia	
HA79	726758	7437843	Habitat assessment	11/05/2021	Mulga Woodland	0.8	Weeds	Logs, leaf litter, termite mounds	
HA83	728503	7437411	Habitat assessment	11/05/2021	Stony Plain	1	Roads	Rock piles, leaf litter, termite mounds	




Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
HA84	721651	7432533	Habitat assessment	07/05/2021	Low Hills and Slopes	1	Drill lines	Old triodia, leaf litter, termite mounds	
HA90	724725	7432479	Habitat assessment	12/05/2021	Low Hills and Slopes	1	Drill lines	Logs, tree hollows, thick undergrowth, old triodia, leaf litter	
HA91	728569	7435572	Habitat assessment	12/05/2021	Clay Plain (non cracking)	1	Drill lines, weeds	Logs, tree hollows, crevices, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
HA98	721665	7433918	Habitat assessment	09/05/2021	Mulga Woodlands	1	Weeds	Logs, tree hollows, crevices, thick undergrowth, old triodia, leaf litter, termite mounds	


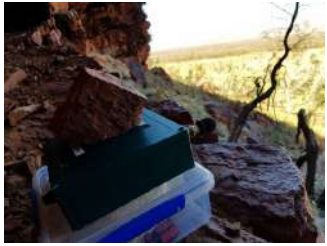


Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
HA99	721580	7433419	Habitat assessment	09/05/2021	Low Hills and Slopes	1	None	Crevices, thick undergrowth, rock piles, old triodia, leaf litter	
HA100	721560	7433619	Habitat assessment	09/05/2021	Mulga Woodland	1	Weeds	Logs, tree hollows, crevice, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
AU1	740245	7440068	Acoustic recording	01/08/2019 – 08/08/2019	Stony Plain	0.8	Grazing, drill lines	Thick undergrowth, old triodia, leaf litter, termite mounds	
AU2	734738	7440115	Acoustic recording	02/08/2019 – 08/08/2019	Stony Plain	0.8	Roads	Thick undergrowth, old triodia, leaf litter, termite mounds	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
AU3	732727	7438350	Acoustic recording	21/08/2019 – 28/08/2019	Stony Plain	1	Drill lines	Logs, tree hollows, thick undergrowth, old triodia, leaf litter	
AU6	750655	7445216	Acoustic recording	16/07/2019 – 29/08/2019	Low Hill and Slopes	1	None	Tree hollows, leaf litter	
AU8	751257	7437631	Acoustic recording	21/07/2019 – 25/08/2019	Low Hill and Slopes	1	None	Leaf litter	
AU11	730778	7444253	Acoustic recording	25/10/2019 – 24/11/2019	Low Hill and Slopes	1	Drill lines	Thick undergrowth, leaf litter, termite mounds	



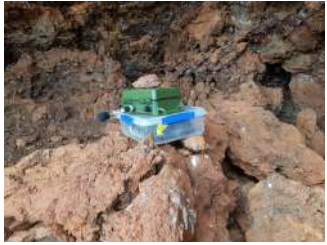

Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
AU14	753605	7437654	Acoustic recording	25/10/2019 – 17/11/2019	Low Hill and Slopes	1	None	Tree hollows, thick undergrowth, leaf litter, termite mounds	
AU16	744005	7433810	Acoustic recording	10/11/2019 – 17/11/2019	Stony Plain	0.8	Grazing	Logs, old triodia, termite mounds	
AU17	740973	7443749	Acoustic recording	12/03/2020 – 15/04/2020	Low Hill and Slopes	1	Drill lines	Logs, tree hollows, thick undergrowth, soft soils (burrows), old triodia, leaf litter, termite mounds	
AU18	738566	7440081	Acoustic recording	11/03/2020 – 06/04/2020	Rocky Hill	1	Drill lines	Logs, crevices, thick undergrowth, old triodia, leaf litter	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
AU25	736856	7433768	Acoustic recording	04/03/2021 – 11/03/2021	Stony Plain	1	Weeds	Logs, tree hollows, soft soil (burrows), old triodia, leaf litter, termite mounds	
AU31	719422	7430465	Acoustic recording	07/05/2021 – 15/05/2021	Stony Plain	1	None	Logs, undergrowth, thick old triodia, leaf litter, termite mounds	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
AU32	722847	7431278	Acoustic recording	07/05/2021 – 15/05/2021	Stony Plain	0.8	Drill lines	Old triodia, leaf litter, termite mounds	
BAT2	750613	7434069	Echolocation recording	28/06/2019 – 02/07/2019	Gorge/gully	1	None	Rocky outcrops, overhangs, crevices, semi-permanent water, rock piles, leaf litter	
BAT3	749659	7434519	Echolocation recording	27/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, crevices	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
BAT4	739774	7437674	Echolocation recording	28/06/2019 – 02/07/2019	Breakaway	1	None	Overhangs, crevices	
BAT5	742978	7437474	Echolocation recording	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, overhangs, crevices	
BAT6	742728	7438500	Echolocation recording	01/08/2019 – 04/08/2019	Gorge/gully	1	None	Rocky outcrops, crevices	
BAT7	748345	7443827	Echolocation recording	31/07/2019 – 08/08/2019	Gorge/gully	1	None	Rocky outcrops, caves, overhangs	




Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
BAT8	744416	7437955	Echolocation recording	01/08/2019 – 08/08/2019	Gorge/gully	1	None	Rocky outcrops, caves, overhangs, rock piles	
BAT9	745748	7444594	Echolocation recording	02/08/2019 – 08/08/2019	Gorge/gully	1	None	Overhangs, crevices, leaf litter	
BAT10	747010	7443864	Echolocation recording	02/08/2019 – 09/09/2019	Rocky Hill	1	None	Rocky outcrops, crevices, rock piles	
BAT42	738447	7438134	Echolocation recording	11/03/2020 – 22/03/2020	Breakaway	1	None	Moist, rocky outcrops, overhangs, crevices	


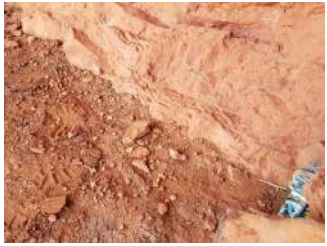

Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
BAT43	749562	7443657	Echolocation recording	12/03/2020 – 17/03/2020	Rocky Hill	1	None	Rocky outcrops, caves, overhangs, tree hollows, thick undergrowth, leaf litter	
BAT44	748871	7438056	Echolocation recording	14/03/2020 – 21/03/2020	Gorge/gully	1	None	Overhangs, logs, tree hollows, crevices, thick undergrowth, leaf litter	
BAT45	749255	7441130	Echolocation recording	13/03/2020 – 19/03/2020	Gorge/gully	1	None	Overhangs, tree hollows, crevices, thick undergrowth, old triodia, leaf litter	
BAT46	743288	7443654	Echolocation recording	16/03/2020 – 17/03/2020	Breakaway	1	Drill lines	Caves	




Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
BAT70	744954	7432870	Echolocation recording	16/04/2021 – 21/04/2021	Low Hills and Slopes	1	Weeds	Overhangs, crevices, thick undergrowth, leaf litter	
CAM2	747478	7436225	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, crevices, rock piles	
CAM3	750690	7433923	Motion camera (active)	28/06/2019 – 02/07/2019	Rocky Hill	1	None	Rocky outcrops, crevices, rock piles	
CAM4	747197	7436314	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, crevices, rock piles	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM5	745548	7436794	Motion camera (active)	28/06/2019 – 02/07/2019	Rocky Hill	1	None	Rocky outcrops, overhangs, crevices, rock piles	
CAM6	750170	7434057	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	Rocky outcrops, crevices, rock piles	
CAM7	750954	7434137	Motion camera (active)	28/06/2019 – 02/07/2019	Gorge/gully	1	None	South facing, rocky outcrops, overhangs, crevices, rock piles	
CAM8	747659	7436076	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, crevices, rock piles	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM9	746908	7436146	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, crevices, rock piles	
CAM10	739554	7437681	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, moist, overhangs, crevices	
CAM11	742402	7437563	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, overhangs, crevices	
CAM12	749460	7434706	Motion camera (active)	27/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, crevices	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM13	738640	7437921	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, moist, overhangs	
CAM14	741717	7437539	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	Rocky outcrops, crevices, leaf litter	
CAM15	739724	7437702	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, moist, overhangs, leaf litter	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM16	741985	7437476	Motion camera (active)	28/06/2019 – 02/07/2019	Gorge/gully	0.8	None	Rocky outcrops, overhangs, crevices	
CAM17	742971	7437487	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, crevices	
CAM18	749769	7434436	Motion camera (active)	27/06/2019 – 02/07/2019	Breakaway	1	None	South facing, rocky outcrops, overhangs, rock piles	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM19	739023	7437839	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, moist, overhangs, crevices	
CAM20	743547	7437456	Motion camera (active)	28/06/2019 – 02/07/2019	Gorge/gully	1	None	Overhangs, pools, leaf litter	
CAM21	739140	7437747	Motion camera (active)	28/06/2019 – 02/07/2019	Breakaway	1	None	South facing, moist, overhangs	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM22	740164	7438467	Motion camera (active)	30/07/2019 – 08/08/2019	Gorge/gully	1	None	Rocky outcrops, overhangs, crevices, leaf litter	
CAM23	734720	7440155	Motion camera (active)	02/08/2019 – 08/08/2019	Low Hill and Slopes	1	Roads	Logs, thick undergrowth, soft soil (burrows), old triodia, leaf litter, termite mounds	
CAM24	746231	7438529	Motion camera (active)	01/08/2019 – 08/08/2019	Rocky Hill	1	None	Rocky outcrops, overhangs, crevices, rock piles	
CAM25	739810	7438217	Motion camera (active)	30/07/2019 – 08/08/2019	Gorge/gully	1	None	Overhangs, crevices, leaf litter	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM26	743202	7438539	Motion camera (active)	01/08/2019 – 08/08/2019	Gorge/gully	1	None	Caves, overhangs, crevices, rock piles, leaf litter	
CAM27	745740	7443926	Motion camera (active)	02/08/2019 – 08/08/2019	Breakaway	0.6	Drill lines, roads, rehabilitation	Rocky outcrops, overhangs	
CAM28	746622	7443503	Motion camera (active)	02/08/2019 – 08/08/2019	Rocky Hill	1	None	Rocky outcrops, overhangs, crevices, rock piles	
CAM29	748264	7443469	Motion camera (active)	31/07/2019 – 08/08/2019	Gorge/gully	1	None	Moist, overhangs, pools, semi-permanent water, rock piles, leaf litter	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM30	742769	7438332	Motion camera (active)	01/08/2019 – 08/08/2019	Gorge/gully	1	None	Rocky outcrops, caves, overhangs, crevices, leaf litter	
CAM31	745749	7444598	Motion camera (active)	02/08/2019 – 08/08/2019	Gorge/gully	1	None	Crevices, leaf litter	
CAM32	749244	7438044	Motion camera (active)	30/07/2019 – 08/08/2019	Rocky Hill	1	Drill lines	South facing, rocky outcrops, overhangs, rock piles	
CAM33	744379	7438358	Motion camera (active)	01/08/2019 – 08/08/2019	Gorge/gully	1	None	Caves, overhangs, crevices, semi-permanent water, rock piles	





Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM34	746802	7443656	Motion camera (active)	02/08/2019 – 08/08/2019	Gorge/gully	1	None	Overhangs, tree hollows, crevices, pools, leaf litter	
CAM35	750969	7434382	Motion camera (active)	01/08/2019 – 08/08/2019	Gorge/gully	1	None	Rocky outcrops, overhangs, logs, rock piles	
CAM36	746190	7444605	Motion camera (active)	02/08/2019 – 08/08/2019	Gorge/gully	0.8	Drill lines	Caves, overhangs, tree hollows, crevices, thick undergrowth	
CAM37	748585	7443913	Motion camera (active)	31/07/2019 – 08/08/2019	Gorge/gully	0.8	None	Rocky outcrops, overhangs, tree hollows	



Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM38	743905	7438104	Motion camera (active)	01/08/2019 – 08/08/2019	Gorge/gully	1	None	Caves, overhangs	
CAM39	743048	7438437	Motion camera (active)	01/08/2019 – 08/08/2019	Gorge/gully	1	None	Rocky outcrops, overhangs, crevices	
CAM40	748853	7443560	Motion camera (active)	31/07/2019 – 08/08/2019	Gorge/gully	1	None	Overhangs	
CAM41	748163	7438377	Motion camera (active)	30/07/2019 – 08/08/2019	Rocky Hill	1	None	South facing, rocky outcrops, overhangs, rock piles	




Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM73	750904	7445505	Motion camera (active)	17/07/2019 – 23/10/2019	Low Hill and Slopes	1	None	Rocky outcrops, overhangs, crevices	
CAM87	753704	7445309	Motion camera (active)	17/07/2019 – 23/10/2019	Minor Drainage Line	0.8	None	Tree hollows, pools, leaf litter	
CAM148	740010	7438279	Motion camera (active)	11/03/2020 – 08/06/2020	Breakaway	0.8	None	Rocky outcrops, caves, overhangs, crevices	
CAM149	749566	7443659	Motion camera (active)	12/03/2020 – 07/06/2020	Rocky Hill	0.8	None	Rocky outcrops, overhangs, tree hollows, crevices, thick undergrowth	

Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM150	749181	7441224	Motion camera (active)	13/03/2020 – 07/06/2020	Breakaway	0.8	Drill lines	Overhangs, logs, tree hollows, crevices, thick undergrowth	
CAM151	749747	7443933	Motion camera (active)	12/03/2020 – 07/06/2020	Breakaway	1	None	Rocky outcrops, caves, overhangs, crevices	
CAM152	738195	7437956	Motion camera (active)	11/03/2020 – 08/06/2020	Drainage Culvert within Low Hills and Slopes	1	Roads, rubbish, weeds	Moist, overhangs, tree hollows, crevices	
CAM153	748882	7438054	Motion camera (active)	14/03/2020 – 08/06/2020	Gorge/gully	1	None	Rocky outcrops, overhangs, tree hollows, crevices, thick undergrowth, leaf litter	

Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM154	749956	7443844	Motion camera (active)	12/03/2020 – 07/06/2020	Rocky Hill	0.8	Drill lines	Rocky outcrops, caves, overhangs, crevices	
CAM155	749254	7441121	Motion camera (active)	13/03/2020 – 07/06/2020	Breakaway	0.8	Drill lines	Overhangs, crevices, thick undergrowth, leaf litter	
CAM156	739422	7438132	Motion camera (active)	11/03/2020 – 08/06/2020	Breakaway	0.6	None	Rocky outcrops, overhangs, crevices	
CAM157	747066	7443615	Motion camera (active)	12/03/2020 – 07/06/2020	Rocky Hill	1	Drill lines	Caves, overhangs, logs, tree hollows, crevices, leaf litter	

Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM159	719415	7432097	Motion camera (active)	14/08/2020 – 20/08/2020	Breakaway	0.8	None	Overhangs, crevices	
CAM162	719427	7431728	Motion camera (active)	14/08/2020 – 20/08/2020	Breakaway	0.8	None	Caves, overhangs	
CAM165	720788	7431425	Motion camera (active)	14/08/2020 – 20/08/2020	Breakaway	0.8	Drill lines	Rocky outcrops, caves, overhangs, crevices	
CAM183	741136	7432852	Motion camera (active)	05/03/2021 – 09/03/2021	Clay Plain (non-cracking)	0.8	Drill lines	Moist, soft soil (burrows), semi-permanent water, termite mounds	

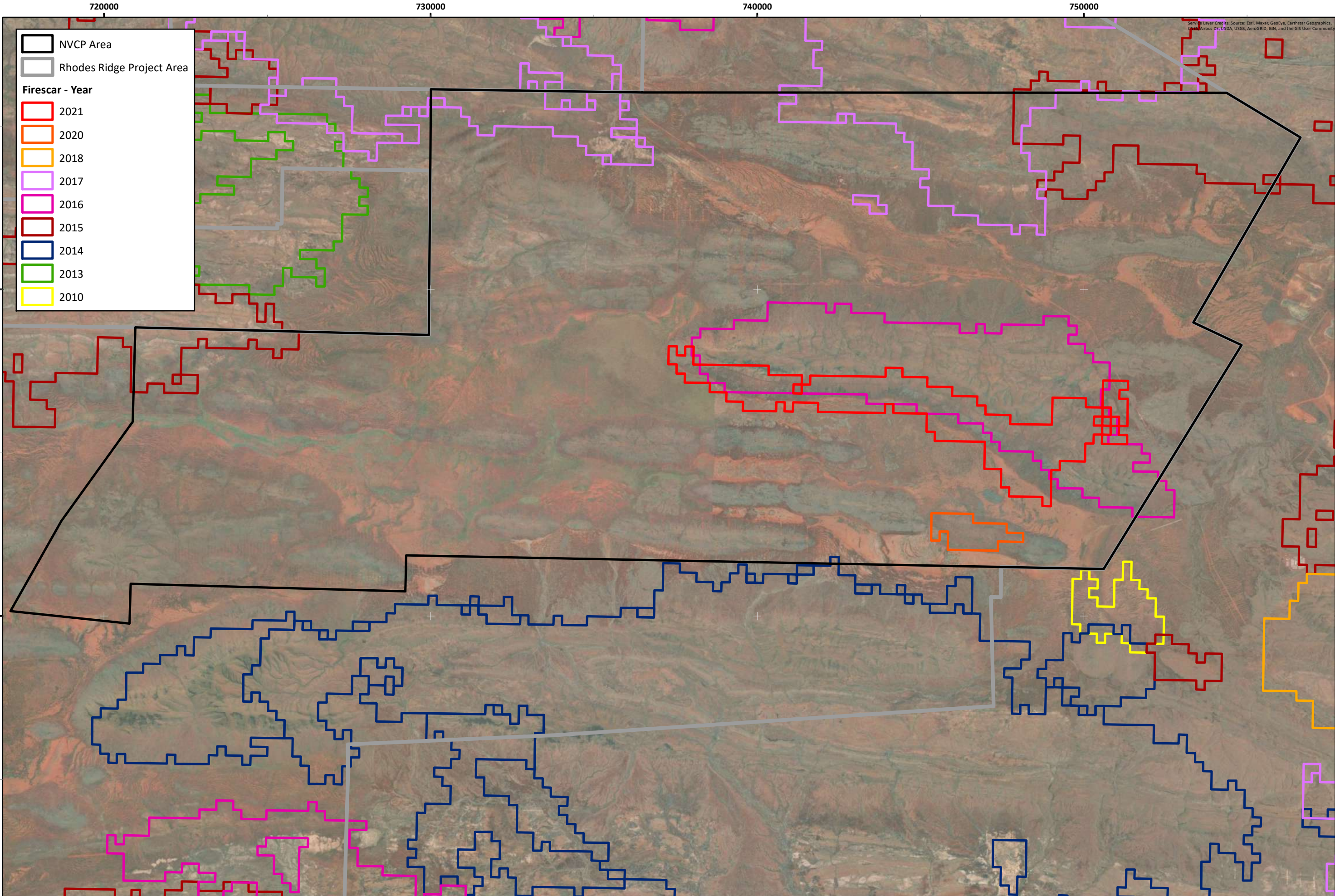
Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM184	740721	7432908	Motion camera (active)	05/03/2021 – 09/03/2021	Clay Plain (non-cracking)	0.2	Drill lines	Pools, leaf litter	
CAM187	725851	7431426	Motion camera (active)	06/03/2021 – 09/03/2021	Mulga Woodland	0.6	Drill lines	Logs, soft soil (burrows)	

Site ID	MGA Zone 50K		Sampling method	Date	Habitat	Condition^	Disturbance	Microhabitats	Photograph
	Easting (mE)	Northing (mN)							
CAM212	720204	7431661	Motion camera (active)	09/05/2021 – 15/05/2021	Gorge/gully	1	None	Moist, crevices, pools, semi-permanent water, rock piles	
CAM215	736983	7439050	Motion camera (active)	09/05/2021 – 12/05/2021	Side of Highway within Mulga Woodland	0.2	Grazing, roads, weeds	Soft soil (burrows)	
CAM217	720065	7431725	Motion camera (active)	09/05/2021 – 15/05/2021	Gorge/gully	1	None	Moist, rocky outcrops, overhangs, logs, tree hollows, crevices, semi-permanent water	

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Appendix F: Fire Mapping

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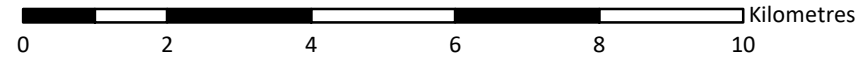
Rio Tinto
Rhodes Ridge NVCP, Flora

Appendix F.1: Fire mapping

Author: L. Dadour

Drawn: C. Dyde

Scale: 1:105,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_AppF1_Burn

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**Appendix G: Threatened and Priority Flora and Fauna Species
Likelihood of Occurrence**

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Table G.1: Likelihood of occurrence of significant flora recorded within 50 km of the survey area (Protected Matters Search Tool (Department of Agriculture, Water and the Environment 2021a), Threatened and Priority Flora Database (Department of Biodiversity, Conservation and Attractions 2021b), WA Herbarium Flora Database (Department of Biodiversity, Conservation and Attractions 2021c), NatureMap (Department of Biodiversity, Conservation and Attractions 2021e) and Rio Tinto Database Custom Search (Rio Tinto 2021b)).

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
Threatened					
<i>Pityrodia augustensis</i> (EPBC: VU)	Bushy shrub to 1 m high. Flowers purple-red, August to September.	Perennial	Amongst rocks on slopes, or in drainage lines. Sandstone substrate or yellow brown sandy loam over granite.	>200	Unlikely
Priority 1					
<i>Calotis squamigera</i>	Procumbent herb, to 0.25 m high. Prostrate radiating branches, leaves light to mid green. Flowers yellow, July.	Annual	Pebbly/stony red brown loam, poorly defined flowline on plain.	44.8	Unlikely
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109)	Tussock-forming grass-like or herb with woolly base, to 0.3 m high. Flowers September.	Perennial	Red-brown skeletal soils, ironstone. Steep slopes, summits. Found within <i>Eucalyptus</i> mallee shrubs and <i>Acacia</i> spp. Over hummock grasses.	30.5	Recorded (Current survey)
<i>Eremophila</i> sp. West Angelas (S. van Leeuwen 4068)	Erect-branched spindly whip shrub with narrow leaves to 3 m high. Flowers purple, September to October.	Perennial	Very steep rocky hillslopes and ridges of brown silty loam. Breakaways, skeletal red gritty soil over massive banded iron. Mulga bands in clay soils between rocky ridges.	2.8	Unlikely
<i>Goodenia pedicellata</i>	Single stemmed herb with dense cottony and strigose hairs, to 0.25 m high. Flowers yellow, June.	Perennial	Open exposed sites with scattered sparse shrubs on rocky slopes and crests of low hills.	8.3	Unlikely
<i>Hibiscus</i> sp. Mt Brockman (E. Thoma ET 1354)	Shrub, to 3 m high. Flowers purple/mauve, February to August.	Perennial	Hill summit, gorge, sheltered or rocky drainage lines below associated cliff-lines or rocky ridges. Red brown sand, skeletal soils.	32.4	Unlikely

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Lindernia</i> sp. Pilbara (M.N. Lyons & L. Lewis FV 1069)	No Information Available.	Annual or short-liver perennial. Sometimes aquatic.	Clay pans, lower slope of dune, riparian slope at water's edge, berm on eastern edge of wetland.	42.5	Unlikely
<i>Myriocephalus scalpellus</i>	Prostrate to semi-erect herb, 0.03 m to 0.08 m high. Flowers yellow-white, July to September.	Annual	Depression on flood plain. Clay soils. Sandy clays and loams around clay pan.	42.3	Unlikely
<i>Rorippa</i> sp. Fortescue Valley (M.N. Lyons & R.A. Coppen FV 0760)	No Information Available	Annual	Riparian slope at water's edge.	42.5	Unlikely
<i>Synostemon hamersleyensis</i>	Small divaricate subshrub to 1 m high. Glabrous, perennial woody rootstock. Flowers August to November.	Perennial	Steep scree slope below banded iron formation cliff line with brown sandy loam soil, skeletal ironstone. Breakaway formations and rocky outcrops of incised gully systems. Occurs most commonly at 500 m to 700 m altitude.	44.4	Unlikely
<i>Triodia</i> sp. Karijini (S. van Leeuwen 4111)	Wispy hummock grass 0.6 m to 1 m tall. Non-resinous to weakly resinous, soft-type foliage. Flowers September.	Perennial	Summits or Mid to upper steep slopes, ridgelines, skeletal soils. On or near outcropping ironstone.	28.9	Unlikely
<i>Vittadinia</i> sp. Coondewanna Flats (S. van Leeuwen 4684)	Erect-branched herb or subshrub to 1 m high. Flowers cream, July.	Short-lived perennial	Major drainage/floodplain in valley between ranges. Flat plain, clays, cracking clay, gilgai, low in landscape, red sandy clay loam with some stone. Dark reddish brown sandy loam.	0	Recorded (DBCA 2021b)

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
Priority 2					
<i>Aristida lazaridis</i>	Densely tufted grass, 0.4 m to 1.5 m high. Leaf-blade surface scaberulous. Flowers in April.	Perennial	Sand, loam, clayey soils. Plains, ironstone hills.	0	Recorded (Current survey, Rio Tinto 2021b)
<i>Cladium procerum</i>	Densely tufted grass-like or herb (sedge) to 2 m high. Nodding inflorescences. Flowers brown, July, October, November.	Perennial	Perennial streams and pond edges. Along streams in deep gorges of Hamersley Range.	20.5	Unlikely
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i>	Spreading procumbent herb, to 0.1 m high. Flowers May and August (Halford, D.A. and Harris W.K, 2012)	Short-lived Perennial	Cracking clay (gilgai) flats and depressions. Heavy clay soils on open plains or gently slopes (Halford, D.A. and Harris W.K, 2012)	0	Recorded (Current survey)
<i>Euphorbia inappendiculata</i> var. <i>queenslandica</i>	Spreading, much-branched, procumbent herb to 0.3m long. Leaves opposite, petiolate, obovate, very small sinuate-denticulate and glabrous. Flowers and fruits have been collected throughout the year (Halford, D.A. and Harris W.K, 2012).	Short-lived Perennial	Dark reddish brown clay or loam. Cracking clay (gilgai) flats and depressions. Quartzite.	4.0	Unlikely
<i>Hibiscus</i> sp. Gurinbidy Range (M.E. Trudgen MET 15708)	Spindly upright shrub to 3 m high. Flowers May to July.	Perennial	Near summit of hill, high in landscape, skeletal red-brown stony soil over massive ironstone of the Brockman Iron Formation. Sheltered or rocky drainage lines below cliffs.	0	Recorded (Current survey)
<i>Ipomoea racemigera</i>	Pilose creeping herb or climber. Ovate leaves, glabrous upper surface. Flowers white, March to August.	Annual	Flats with brown silty loam soil, major drainage. Creek lines. Sandy soils along watercourses.	0	Recorded (Current survey)

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Isotropis parviflora</i>	Shrub, 0.1 m high. Flowers white/pink, March.	Perennial	Valley slope of ironstone plateau. Hillslopes. Associated with mallee on slopes or hard spinifex on ironstone.	0	Recorded (Current survey, DBCA 2021b, Rio Tinto 2021b)
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725)	Small, trailing or tufted, three leaved herb. Leaves with purplish underside. Flowers yellow, May to September.	Annual or short-lived Perennial	In gullies and on gully walls. Shaded areas around rock outcrops and gullies.	0	Recorded (Current survey, DBCA 2021b)
<i>Rhodanthe frenchii</i>	Upright herb to 0.35 m high. Flowers yellow, August to October.	Annual	Stony hills, rocky riverbanks and outcrops.	37.2	Unlikely
<i>Tetratheca fordiana</i>	Dwarf shrub, with large obvious hairs on stem, to 0.4 m high. Flowers pink, June to July, September.	Perennial	Cliff faces, crests, ridges and outcrops in upper rocky ironstone ridgelines, skeletal soil. Shale pocket amongst ironstone, high in landscape.	40.5	Unlikely
<i>Teucrium pilbaranum</i>	Upright shrub, 0.2 m high. Flowers white, May or September.	Perennial	Clay. Crab hole plain in a river floodplain, margin of calcrete table.	0	Recorded (Rio Tinto 2021b)
Priority 3					
<i>Acacia dawweana</i>	Spreading shrub, 0.3 m to 1.5 (-2) m high. Flowers yellow, July to September.	Perennial	Stony red loamy soils. Low rocky rises, along drainage lines. Rocky skeletal loam on lower scree slopes. Outwash fans of rocky banded ironstone ranges and ridges.	45.7	Unlikely
<i>Acacia effusa</i>	Low, dense, spreading, somewhat viscid shrub, 0.3 m to 1.2 m high, bark 'minniritchi'. Flowers yellow, May to August.	Perennial	Stony/rocky red loam. Scree slopes of low ranges, diffuse drainage lines. Alluvial plain at base of large banded ironstone mountains and ranges.	34.5	Unlikely

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Acacia subtiliformis</i>	Spindly, slender, erect shrub, to 3.5 m high, new growth slightly viscid, resinous, aromatic. Peduncles red. Flowers yellow, June to August.	Perennial	Low undulating country on calcareous rises adjacent to drainage lines. On rocky calcrete plateaux.	0	Recorded (Current survey, Rio Tinto 2021b)
<i>Amaranthus centralis</i>	Herb, decumbent or erect to 0.6 m high. Stems angular, sometimes reddish. Flowers January to December.	Annual	Red sand in ephemeral watercourses and loams on edge of permanent pools. Sand plain, river bank, mulga woodland. Granite outcrop. Silty sand amongst granite boulders.	36.1	Unlikely
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i>	A compactly tufted grass-like or herb with lemma groove muricate. 0.3 m to 0.8 m high. Leaf blade wire-like.	Perennial	Hardpan plains, Crackling clay, Floodplain with red brown clay loam.	0	Recorded (Current survey, DBCA 2021b, Rio Tinto 2021b)
<i>Crotalaria smithiana</i>	Erect, soft wooded shrub or herb to 0.4 m high. Flowers yellow, June.	Annual or short-lived Perennial	Alluvium on floodplains.	47.4	Unlikely
<i>Dampiera metallorum</i>	Rounded, multi-stemmed herb or shrub, to 0.5 m high. Dense, appressed dendritic hairs but becoming glabrescent with age. Flowers blue, April, June or October.	Perennial	Skeletal red-brown gravelly soil over banded ironstone. Steep slopes, summits of hills.	2.5	Unlikely
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479)	Spreading herb to 0.1 m high. Flowers blue, March.	Annual	Cracking clay, basalt. Gently undulating plains with large surface rocks, flat crabholed plains.	0	Recorded (Current survey)
<i>Eremophila magnifica</i> subsp. <i>velutina</i>	Aromatic shrub 0.5 m to 1.5 m high. Velutinous. Flowers blue-purple, June to September.	Perennial	Skeletal soils on the slopes and summits of ironstone hills.	16.8	Unlikely

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Eremophila rigida</i>	Erect, bushy shrub, 0.3 m to 4 m high with rigid to leathery ovate leaves. Flowers cream, June to September.	Perennial	Red sand alluvium. Hardpan plains, stony clay depressions.	31.2	Unlikely
<i>Eremophila</i> sp. Hamersley Range (K. Walker KW 136)	Erect shrub 1 to 3.5 m high. Flowers white-cream-yellow-pink-purple, June to October.	Perennial	High in the landscape, cliff tops, gorge tops, steep rocky slopes, skeletal red-brown soils.	7.5	Unlikely
<i>Euphorbia australis</i> var. <i>glabra</i>	Prostrate spreading herb or groundcover, stems much-branched sometimes ascending, green or reddish.	Annual	Sump, low in landscape, Saline flats on alluvial cracking clay loamy soil, gritty with ironstone fragments.	0	Recorded (Current survey)
<i>Euphorbia clementii</i>	Hard, decumbent, pale stemmed herb to 0.6 m high.	Annual or Short-lived perennial	Gravelly hillsides, stony grounds. Clay plains, rocky ironstone slopes, drainage lines on red brown sand.	36.4	Unlikely
<i>Euphorbia stevenii</i>	Glabrous, upright somewhat succulent herb/herbaceous subshrub, to 0.5 m high. Likely to flower throughout the year in response to rainfall.	Perennial or Biennial	Clay or clay loam, sandy soils, cracking clay with scattered pebbles, floodplains.	44.1	Unlikely
<i>Fimbristylis sieberiana</i>	Shortly rhizomatous, tufted, grass-like or herb (sedge), 0.25 m to 0.6 m high. Flowers brown, May to June.	Perennial	Mud, skeletal soil pockets. Pool edges, sandstone cliffs.	18.2	Unlikely
<i>Glycine falcata</i>	Mat-forming herb, to 0.2 m high. Flowers blue/purple, May to July.	Perennial	Drainage depressions in crabhole plains on river floodplains. Black clayey sand.	0	Recorded (Current survey)
<i>Goodenia lyrata</i>	Prostrate herb with lyrate leaves. Flowers yellow, August.	Annual	Red sandy loam. Near claypan. Poorly drained flats.	15.1	Unlikely

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Goodenia purpurascens</i> [^]	Erect herb, 0.1 m to 0.3 m high. Flowers blue-purple/white/yellow, January to December.	Annual or short-lived Perennial	Clay, mud. Swamps and seasonally wet depressions.	3.5	Unlikely
<i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727)	Open, erect herb, rosetted with spatulata leaves to 0.2 m high. Flowers yellow, March to September.	Annual or short-lived Perennial	Red-brown clay soil, calcrete pebbles. Low undulating plain, swampy plains, stony plains, hill slopes.	0	Recorded (Current survey, DBCA 2021a; 2021b, Rio Tinto 2021b)
<i>Grevillea saxicola</i>	Erect shrub to 2.5 m high. Flowers February, April, November.	Perennial	Low rocky hill, red-brown sandy loam with ironstone pebble cover. Upper steep scree/breakaway slopes and crests associated with banded iron formation outcropping. Mulga woodlands.	3.1	Unlikely
<i>Gymnanthera cunninghamii</i>	Erect woody shrub, 1 m to 2 m high. Leaves somewhat leathery, lanceolate to elliptic. Flowers cream-yellow-green, January to December.	Perennial	Red/brown/white sandy soils in and adjacent to drainage lines. Riverine brown loam-clay, ironstone scree slopes adjacent to drainage lines, floodplains with sandy soils, foot of low limestone ridge adjacent to mudflats, beach sand.	4.5	Unlikely
<i>Indigofera gilesii</i>	Shrub, to 1.5 m high. Leaflets green with white margin. Flowers purple-pink, June to October.	Perennial	Rocky slopes, gullies, high in landscape, skeletal soils overlaying ironstone formations, red brown loam.	0	Recorded (Current survey, DBCA 2021a; 2021b, Rio Tinto 2021b)
<i>Olearia mucronata</i>	Densely branched, unpleasantly aromatic shrub, 0.6 m to 1 m high. Flowers white and yellow, August to December or January.	Perennial	Schistose hills, along drainage channels. Mesic areas amongst ironstone boulders and creek lines. Margins of dry creek lines.	37.2	Unlikely

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Phyllanthus hebecarpus</i>	Woody shrub, to 0.5 m high. Covered in small hairs that give plant a grey appearance.	Perennial	Moist sites on plateaus or ridges. Granite outcrops.	10.5	Unlikely
<i>Pilbara trudgenii</i>	Gnarled, aromatic shrub, to 1 m high. Flowers white, September.	Perennial	Skeletal, red stony soil over ironstone. Hill summits, steep slopes, screes, cliff faces.	28.6	Unlikely
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794)	Shrub, 2.5 m high, leaves small lanceolate, not aromatic. Flowers yellow, from May. Fruit small red drupelets.	Perennial	Mulga plains. Alluvial plains. Red brown clay to loamy clay. Occasionally on slopes.	0	Recorded (Current survey, DBCA 2021b, Rio Tinto 2021b)
<i>Rostellularia adscendens</i> var. <i>latifolia</i>	Herb or shrub, 0.1 m to 0.3 m high. Angular stems and small flowers covered by conspicuous bract. Flowers blue-purple-violet, April to May.	Perennial	Ironstone soils. Near creeks or watercourses, along shaded rocky ridges, often in dry gullies and gorges. Rocky hills.	0	Recorded (Rio Tinto 2021b)
<i>Sida</i> sp. Barlee Range (S. van Leeuwen 1642)	Spreading shrub to 0.5 m high. Flowers yellow, August.	Perennial	Skeletal red soils pockets. Steep scree slopes and rock piles, small chines and gullies.	15.5	Unlikely
<i>Sida</i> sp. Hamersley Range (K. Newbey 10692)	Semi-prostrate to upright shrub to 2 m high. Flowers yellow, September to October.	Perennial	Gorges, base of cliffs, rocky outcrops and breakaways. Occasionally in flat areas between hills in shrubby grasslands.	26.3	Unlikely
<i>Solanum kentrocaule</i>	Erect spindly shrub 0.5 m to 1.5 m high. Flowers mauve/purple, May to September.	Perennial	Hamersley ranges between 700 m to 1,250 m altitude. Hillsides and mountaintops, or occasionally creek beds, in skeletal red-brown soil over ironstone or on basalt scree.	1.6	Unlikely
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353)	Multi-stemmed erect herb. Flowers pink to dark pink, June.	Annual	Cracking clays. Colluvial and alluvial gravels in fan or floodplain.	0	Recorded (Current survey)

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Stylidium weeliwolli</i>	Herb, 0.1 m to 0.25 m high. Flowers pink-red, August to September.	Annual	Gritty sand soil, sandy clay. Edge of watercourses, gorges.	9.7	Unlikely
<i>Swainsona thompsoniana</i>	Prostrate herb to 0.1 m. Flowers mauve-cream-yellow, August to September.	Annual	Open flood plains on heavy clay soils, crabhole plains and gilgai.	0	Recorded (Current survey)
<i>Tecticornia medusa</i>	Erect shrub to 0.7 m high. Vegetative articles obovoid to cylindrical, not compressed. Flowers July to November.	Perennial	Flat floodplain. Red clayey sand.	49.8	Unlikely
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431)	Tussocky grass, 0.9 m to 1.8 m high. Flowers August.	Perennial	Drainage lines, clay flats, crabhole flats and dark, self-mulching clays. Red clay. Clay pan, grass plain.	0	Recorded (Current survey, DBCA 2021b, Rio Tinto 2021b)
<i>Triodia basitricha</i>	Hummock grass to 0.8 m high, soft, non-resinous to moderately resinous, lower leaf sheaths hairy. Flowers May.	Perennial	Gravelly low hill and small gully at base of steep slope. Crest of sandstone/basalt hill. Along drainage line at base of steep slope; skeletal red gritty alluvial soil amongst cobble, large boulders, and rocky screes. Undulating rocky uplands.	37.8	Unlikely
<i>Triodia</i> sp. Mt Ella (M.E. Trudgen 12739)	Hummock grass to 0.5 m high. Foliage copiously resinous, leaf sheath surface glabrous. Flowers February.	Perennial	Light orange-brown, pebbly loam. Amongst rocks and outcrops, gully slopes. Ephemeral creek banks, flow lines, skeletal soil over massive ironstone.	0	Recorded (Current survey, Rio Tinto 2021b)
<i>Xerochrysum boreale</i>	Erect shrub, 1.5 m high. Flowers yellow, September.	Perennial	Mulga on stony surfaced red-brown, clay-loam.	0	Recorded (DBCA 2021b)

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
Priority 4					
<i>Acacia bromilowiana</i>	Tree or shrub, to 6.5 m high and occasionally to 12 m high. Phyllodes more or less glaucous and slightly pruinose. Flowers yellow/pink, July to August.	Perennial	Red skeletal stony loam, orange-brown pebbly, gravel loam, laterite, banded ironstone, basalt. High in landscape, rocky hills, breakaways, ridge tops, steep scree slopes, gorges, creek beds.	0	Recorded (Rio Tinto 2021b)
<i>Eremophila magnifica</i> subsp. <i>magnifica</i>	Shrub, 0.5 m to 1.5 m high. Aromatic, glabrous. Flowers blue/purple, June to September.	Perennial	Skeletal soils over ironstone. Rocky screes. Slopes and summits.	2.7	Unlikely
<i>Eremophila youngii</i> subsp. <i>lepidota</i>	Dense, erect spreading shrub, to 4 m high. Flowers purple-red-pink, January to September.	Perennial	Occurs on stony red sandy loam, flats, plains, drainage lines, floodplains and sometimes semi-saline, clay flats. Margins of clay depressions.	4.5	Unlikely
<i>Goodenia nuda</i>	Erect to ascending herb, to 0.5 m high. Flowers yellow, April to August.	Short-lived Perennial	Alluvial soils over ironstone, floodplains, valleys, watercourses, floodplains and in orange-brown alluvial sand over ironstone. Clay soils and drainage lines.	0	Recorded (Current survey, DBCA 2021b, Rio Tinto 2021b)
<i>Lepidium catapycnon</i>	Open, woody herb or shrub, 0.2 m to 0.3 m high, stems zigzag. Flowers white, October.	Perennial	Skeletal soils in open woodland. Hillsides. More frequent on south facing slopes.	0	Recorded (DBCA 2021a; 2021b, Rio Tinto 2021b)
<i>Ptilotus mollis</i>	Compact shrub, to 0.5 m high, soft grey foliage. Stems teres, densely hairy, with nodose hairs. Flowers white/pink, May or September.	Perennial	Stony hills, steep rocky sites and screes, in drainage lines. Usually in full sun on massive ironstone formations.	2.9	Unlikely

Species	Habit and flowering information ¹	Life form ¹	Habitat ¹	Distance of closest record from survey area (km) ²	Post-survey likelihood of occurrence
<i>Rhynchosia bungalowensis</i>	Compact, prostrate shrub, to 0.5 m high. Fl. yellow. Pebbly, shingly coarse sand amongst boulders. Flowers yellow, May, June and November.	Perennial	Banks of flow line in the mouth of a gully in a valley wall.	34.0	Unlikely

¹ – Information sourced from Florabase (Western Australian Herbarium 1998-2021), unless otherwise stated.

² – A distance of zero (0) indicates that the species has been previously recorded within the survey area. Distances sourced from TPFL (Department of Biodiversity, Conservation and Attractions 2021a), WAHerb (Department of Biodiversity, Conservation and Attractions 2021c) and Rio Tinto Custom Database Search (Rio Tinto 2021b).

^ - Species identified in desktop assessment, but taxon may have been misidentified.

Table G.2: Likelihood of occurrence of conservation listed vertebrate fauna species listed as potentially occurring in the vicinity of the survey area.

Scientific name (common name)	Conservation codes			Preferred habitat	Likelihood of occurrence	
	EPBC Act	BC Act	DBCAs		Pre-survey	Post survey
Reptiles						
<i>Underwoodisaurus seorsus</i> (Pilbara Barking Gecko)			P2	Confined in the Pilbara to the Hamersley Ranges from Tom Price to Newman. Occurs in rocky areas with spinifex and low tree cover.	High	High
<i>Lerista macropisthopus remota</i>			P2	This subspecies is in the central interior in woodlands and semi-arid shrublands where animals shelter under leaf litter. This species is generally found in the central interior particularly the Ashburton region.	High	High
<i>Anilius ganei</i>			P1	Little information is available on this species but it is believed to be associated with moist gorges and gullies.	High	High
<i>Liasis olivaceus barroni</i> (Pilbara Olive Python)	VU	VU		Generally rocky habitats in close association to permanent and semi-permanent water sources.	High – previously recorded within survey area	High
Birds						
<i>Macronectes giganteus</i> (Southern Giant Petrel)	EN, MI	MI		Predominantly pelagic species that is independent of terrestrial habitats.	Low	Low
<i>Plegadis falcinellus</i> (Glossy Ibis)	MI	MI		Wetland habitats such as freshwater marshes at the edges of lakes, rivers and wet swamp areas. This species is occasionally found in coastal locations such as estuaries, deltas, saltmarshes and coastal lagoons.	Low	Low
<i>Elanus scriptus</i> (Letter-winged Kite)			P4	The Letter-winged Kite is a bird of open country and grasslands in arid and semi-arid Australia, where there are tree-lined streams or water courses.	High	High
<i>Pandion cristatus</i> (Osprey, Eastern Osprey)	MI	MI		Occurs in littoral and coastal habitats and terrestrial wetlands of tropical and temperate Australia and offshore islands. Also coastal areas, and occasionally travel inland along major rivers.	Low	Low

Scientific name (common name)	Conservation codes			Preferred habitat	Likelihood of occurrence	
	EPBC Act	BC Act	DBCA		Pre-survey	Post survey
<i>Charadrius veredus</i> (Oriental Plover)	MI	MI		Breeding habitat includes arid grasslands, salt pans; non-breeding habitat includes grasslands, salt-fields, and coastal regions.	High	High
<i>Rostratula australis</i> (Australian Painted Snipe)	EN	EN		Inhabits shallow terrestrial freshwater wetlands, lakes, swamps and clay pans. Also found in waterlogged grassland and saltmarsh. Typical sites include areas with emergent tussocks of grass, sedges or samphire; often scattered with clumps of lignum <i>Muehlenbeckia</i> , or canegrass or sometimes with tea-tree (<i>Melaleuca</i>).	Low	Low
<i>Actitis hypoleucos</i> (Common Sandpiper)	MI	MI		Non-breeding migrant to a wide variety of habitats, such as riverbanks, estuaries, freshwater seeps on coastal shores, tidal creeks, mangrove swamps and saltmarshes.	Low	Low
<i>Calidris acuminata</i> (Sharp-tailed Sandpiper)	MI	MI		Muddy edges of shallow fresh/brackish wetlands with emergent sedges, saltmarsh, grass and low vegetation.	Low	Low
<i>Calidris ferruginea</i> (Curlew Sandpiper)	CR/MI	CR/MI		This species mainly occurs on intertidal mudflats in sheltered coastal areas and also around non-tidal swamps, lakes and lagoons near the coast. They are also recorded inland, though less often, including around ephemeral and permanent lakes, dams, waterholes and bore drains, usually with bare edges of mud or sand.	Low	Low
<i>Calidris melanotos</i> (Pectoral Sandpiper)	MI	MI		Mainly swamps, lagoons, river pools, irrigation channels and sewerage ponds. Also in samphire flats around estuaries and salt lakes.	Low	Low
<i>Calidris ruficollis</i> (Red-necked Stint)	MI			The edge of sheltered waters including estuaries, beaches, near-coastal salt lakes, swamps, lakes, sewerage ponds and bore overflows.	Low	Low
<i>Calidris subminuta</i> (Long-toed Stint)	MI			Generally found in coastal environments such as coastal margins, lagoons, beaches and tidal flats.	Low	Low

Scientific name (common name)	Conservation codes			Preferred habitat	Likelihood of occurrence	
	EPBC Act	BC Act	DBCA		Pre-survey	Post survey
<i>Tringa glareola</i> (Wood Sandpiper)	MI	MI		Generally open areas such as the margins of inland freshwater lakes and reservoirs. This species rarely occurs in coastal habitats, but may be found along the creeks of saltmarshes and mangrove swamps.	Low	Low
<i>Tringa nebularia</i> (Common Greenshank)	MI	MI		A variety of freshwater, marine and artificial wetlands, including swamps, open muddy or rocky shores of lakes and large rivers, sewage farms, saltworks, muddy coastal flats, mangroves and estuaries.	Low	Low
<i>Tringa stagnatilis</i> (Marsh Sandpiper)	MI	MI		Found at the margins of inland freshwater and brackish wetlands such as rice paddy-fields, swamps, salt-pans, salt-marshes, sewage works and marshy lake-edges, and although it is rare on open coastlines it can occasionally be found on estuaries, lagoons and intertidal mudflats.	Low	Low
<i>Tringa tetanus</i> (Common Redshank)	MI	MI		Found at sheltered coastal wetlands such as bays, river estuaries, lagoons, inlets and saltmarsh (with bare open flats and banks of mud or sand). They are also found around saltlakes, freshwater lagoons, artificial wetlands and saltworks and sewage farms.	Low	Low
<i>Gelochelidon nilotica</i> (Gull-billed Tern)	MI	MI		Shallow sheltered seas close to land, estuaries, tidal creeks, near-coastal salt lakes, samphire flats, swamps, lagoons, river pools, claypans, dams and over grain crops.	Low	Low
<i>Hydroprogne caspia</i> (Caspian Tern)	MI	MI		Mainly sheltered seas, estuaries and tidal creeks.	Low	Low
<i>Apus pacificus</i> (Fork-tailed Swift)	MI	MI		Largely aerial species independent of the terrestrial environment.	Moderate	High
<i>Falco hypoleucos</i> (Grey Falcon)		VU		Open habitats: semi-deserts, grassy inland plains, timbered watercourses, pastoral lands.	High	High
<i>Falco peregrinus</i> (Peregrine Falcon)		OS		Cosmopolitan, will hunt in any habitat, soaring at height or from a perch; often near cliffs. Nests on rocky ledges in tall, vertical cliff faces and tall trees associated with drainage lines.	High	High

Scientific name (common name)	Conservation codes			Preferred habitat	Likelihood of occurrence	
	EPBC Act	BC Act	DBCA		Pre-survey	Post survey
<i>Pezoporus occidentalis</i> (Night Parrot)	EN	CR		Most habitat records are from <i>Triodia</i> grasslands and/or chenopod shrublands in the arid and semi-arid zones. <i>Astrebla</i> spp. (Mitchell grass), shrubby samphire and chenopod associations, scattered trees and shrubs, <i>Acacia aneura</i> (Mulga) woodland, treeless areas and bare gibber as associated with sightings of the species.	Low	Low
<i>Polytelis alexandrae</i> (Princess Parrot)	VU		P4	Inhabits sand dunes and sand flats in the arid zone. Occurs in savanna woodlands and shrublands that usually consist of scattered stands of <i>Eucalyptus</i> spp, Casuarina/Allocasuarina trees, an understorey of shrubs and a ground cover dominated by <i>Triodia</i> spp.	Low	Low
<i>Hirundo rustica</i> (Barn Swallow)	MI	MI		Coastal open country generally, especially near surface water and man-made structures such as bridges and power wires.	Low	Low
<i>Motacilla flava</i> (Yellow Wagtail)	MI	MI		Mainly banks and rocks in fast-running freshwater habitats such as rivers, creeks, streams and around waterfalls.	Low	Low
<i>Motacilla cinerea</i> (Grey Wagtail)	MI	MI		Damp short-grass flats, rice stubbles and edge of swamps, sewage ponds, bore overflows, grazed or mowed grass and irrigated areas.	Low	Low
Mammals						
<i>Dasyercus blythi</i> (Brush-tailed Mulgara, Ampurta)			P4	Common in a range of habitats – tussock / hummock grasslands and sparse shrubs and low open woodlands on ridge tops, cliffs, scree slopes, hills and valley floors.	Low	Low
<i>Dasyurus hallucatus</i> (Northern Quoll)	EN	EN		Northern Quoll habitat generally encompasses some form of rocky area for denning purposes with surrounding vegetated habitats used for foraging and dispersal.	High	High
<i>Sminthopsis longicaudata</i> (Long-tailed Dunnart)			P4	Found in rocky scree and plateau areas, generally with little vegetation or in areas of spinifex hummock grassland, shrubs and open woodland.	Low	Low

Scientific name (common name)	Conservation codes			Preferred habitat	Likelihood of occurrence	
	EPBC Act	BC Act	DBCA		Pre-survey	Post survey
<i>Macrotis lagotis</i> (Greater Bilby, Dalgyte)	VU	VU		Sand or sandy-loam in hummock grassland (<i>Triodia</i> species) and or <i>Acacia</i> shrublands.	High – previously recorded within survey area	Low
<i>Petrogale lateralis lateralis</i> (Black-footed Rock-wallaby)	EN	EN		Occurs in cliffs, rock-piles, talus or escarpment refuge and other steep substrates with grassland feeding habitat nearby. Also occurs on limestone outcrops, coastal cliffs and granite outcrops.	Low	Low
<i>Pseudomys chapmani</i> (Western Pebble-mound Mouse)			P4	Gentle rocky slopes, hills and spurs with small pebble surface cover and sparse vegetation.	High – previously recorded within survey area	Recorded
<i>Leggadina lakedownensis</i> (Short-tailed Mouse)			P4	Open tussock and hummock grassland, <i>Acacia</i> shrubland and savanna woodland on alluvial clay / sandy soils. Cracking clays.	Moderate	Low
<i>Rhinonictis aurantia</i> (Pilbara form) (Pilbara Leaf-nosed Bat)	VU	VU		Roosts in deep warm, humid caves or rock cracks, especially in proximity to water pools. Forages while flying low along watercourses and gorges and over <i>Triodia</i> grassland.	High - previously recorded within survey area	High
<i>Macroderma gigas</i> (Ghost Bat)	VU	VU		A wide range from rainforest, monsoon and vine scrub in the tropics to open woodlands and arid areas.	High – previously recorded within survey area	Recorded

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Appendix H: Terrestrial Vertebrate Fauna Species Lists

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Table H.1: Amphibian species list – results of database searches and Astron survey results.

Scientific name	Common name	Introduced	Conservation codes			Nature Map	EPBC PMST	DBCA T and P	Previous surveys	Current survey
			EPBC Act	BC Act	DBCA					
Pelodryadidae										
<i>Cyclorana maini</i>	Sheep Frog					X			X	X
<i>Cyclorana occidentalis</i>	Western Water-holding Frog					X				
<i>Litoria rubella</i>	Little Red Tree Frog					X			X	X
Limnodynastidae										
<i>Neobatrachus sutor</i>	Shoemaker Frog					X				X
Myobatrachidae										
<i>Pseudophryne douglasi</i>	Gorge Toadlet					X				
<i>Uperoleia russelli</i>	Northwest Toadlet					X				
<i>Uperoleia saxatilis</i>	Pilbara Toadlet					X			X	

Table H.2: Reptile species list – results of database searches and Astron survey results.

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
Chelidae										
<i>Chelodina steindachneri</i>	Flat-Shelled Turtle					X				
Carpodactylidae										
<i>Nephurus wheeleri</i>	Southern Banded Knob-tailed Gecko					X			X	
<i>Underwoodisaurus seorsus</i>	Pilbara Barking Gecko				P2	X		X	X	
Diplodactylidae										
<i>Crenadactylus ocellatus</i>	South-western Clawless Gecko					X				
<i>Diplodactylus conspicillatus</i>	Variable Fat-tailed Gecko					X			X	
<i>Diplodactylus granariensis rex</i>						X				X
<i>Diplodactylus pulcher</i>						X			X	X
<i>Diplodactylus savagei</i>	Southern Pilbara Beak-faced Gecko					X			X	
<i>Lucasium stenodactylus</i>						X			X	X
<i>Lucasium wombeyi</i>						X			X	X
<i>Oedura fimbria</i>	Western Marbled Velvet Gecko					X			X	X
<i>Rhynchoedura ornata</i>	Western Beaked Gecko					X			X	X
<i>Strophurus ciliaris</i>									X	
<i>Strophurus elderi</i>						X			X	X
<i>Strophurus jeanae</i>						X			X	
<i>Strophurus wellingtonae</i>						X			X	X
Gekkonidae										
<i>Gehyra micra</i>	Small Pilbara Spotted Rock Gehyra								X	
<i>Gehyra montium</i>									X	X
<i>Gehyra pilbara</i>						X			X	
<i>Gehyra punctata</i>						X			X	

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
<i>Gehyra purpurascens</i>						X			X	
<i>Gehyra variegata</i>						X			X	X
<i>Heteronotia binoei</i>	Bynoe'S Gecko					X			X	X
<i>Heteronotia planiceps</i>						X				
<i>Heteronotia spelea</i>	Pilbara Cave Gecko					X			X	X
Pygopodidae										
<i>Delma butleri</i>						X			X	
<i>Delma elegans</i>						X			X	
<i>Delma nasuta</i>						X			X	X
<i>Delma pax</i>						X			X	
<i>Delma tincta</i>						X			X	X
<i>Lialis burtonis</i>						X			X	X
<i>Pygopus nigriceps</i>						X			X	
Agamidae										
<i>Ctenophorus caudicinctus</i>	Western Ring-tailed Dragon					X			X	X
<i>Ctenophorus isolepis isolepis</i>	Central Military Dragon					X			X	
<i>Ctenophorus nuchalis</i>	Central Netted Dragon					X			X	X
<i>Ctenophorus reticulatus</i>	Western Netted Dragon					X			X	X
<i>Diporiphora amphiboluroides</i>	Mulga Dragon								X	X
<i>Diporiphora valens</i>	Southern Pilbara Tree Dragon					X			X	
<i>Gowidon longirostris</i>	Long-nosed Dragon					X			X	X
<i>Pogona minor minor</i>	Western Bearded Dragon					X			X	X
<i>Tympanocryptis cephalus</i>	Coastal Pebble-mimic Dragon					X			X	
<i>Tympanocryptis diabolicus</i>	Hammersley Pebble-mimic Dragon									X
Scincidae										
<i>Carlia munda</i>						X			X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
<i>Carlia triacantha</i>						X			X	X
<i>Cryptoblepharus buchananii</i>						X			X	X
<i>Cryptoblepharus plagiocephalus</i>						X				
<i>Cryptoblepharus ustulatus</i>						X			X	X
<i>Ctenotus ariadnae</i>						X			X	
<i>Ctenotus duricola</i>	Eastern Pilbara Lined Ctenotus					X			X	
<i>Ctenotus grandis grandis</i>						X			X	
<i>Ctenotus hanloni</i>						X				
<i>Ctenotus helenae</i>						X			X	X
<i>Ctenotus inornatus</i>									X	
<i>Ctenotus leonhardii</i>						X				X
<i>Ctenotus pallasotus</i>	Western Pilbara Lined Ctenotus								X	X
<i>Ctenotus pantherinus ocellifer</i>						X			X	X
<i>Ctenotus piankai</i>	Coarse Sands Ctenotus									X
<i>Ctenotus robustus</i>									X	
<i>Ctenotus rubicundus</i>						X			X	
<i>Ctenotus rutilans</i>						X			X	
<i>Ctenotus saxatilis</i>	Rock Ctenotus					X			X	X
<i>Ctenotus schomburgkii</i>						X			X	X
<i>Ctenotus serventyi</i>						X			X	X
<i>Ctenotus superciliaris</i>										X
<i>Ctenotus uber uber</i>						X			X	X
<i>Cyclodomorphus melanops melanops</i>						X			X	X
<i>Egernia cygnitos</i>	Western Pilbara Spiny-tailed Skink					X			X	

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
<i>Egernia depressa</i>	Southern Pygmy Spiny-tailed Skink					X				X
<i>Egernia ephiasolus</i>	Eastern Pilbara Spiny-tailed Skink								X	X
<i>Egernia formosa</i>						X			X	X
<i>Eremiascincus pallidus</i>	Western Narrow-banded Skink					X				
<i>Eremiascincus richardsonii</i>	Broad-banded Sand Swimmer					X				
<i>Lerista bipes</i>						X			X	
<i>Lerista chalybura</i>									X	X
<i>Lerista jacksoni</i>									X	X
<i>Lerista labialis</i>						X			X	
<i>Lerista macropisthopus fusciceps</i>						X				
<i>Lerista macropisthopus remota</i>					P2	X		X	X	
<i>Lerista muelleri</i>						X			X	X
<i>Lerista neander</i>						X			X	X
<i>Lerista timida</i>									X	
<i>Lerista verhmens</i>									X	
<i>Lerista zietzi</i>						X			X	
<i>Menetia greyii</i>						X			X	X
<i>Menetia surda surda</i>						X			X	X
<i>Morethia ruficauda exquisita</i>						X			X	
<i>Proablepharus reginae</i>						X				
<i>Tiliqua multifasciata</i>	Central Bluetongue					X			X	X
Varanidae										
<i>Varanus acanthurus</i>	Spiny-tailed Goanna					X			X	X
<i>Varanus brevicauda</i>	Short-tailed Pygmy Goanna					X			X	

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
<i>Varanus bushi</i>	Pilbara Mulga Goanna					X			X	X
<i>Varanus caudolineatus</i>						X			X	X
<i>Varanus eremius</i>	Pygmy Desert Goanna					X			X	
<i>Varanus giganteus</i>	Perentie					X			X	X
<i>Varanus gilleni</i>	Pygmy Mulga Goanna								X	
<i>Varanus gouldii</i>	Bungarra or Sand Goanna					X			X	X
<i>Varanus hamersleyensis</i>	Southern Pilbara Rock Goanna					X			X	X
<i>Varanus panoptes rubidus</i>						X			X	X
<i>Varanus pilbarensis</i>	Northern Pilbara Rock Goanna					X				X
<i>Varanus tristis</i>	Racehorse Goanna					X			X	X
Typhlopidae										
<i>Anilius ammodytes</i>									X	
<i>Anilius ganei</i>					P1	X		X	X	
<i>Anilius grypus</i>						X			X	X
<i>Anilius hamatus</i>									X	X
<i>Anilius pilbarensis</i>										X
<i>Anilius waitii</i>									X	
Pythonidae										
<i>Antaresia childreni</i>	Children's Python					X			X	
<i>Antaresia perthensis</i>	Pygmy Python					X			X	X
<i>Aspidites melanocephalus</i>	Black-headed Python					X			X	X
<i>Liasis olivaceus barroni</i>	Pilbara Olive Python		VU	VU		X	X	X	X	
Elapidae										
<i>Acanthophis wellsii</i>	Pilbara Death Adder					X			X	
<i>Brachyuropsis approximans</i>						X			X	X
<i>Demansia psammophis cupreiceps</i>						X			X	X
<i>Demansia rufescens</i>	Rufous Whipsnake					X			X	
<i>Furina ornata</i>	Moon Snake					X			X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
<i>Pseudechis australis</i>	Mulga Snake					X			X	X
<i>Pseudonaja mengdeni</i>	Western Brown Snake					X			X	X
<i>Pseudonaja modesta</i>	Ringed Brown Snake					X			X	X
<i>Pseudonaja nuchalis</i>	Gwardar, Northern Brown Snake					X			X	
<i>Suta fasciata</i>	Rosen's Snake					X			X	X
<i>Suta gaikorstorum</i>										X
<i>Suta monachus</i>						X			X	
<i>Suta punctata</i>	Spotted Snake					X				
<i>Vermicella snelli</i>						X			X	

Table H.3: Bird species list – results of database searches and Astron survey results.

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birdata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
Dromaiidae											
<i>Dromaius novaehollandiae</i>	Emu					X			X	X	
Anatidae											
<i>Anas gracilis</i>	Grey Teal					X			X		X
<i>Anas superciliosa</i>	Pacific Black Duck					X			X	X	
<i>Aythya australis</i>	Hardhead					X			X		
<i>Chenonetta jubata</i>	Australian Wood Duck					X			X		
<i>Cygnus atratus</i>	Black Swan					X			X		
<i>Malacorhynchus membranaceus</i>	Pink-Eared Duck								X		
Phasianidae											
<i>Coturnix pectoralis</i>	Stubble Quail									X	
<i>Coturnix ypsilophora</i>	Brown Quail					X			X	X	X
Procellariidae											
<i>Macronectes giganteus</i>	Southern Giant Petrel		EN & MI	MI		X		X			
Podicipedidae											
<i>Poliiocephalus poliocephalus</i>	Hoary-headed Grebe								X		
<i>Tachybaptus novaehollandiae</i>	Australasian Grebe (Black-throated Grebe)					X			X		
Threskiornithidae											
<i>Plegadis falcinellus</i>	Glossy Ibis		MI	MI				X			
<i>Threskiornis moluccus</i>	Australian White Ibis								X		
<i>Threskiornis spinicollis</i>	Straw-necked Ibis					X			X	X	
Ardeidae											

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
<i>Ardea ibis</i>	Cattle Egret						X				
<i>Ardea modesta</i>	Eastern Great Egret	-				X			X	X	
<i>Ardea pacifica</i>	White-necked Heron					X			X	X	
<i>Egretta novaehollandiae</i>	White-faced Heron					X			X	X	
<i>Nycticorax caledonicus</i>	Nankeen Night-heron					X			X		
Pelecanidae											
<i>Pelecanus conspicillatus</i>	Australian Pelican								X		
Phalacrocoracidae											
<i>Microcarbo melanoleucos</i>	Little Pied Cormorant					X			X		
<i>Phalacrocorax sulcirostris</i>	Little Black Cormorant					X			X		
Anhingidae											
<i>Anhinga novaehollandiae</i>	Australasian Darter					X			X	X	
Accipitridae											
<i>Accipiter cirrocephalus</i>	Collared Sparrowhawk					X			X	X	X
<i>Accipiter fasciatus</i>	Brown Goshawk					X			X	X	X
<i>Aquila audax</i>	Wedge-tailed Eagle					X			X	X	X
<i>Circus approximans</i>	Swamp Harrier										X
<i>Circus assimilis</i>	Spotted Harrier					X			X	X	X
<i>Elanus axillaris</i>	Australian Black-shouldered Kite					X			X	X	X
<i>Elanus scriptus</i>	Letter-winged Kite				P4					X	
<i>Haliastur sphenurus</i>	Whistling Kite					X			X	X	X
<i>Hamirostra melanosternon</i>	Black-breasted Buzzard					X			X	X	

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
<i>Hieraetus morphnoides</i>	Little Eagle					X			X	X	X
<i>Lophoictinia isura</i>	Square-tailed Kite					X			X	X	
<i>Milvus migrans</i>	Black Kite					X			X	X	
<i>Pandion cristatus</i>	Osprey, Eastern Osprey		MI	MI				X			
Otididae											
<i>Ardeotis australis</i>	Australian Bustard					X			X	X	X
Rallidae											
<i>Fulica atra</i>	Eurasian Coot								X		
<i>Porphyrio porphyrio</i>	Purple Swamphen					X				X	
<i>Porzana tabuensis</i>	Spotless Crake									X	
Turnicidae											
<i>Turnix velox</i>	Little Button-quail					X			X	X	X
Burhinidae											
<i>Burhinus grallarius</i>	Bush Stone-curlew					X			X	X	
Recurvirostridae											
<i>Himantopus himantopus</i>	Black-winged Stilt					X			X		
Charadriidae											
<i>Charadrius ruficapillus</i>	Red-capped Plover								X		
<i>Charadrius veredus</i>	Oriental Plover		MI	MI			X	X		X	
<i>Euseyonis melanops</i>	Black-fronted Dotterel					X			X	X	
<i>Erythrogonys cinctus</i>	Red-kneed Dotterel					X			X	X	
<i>Vanellus tricolor</i>	Banded Lapwing					X			X		
Rostratulidae											
<i>Rostratula australis</i>	Australian Painted Snipe		EN	EN			X	X			
Scolopacidae											

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
<i>Actitis hypoleucos</i>	Common Sandpiper		MI	MI			X	X	X		
<i>Calidris acuminata</i>	Sharp-tailed Sandpiper		MI	MI			X	X			
<i>Calidris ferruginea</i>	Curlew Sandpiper		CR & MI	CR & MI			X	X			
<i>Calidris melanotos</i>	Pectoral Sandpiper		MI	MI			X	X			
<i>Calidris ruficollis</i>	Red-necked Stint			MI				X			
<i>Calidris subminuta</i>	Long-toed Stint		MI	MI				X			
<i>Tringa glareola</i>	Wood Sandpiper		MI	MI				X			
<i>Tringa nebularia</i>	Common Greenshank		MI	MI				X			
<i>Tringa stagnatilis</i>	Marsh Sandpiper		MI	MI				X			
<i>Tringa totanus</i>	Common Redshank		MI	MI				X			
Laridae											
<i>Gelochelidon nilotica</i>	Gull-billed Tern		MI	MI				X			
<i>Hydroprogne caspia</i>	Caspian Tern		MI	MI				X			
Columbidae											
<i>Columba livia</i>	Domestic Pigeon (Rock Dove)	*					X				
<i>Geopelia cuneata</i>	Diamond Dove					X			X	X	X
<i>Geopelia humeralis</i>	Bar-shouldered Dove					X			X		
<i>Geopelia striata</i>	Peaceful Dove					X			X	X	
<i>Geophaps plumifera</i>	Spinifex Pigeon					X			X	X	X
<i>Ocyphaps lophotes</i>	Crested Pigeon					X			X	X	X
<i>Phaps chalcoptera</i>	Common Bronzewing					X			X	X	X
Cuculidae											
<i>Cacomantis pallidus</i>	Pallid Cuckoo					X			X	X	X
<i>Chalcites basalis</i>	Horsfield's Bronze cuckoo					X			X	X	X
<i>Chalcites osculans</i>	Black-eared Cuckoo						X		X	X	

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
Centropodidae											
<i>Centropus phasianinus</i>	Pheasant Coucal					X			X	X	
Tytonidae											
<i>Tyto javanica</i>	Eastern Barn Owl					X			X	X	
Strigidae											
<i>Ninox connivens</i>	Barking Owl					X				X	
<i>Ninox novaeseelandiae</i>	Southern Boobook								X	X	X
Podargidae											
<i>Podargus strigoides</i>	Tawny Frogmouth					X			X	X	
Caprimulgidae											
<i>Eurostopodus argus</i>	Spotted Nightjar					X			X	X	X
Aegothelidae											
<i>Aegotheles cristatus</i>	Australian Owlet-nightjar					X			X	X	X
Apodidae											
<i>Apus pacificus</i>	Fork-tailed Swift (Pacific Swift)		MI	MI		X	X	X	X	X	
Alcedinidae											
<i>Dacelo leachii</i>	Blue-winged Kookaburra					X			X	X	
<i>Todiramphus pyrrhopygius</i>	Red-backed Kingfisher					X			X	X	X
<i>Todiramphus sanctus</i>	Sacred Kingfisher					X			X	X	X
Meropidae											
<i>Merops ornatus</i>	Rainbow Bee-eater					X			X	X	X
Falconidae											
<i>Falco berigora</i>	Brown Falcon					X			X	X	X
<i>Falco cenchroides</i>	Australian Kestrel (Nankeen Kestrel)					X			X	X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
<i>Falco hypoleucos</i>	Grey Falcon			VU			X	X	X		
<i>Falco longipennis</i>	Australian Hobby					X			X	X	
<i>Falco peregrinus</i>	Peregrine Falcon			OS		X		X	X		
Cacatuidae											
<i>Cacatua sanguinea</i>	Little Corella					X			X	X	X
<i>Eolophus roseicapilla</i>	Galah					X			X	X	X
<i>Nymphicus hollandicus</i>	Cockatiel					X			X	X	X
Psittacidae											
<i>Barnardius zonarius</i>	Australian Ringneck					X			X	X	X
<i>Melopsittacus undulatus</i>	Budgerigar					X			X	X	X
<i>Neopsephotus bourkii</i>	Bourke's Parrot					X			X	X	
<i>Pezoporus occidentalis</i>	Night Parrot		EN	CR			X				
<i>Polytelis alexandrae</i>	Princess Parrot		VU		P4		X	X			
<i>Psephotus varius</i>	Mulga Parrot					X			X	X	X
Ptilonorhynchidae											
<i>Chlamydera guttatus</i>	Western Bowerbird					X			X	X	X
Climacteridae											
<i>Climacteris melanura</i>	Black-tailed Treecreeper								X		
Maluridae											
<i>Amytornis striatus whitei</i>	Rufous Grasswren					X			X	X	X
<i>Malurus assimilis</i>	Purple-backed Fairy-wren					X			X	X	X
<i>Malurus leucopterus</i>	White-winged Fairy-wren					X			X	X	X
<i>Malurus splendens</i>	Splendid Fairy-wren					X			X	X	X
<i>Stipiturus ruficeps</i>	Rufous-Crowned Emu-wren					X			X	X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
Meliphagidae											
<i>Acanthagenys rufogularis</i>	Spiny-cheeked Honeyeater					X			X	X	X
<i>Certhionyx variegatus</i>	Pied Honeyeater					X			X		
<i>Epthianura tricolor</i>	Crimson Chat					X			X	X	X
<i>Gavicalis virescens</i>	Singing Honeyeater					X			X	X	X
<i>Conopophila whitei</i>	Grey Honeyeater					X			X	X	
<i>Lichmera indistincta</i>	Brown Honeyeater					X			X	X	
<i>Manorina flavigula</i>	Yellow-throated Miner					X			X	X	X
<i>Melithreptus gularis</i>	Black-chinned Honeyeater					X			X	X	
<i>Ptilotula keartlandi</i>	Grey-headed Honeyeater					X			X	X	X
<i>Ptilotula plumula</i>	Grey-fronted Honeyeater									X	
<i>Ptilotula penicillata</i>	White-plumed Honeyeater					X			X	X	X
<i>Purnella albifrons</i>	White-fronted Honeyeater					X			X	X	X
<i>Sugomel niger</i>	Black Honeyeater								X		
Pardalotidae											
<i>Pardalotus rubricatus</i>	Red-browed Pardalote					X			X	X	X
<i>Pardalotus striatus</i>	Striated Pardalote					X			X	X	X
Acanthizidae											
<i>Acanthiza apicalis</i>	Broad-tailed Thornbill (Inland Thornbill)					X			X	X	X
<i>Acanthiza chrysorrhoa</i>	Yellow-rumped Thornbill					X			X	X	
<i>Acanthiza robustirostris</i>	Slaty-backed Thornbill					X			X	X	X
<i>Acanthiza uropygialis</i>	Chestnut-rumped Thornbill					X			X	X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
<i>Aphelocephala leucopsis</i>	Southern Whiteface					X			X		
<i>Aphelocephala nigricincta</i>	Banded Whiteface										X
<i>Gerygone fusca</i>	Western Gerygone					X			X	X	X
<i>Pyrrholaemus brunneus</i>	Redthroat					X			X	X	X
<i>Smicrornis brevirostris</i>	Weebill					X			X	X	X
Pomatostomidae											
<i>Pomatostomus superciliosus</i>	White-browed Babbler					X			X	X	X
<i>Pomatostomus temporalis</i>	Grey-crowned Babbler					X			X	X	X
Psophodidae											
<i>Cinclosoma castaneothorax</i>	Chestnut-breasted Quail-thrush					X			X		
<i>Psophodes occidentalis</i>	Western Wedgebill (Chiming Wedgebill)					X			X	X	
Artamidae											
<i>Artamus cinereus</i>	Black-faced Woodswallow					X			X	X	X
<i>Artamus cyanopterus</i>	Dusky Woodswallow					X			X	X	
<i>Artamus minor</i>	Little Woodswallow					X			X	X	X
<i>Artamus personatus</i>	Masked Woodswallow					X			X	X	
<i>Cracticus nigrogularis</i>	Pied Butcherbird					X			X	X	X
<i>Cracticus torquatus</i>	Grey Butcherbird					X			X	X	X
<i>Gymnorhina tibicen</i>	Australian Magpie					X			X	X	X
Campephagidae											
<i>Coracina maxima</i>	Ground Cuckoo-shrike					X			X	X	X
<i>Coracina novaehollandiae</i>	Black-faced Cuckoo-shrike					X			X	X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birdata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
<i>Lalage sueurii</i>	White-winged Triller					X			X	X	X
<i>Oreoica gutturalis</i>	Crested Bellbird					X			X	X	X
Pachycephalidae											
<i>Colluricincla harmonica</i>	Grey Shrike-thrush					X			X	X	X
<i>Pachycephala rufiventris</i>	Rufous Whistler					X			X	X	X
Rhipiduridae											
<i>Rhipidura albiscapa</i>	Grey Fantail					X			X	X	X
<i>Rhipidura leucophrys</i>	Willie Wagtail					X			X	X	X
Monarchidae											
<i>Grallina cyanoleuca</i>	Magpie-lark					X			X	X	X
Corvidae											
<i>Corvus bennetti</i>	Little Crow					X			X	X	
<i>Corvus orru</i>	Torresian Crow					X			X	X	X
Petroicidae											
<i>Melanodryas cucullata</i>	Hooded Robin					X			X	X	X
<i>Petroica goodenovii</i>	Red-Capped Robin					X			X	X	X
Alaudidae											
<i>Mirafrja javanica</i>	Horsfield's Bushlark					X				X	
Hirundinidae											
<i>Cheramoeca leucosterna</i>	White-backed Swallow								X	X	
<i>Hirundo neoxena</i>	Welcome Swallow					X			X		
<i>Hirundo rustica</i>	Barn Swallow		MI	MI			X				
<i>Petrochelidon ariel</i>	Fairy Martin					X			X	X	
<i>Petrochelidon nigricans</i>	Tree Martin					X			X	X	
Acrocephalidae											

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Birddata	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA						
<i>Acrocephalus australis</i>	Australian Reed Warbler					X			X	X	
Megaluridae											
<i>Cincloramphus cruralis</i>	Brown Songlark								X	X	X
<i>Cincloramphus mathewsi</i>	Rufous Songlark								X	X	X
<i>Eremiornis carteri</i>	Spinifexbird					X			X	X	X
Nectariniidae											
<i>Dicaeum hirundinaceum</i>	Mistletoebird					X			X	X	
Estrildidae											
<i>Emblema pictum</i>	Painted Finch					X			X	X	X
<i>Neochmia ruficauda</i>	Star Finch					X			X	X	
<i>Taeniopygia guttata</i>	Zebra Finch					X			X	X	X
Motacillidae											
<i>Motacilla flava</i>	Yellow Wagtail		MI	MI			X				
<i>Motacilla cinerea</i>	Grey Wagtail		MI	MI			X				
<i>Anthus novaeseelandiae</i>	Australian Pipit					X			X	X	X

Table H.4: Mammal species list – results of database searches and Astron survey results.

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
Tachyglossidae										
<i>Tachyglossus aculeatus acanthion</i>	Short-beaked Echidna					X			X	
Dasyuridae										
<i>Dasyercus blythi</i>	Brush-tailed Mulgara, Ampurta				P4			X	X	
<i>Dasykaluta rosamondae</i>	Kaluta					X			X	X
<i>Dasyurus hallucatus</i>	Northern Quoll		EN	EN		X	X	X	X	
<i>Ningau ridei</i>	Wongai Ningau								X	
<i>Ningau timealeyi</i>	Pilbara Ningau					X			X	X
<i>Planigale ingrami</i>	Long-tailed Planigale					X				
<i>Planigale species 1'</i>	Pilbara Planigale								X	X
<i>Pseudantechinus woolleyae</i>	Woolley's Pseudantechinus					X			X	X
<i>Sminthopsis crassicaudata</i>	Fat-tailed Dunnart					X				
<i>Sminthopsis dolichura</i>	Little Long-tailed Dunnart					X				
<i>Sminthopsis longicaudata</i>	Long-tailed Dunnart				P4	X		X		
<i>Sminthopsis macroura</i>	Stripe-faced Dunnart					X			X	X
<i>Sminthopsis ooldea</i>	Ooldea Dunnart					X			X	X
<i>Sminthopsis youngsoni</i>	Lesser Hairy-footed Dunnart					X			X	
Thylacomyidae										
<i>Macrotis lagotis</i>	Greater Bilby, Dalgyte		VU	VU		X	X	X		
Macropodidae										
<i>Osphranter robustus erubescens</i>	Euro, Biggada					X			X	X
<i>Osphranter rufus</i>	Red Kangaroo, Marlu					X			X	X
<i>Petrogale lateralis lateralis</i>	Black-footed Rock-wallaby		EN	EN				X		
<i>Petrogale rothschildi</i>	Rothschild's Rock-wallaby					X			X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCA T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCA					
Muridae										
<i>Leggadina lakedownensis</i>	Short-tailed Mouse				P4			X		
<i>Mus musculus</i>	House Mouse	*				X	X		X	X
<i>Notomys alexis alexis</i>	Spinifex Hopping-mouse					X			X	
<i>Pseudomys chapmani</i>	Western Pebble-mound Mouse				P4	X		X	X	X
<i>Pseudomys delicatulus</i>	Delicate Mouse					X			X	
<i>Pseudomys desertor</i>	Desert Mouse					X			X	X
<i>Pseudomys hermannsburgensis</i>	Sandy Inland Mouse					X			X	X
<i>Pseudomys nanus nanus</i>	Western Chestnut Mouse					X				
<i>Zyzomys argurus</i>	Common Rock-rat					X			X	X
Leporidae										
<i>Oryctolagus cuniculus</i>	Rabbit	*				X	X		X	X
Rhinonycteridae										
<i>Rhinonicteris aurantia</i> (Pilbara form)	Pilbara Leaf-nosed Bat		VU	VU		X	X	X	X	
Megadermatidae										
<i>Macroderma gigas</i>	Ghost Bat		VU	VU		X	X	X	X	X
Emballonuridae										
<i>Saccolaimus flaviventris</i>	Yellow-bellied Sheath-tailed Bat					X			X	X
<i>Taphozous georgianus</i>	Common Sheath-tailed Bat					X			X	X
<i>Taphozous hilli</i>	Hill's Sheath-tailed Bat					X			X	X
Molossidae										
<i>Austronomus australis</i>	White-striped Free-tailed Bat					X			X	X
<i>Chaerephon jobensis</i>	Northern Free-tailed Bat					X			X	X
<i>Ozimops lumsdenae</i>	Northern Free-tailed Bat								X	X

Scientific Name	Common Name	Introduced	Conservation Codes			Nature Map	EPBC PMST	DBCAs T and P	Previous Surveys	Current Survey
			EPBC Act	BC Act	DBCAs					
Vespertilionidae										
<i>Chalinolobus gouldii</i>	Gould's Wattled Bat					X			X	X
<i>Chalinolobus morio</i>	Chocolate Wattled Bat					X			X	
<i>Nyctophilus daedalus</i>	Northwestern Long-eared Bat					X				
<i>Nyctophilus geoffroyi geoffroyi</i>	Lesser Long-eared Bat					X			X	
<i>Scotorepens greyii</i>	Little Broad-nosed Bat					X			X	X
<i>Vespadelus finlaysoni</i>	Finlayson's Cave Bat					X			X	X
Canidae										
<i>Canis familiaris</i>	Dog/Dingo	*					X		X	X
<i>Vulpes vulpes</i>	Red Fox	*					X			
Felidae										
<i>Felis catus</i>	Cat	*				X	X		X	X
Equidae										
<i>Equus asinus</i>	Donkey	*				X	X		X	
<i>Equus caballus</i>	Horse	*				X	X		X	
Camelidae										
<i>Camelus dromedarius</i>	Dromedary, Camel	*				X	X		X	X
Bovidae										
<i>Bos taurus</i>	European Cattle	*				X			X	X

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Appendix I: Vegetation Unit Mapping, Site Locations

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750000

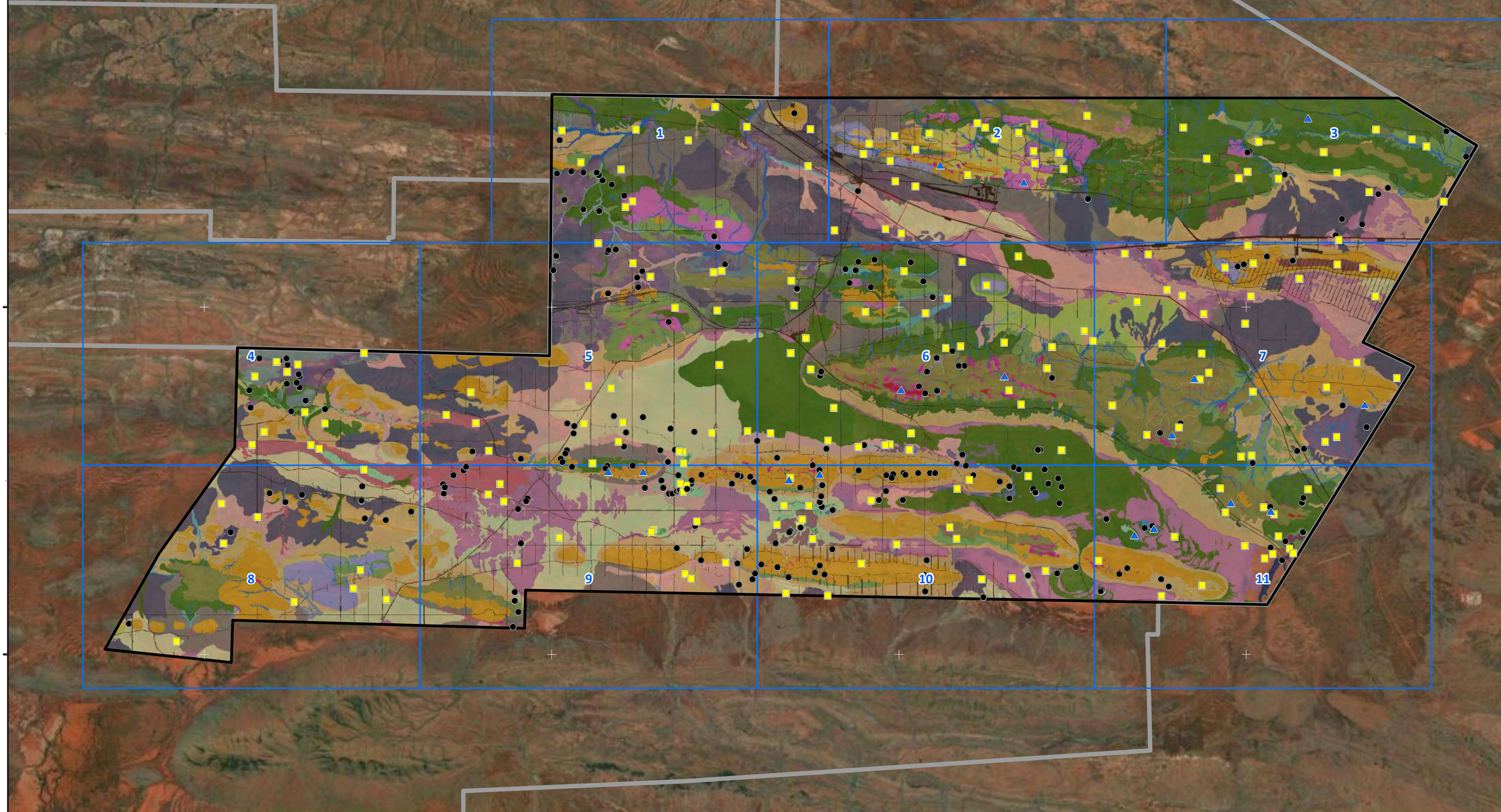
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

NVCP Area	Vegetation Unit	D12	H3	H19	H27	P3	P14
Rhodes Ridge Project Area	D1	D13	H10	H20	H33	P5	P15
Map Extent	D2	D15	H11	H21	H34	P8	P16
Sampling Sites	D4	D19	H12	H22	H42	P8/P9 Mosaic	P18
Quadrat	D5	G3	H14	H25	P1	P9	Rehab
Relevé	D8	G24	H15	H26	P1/P3 Mosaic	P13	Cleared
Vegetation mapping note							

7450000

7440000

7430000



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I: Vegetation Unit Mapping and Site Locations - Overview

Author: L. Dadour

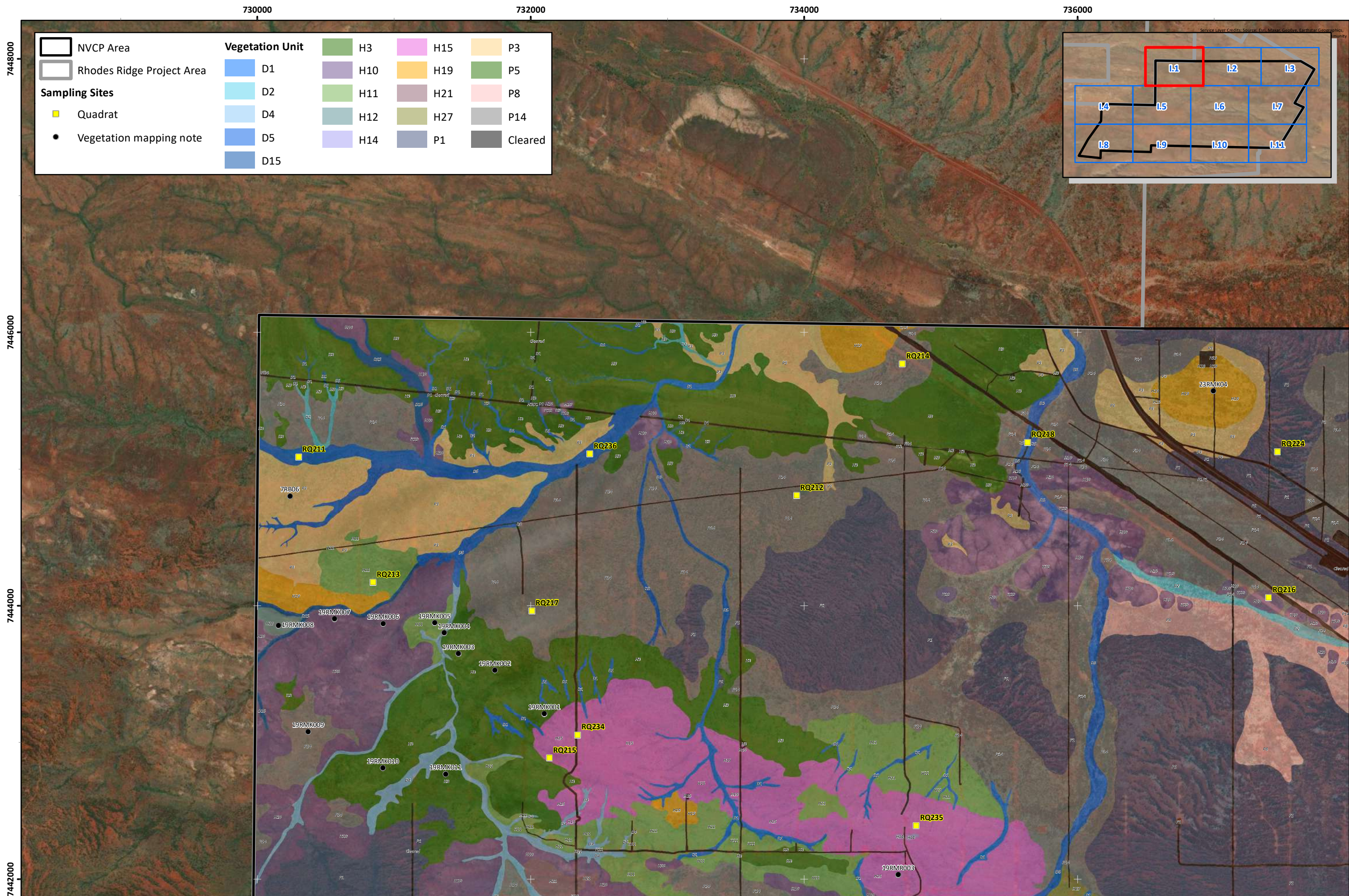
Drawn: C. Dyde

Scale: 1:115,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 22-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220322_Flora_VegMap_FigI_Overview



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I.1: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

Drawn: C. Dyde

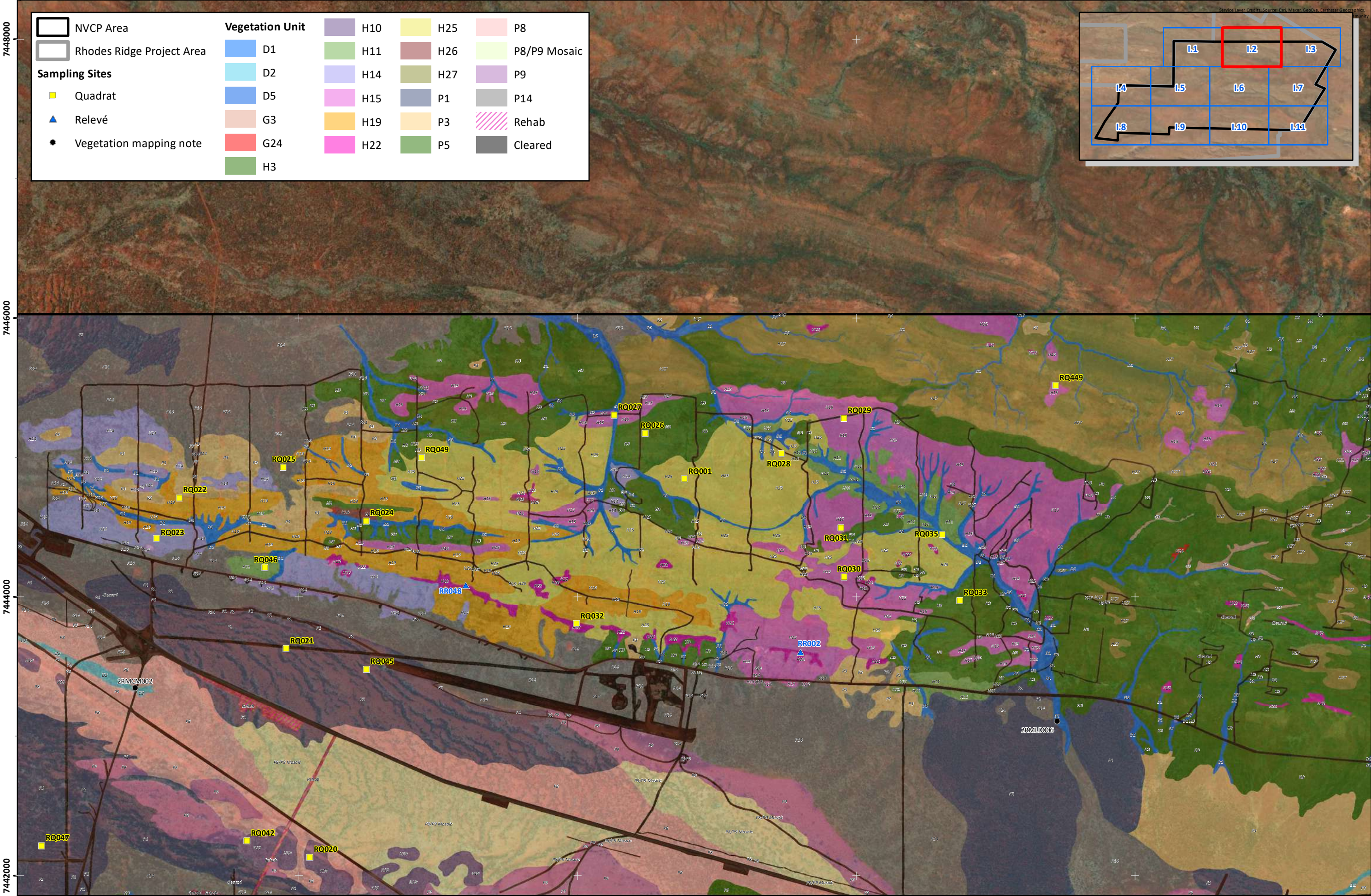
Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI

738000 740000 742000 744000 746000



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I.2: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

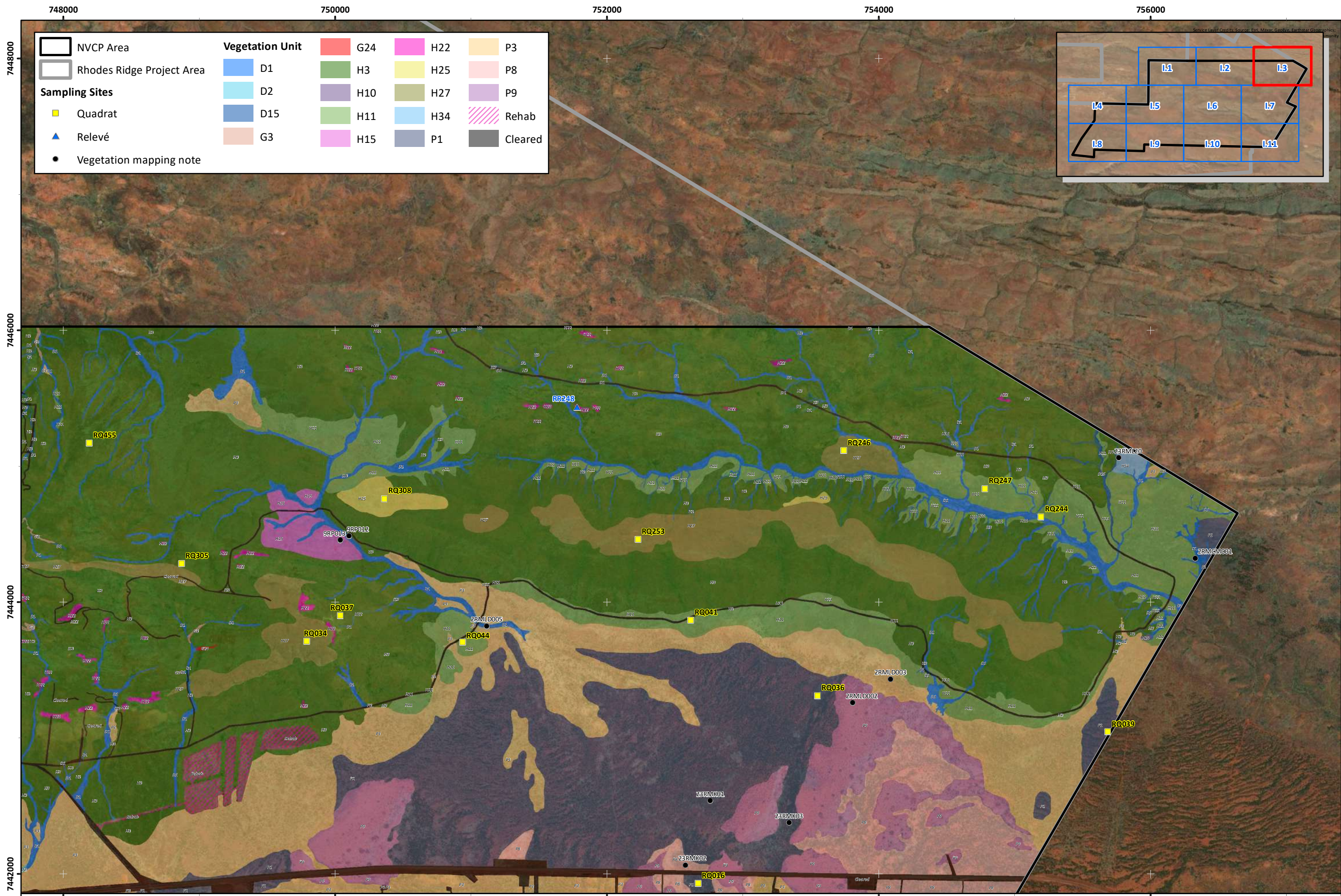
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I.3: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

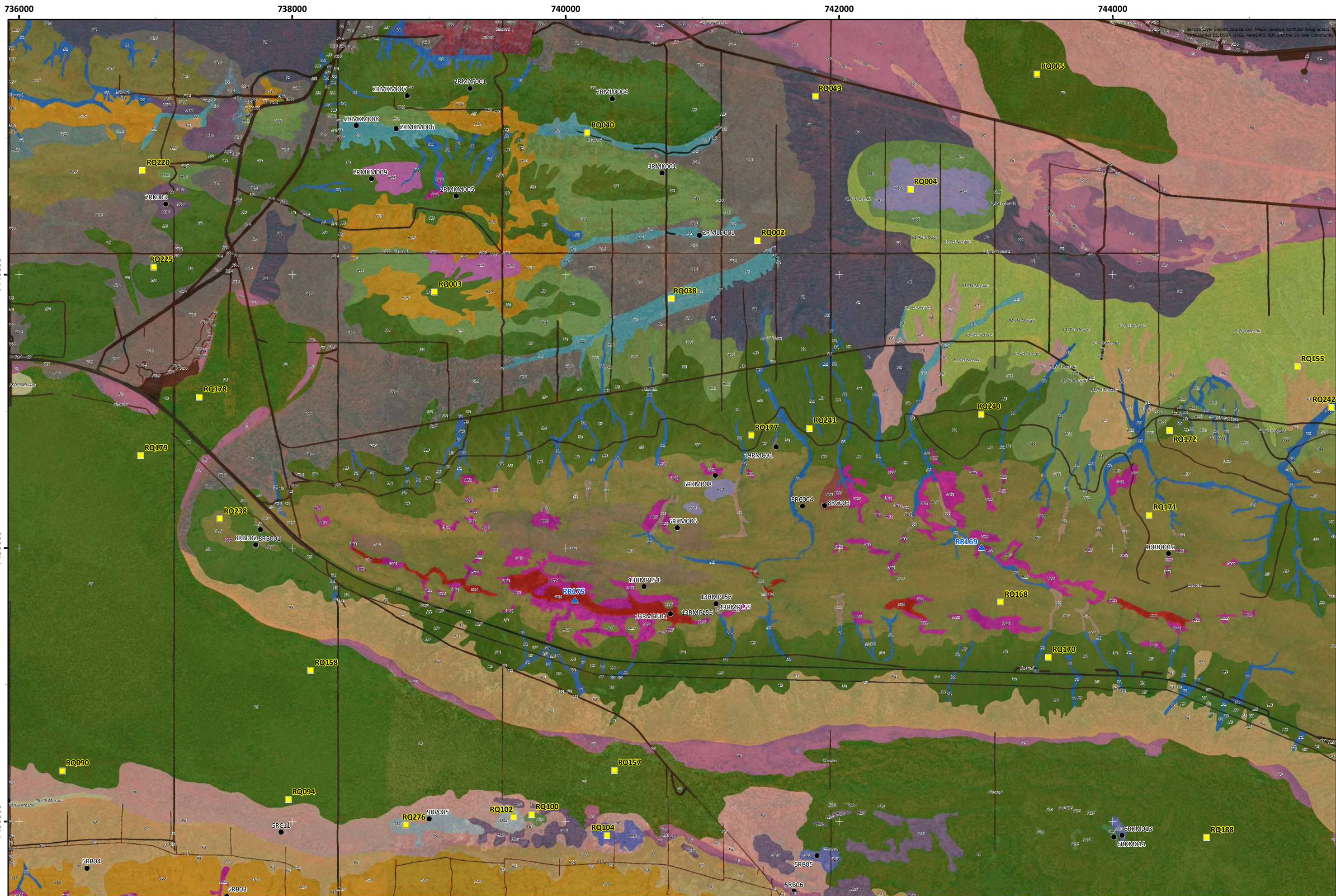
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50

Date: 18-03-2022



Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI



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Figure I.6: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

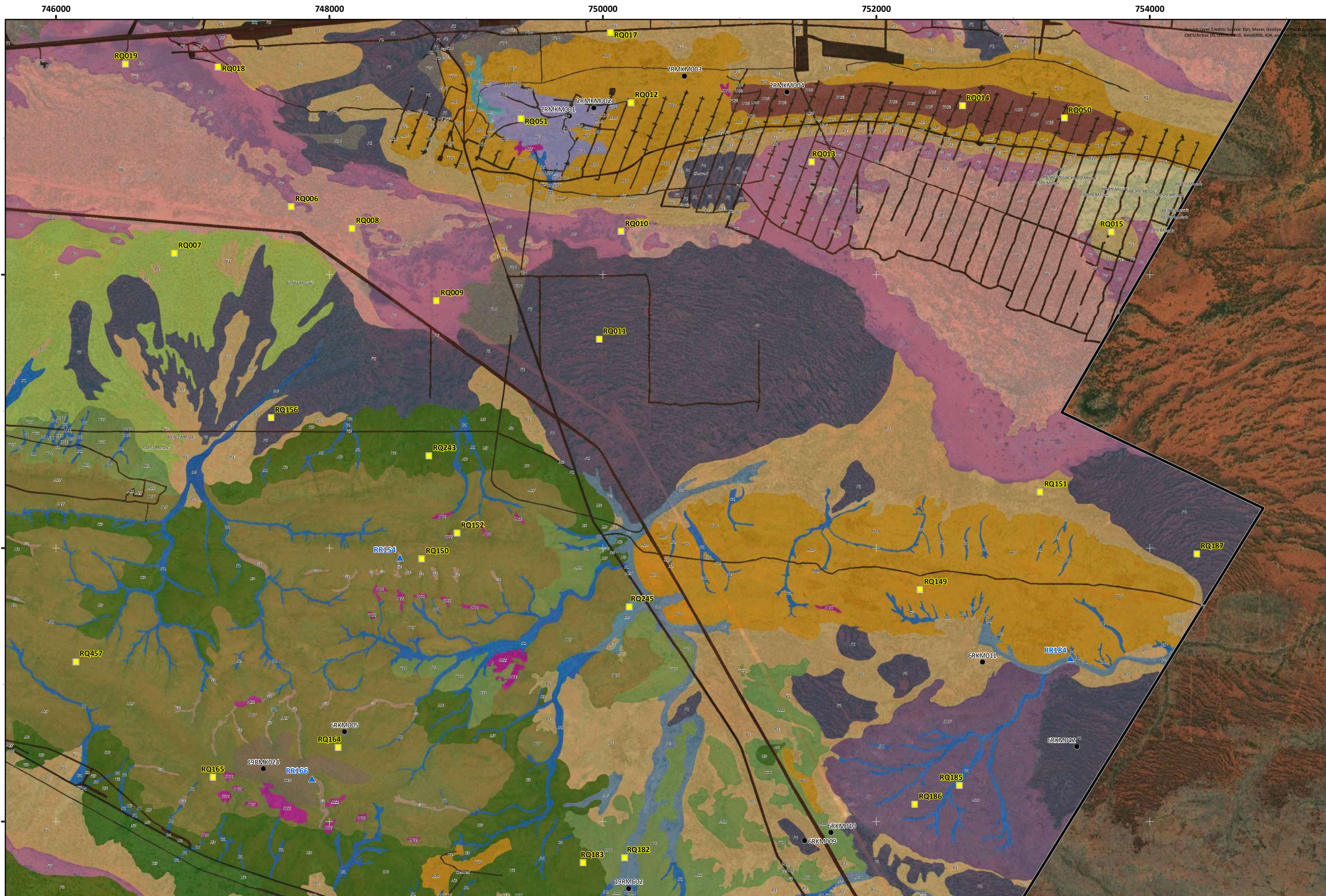
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50

Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI





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Rhodes Ridge NVCP, Flora

Figure I.7: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

Drawn: C. Dyde

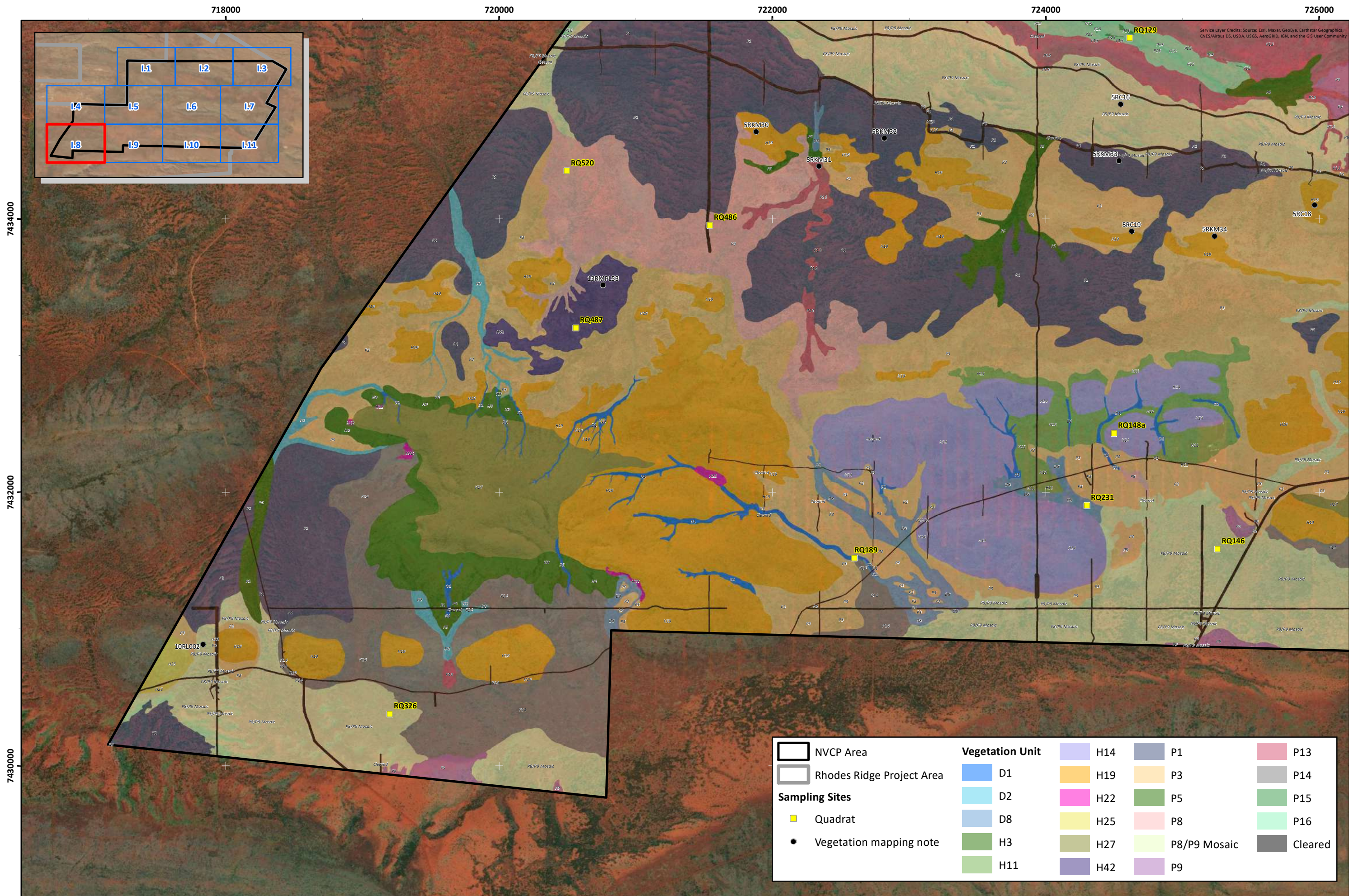
Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50

0 250 500 750 1,000 Metres



Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I.8: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

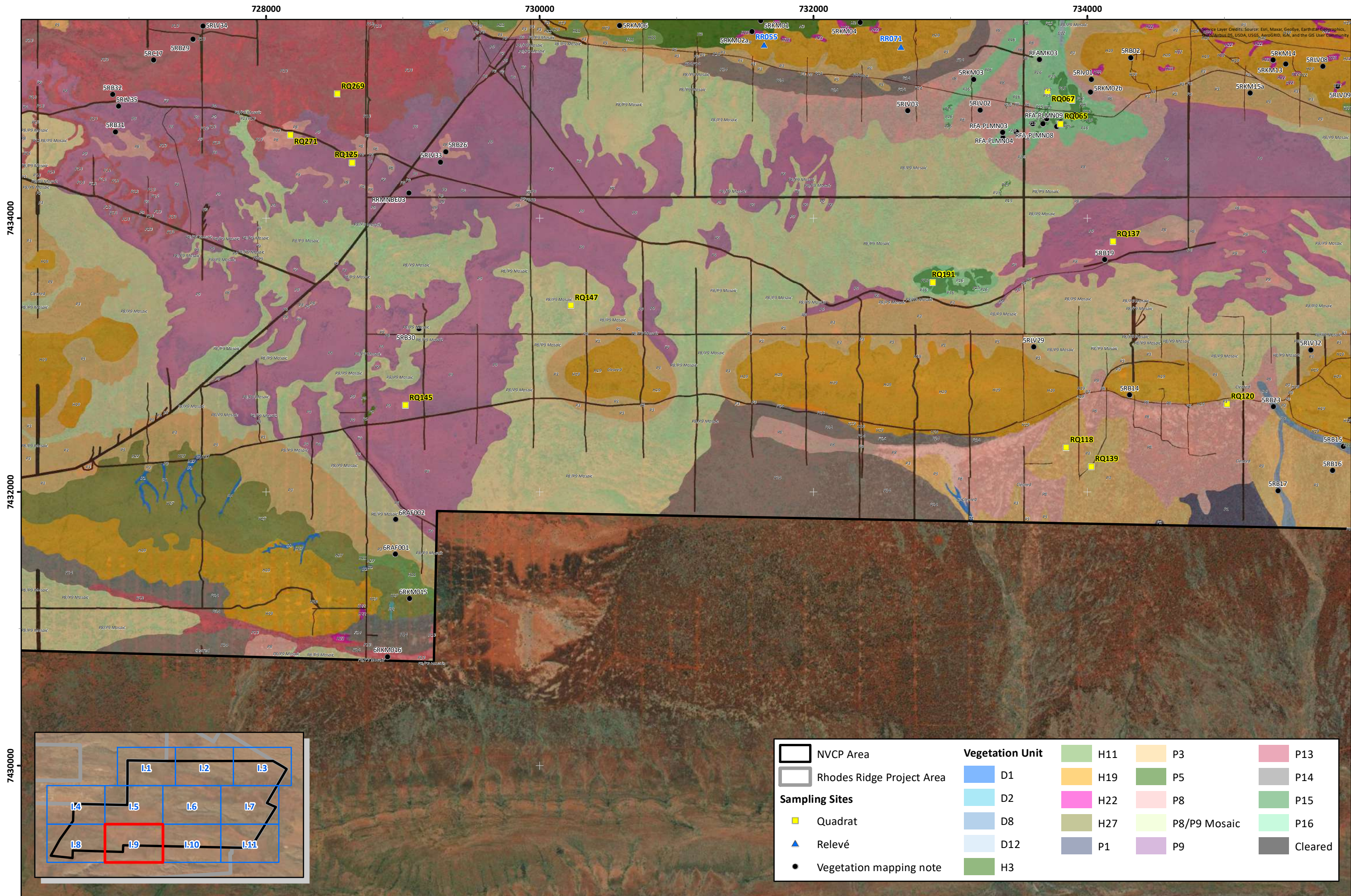
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres

Date: 18-03-2022



Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I.9: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

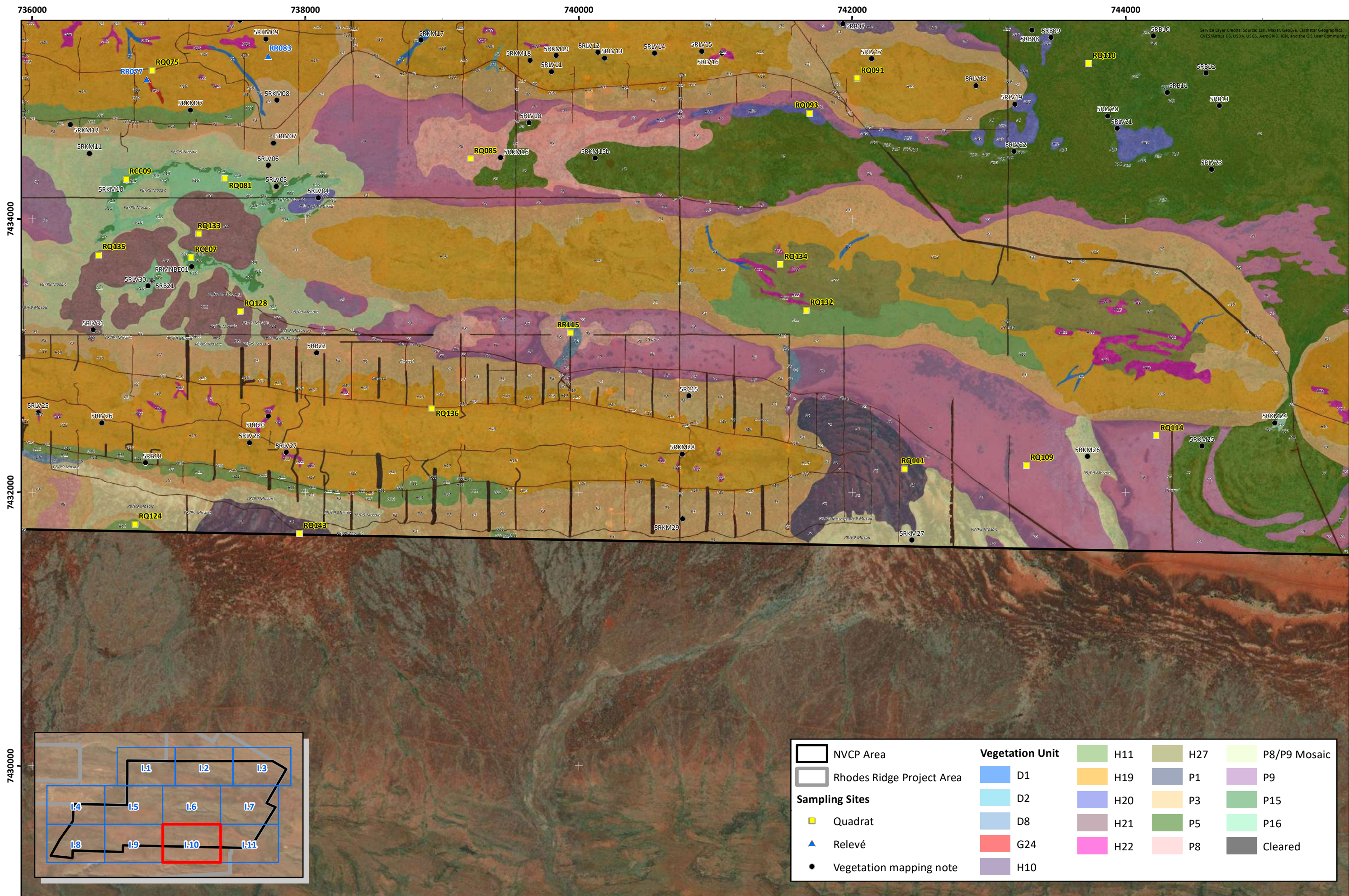
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I.10: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

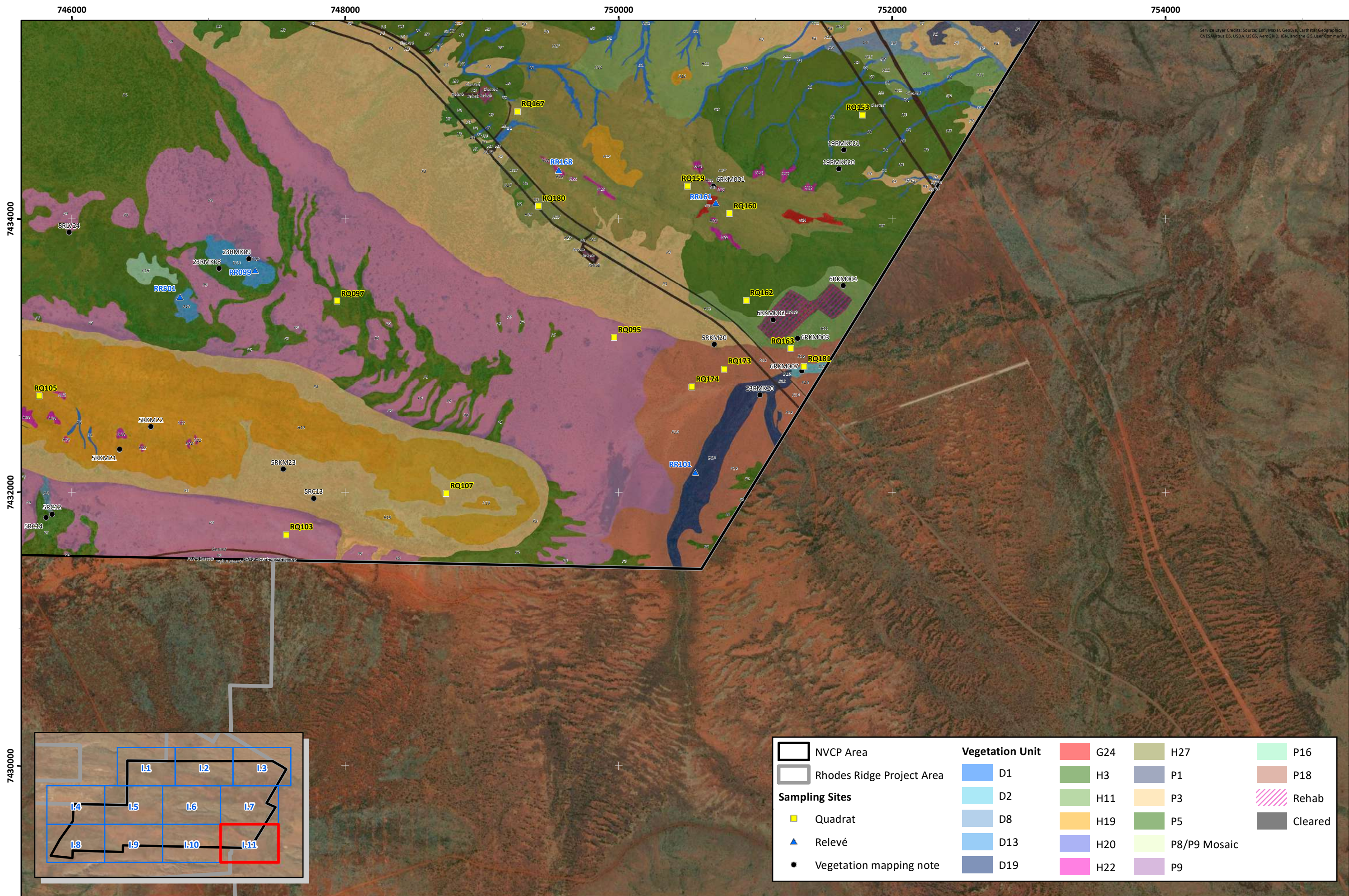
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 18-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure I.11: Vegetation Unit Mapping and Site Locations

Author: L. Dadour

Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres

Date: 18-03-2022



Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_VegMap_FigI

Vegetation of Drainage Lines

- D1** *Corymbia hamersleyana* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees to low open woodland over *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides* and *Grevillea wickhamii* subsp. *hispidula* tall open shrubland to tall open scrub over *Androcalva luteiflora*, *Acacia maitlandii* and *Santalum lanceolatum* scattered shrubs to shrubland over (*Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) and/or *Indigofera fractiflexa* subsp. *fractiflexa* scattered low shrubs to low open heath over) *Triodia pungens* very open hummock grassland to open hummock grassland over *Themeda triandra* (*Eriachne mucronata* and *Paraneurachne muelleri*) scattered tussock grasses to open tussock grassland.
- D2** *Eucalyptus xerothermica* scattered low trees to low open woodland over *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and/or *A. citrinoviridis* tall shrubland to tall open scrub over *Petalostylis labicheoides* (and other species) scattered low shrubs to open shrubland over *Triodia pungens* very open hummock grassland over *Chrysopogon fallax* scattered tussock grasses to very open tussock grassland.
- D4** *Eucalyptus camaldulensis* subsp. *refulgens* and *E. victrix* low open woodland to woodland over *Petalostylis labicheoides*, *Acacia citrinoviridis* and *Gossypium robinsonii* scattered tall shrubs to tall shrubland over *G. sturtianum* var. *sturtianum* (and *Androcalva luteiflora*) scattered shrubs to open shrubland over (*Triodia longiceps* and/or *T. pungens* scattered hummock grasses to very open hummock grassland over) *Themeda triandra*, *Eulalia aurea* and *Eriachne tenuiculmis* open tussock grassland with *Eragrostis tenellula* scattered annual grasses to very open annual grassland
- D5** *Eucalyptus xerothermica* (and *Corymbia hamersleyana*) low open woodland over *Petalostylis labicheoides*, *Eremophila longiflora* and *Androcalva luteiflora* tall open shrubland to tall shrubland over *Senna artemisioides* subsp. *x artemisioides*, *Gossypium sturtianum* var. *sturtianum* and *Santalum lanceolatum* scattered shrubs to open shrubland over *Triodia pungens*, *T. longiceps* and/or *T. wiseana* scattered hummock grasses to open hummock grassland over *Themeda triandra*, *Eulalia aurea* and *Chrysopogon fallax* tussock grassland (over *Eragrostis cumingii*, *Digitaria ctenantha* and/or *Perotis rara* scattered annual grasses to open annual grassland with *Arivela viscosa* and **Bidens bipinnata* scattered herbs to very open herbland).

Eucalyptus xerothermica low open woodland over *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and other *Acacia* spp. scattered tall shrubs to tall shrubland over (*Dipteracanthus australasicus* subsp. *australasicus*, *Ptilotus obovatus* var. *obovatus* and or other species low open shrubland over) *Themeda triandra* (*Eulalia aurea* and *Paraneurachne muelleri*) tussock grassland.

Eucalyptus victrix open woodland over *Acacia aptaneura* scattered tall shrubs to tall open shrubland over *Duma florulenta* (and *Rhagodia eremaea*) open shrubland to shrubland over *Chrysopogon fallax*, *Eriachne flaccida*, *Eulalia aurea* and/or other species very open tussock grassland with *Urochloa occidentalis* var. *ciliata*, *Digitaria ctenantha* and *Enneapogon polyphyllus* annual grassland on broad drainage depressions within crabhole clay plains. May represent 'Coolibah – Lignum Flats: sub type 1' priority 3 PEC

D13

D15

D19

Vegetation of Gorges and Gullies

- G3** *Corymbia hamersleyana*, *C. ferritcola* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Grevillea wickhamii* subsp. *hispidula*, *Acacia tumida* var. *pilbarensis* and *Androcalva luteiflora* tall shrubland over (*Acacia maitlandii* and *A. hamersleyensis* scattered shrubs to open shrubland over) *Triodia pungens* very open hummock grassland over *Eriachne mucronata*, *Themeda triandra* and *Cymbopogon ambiguus* very open tussock grassland.

Corymbia ferritcola (*Eucalyptus leucophloia* subsp. *leucophloia* and *Ficus brachypoda*) low open woodland to low woodland over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and/or *A. mulganeura* tall open shrubland over (*Dodonaea pachyneura* and other species scattered shrubs to open shrubland over) *Triodia pungens* (and *T. sp. Mt Ella* (M.E. Trudgen 12739) P3) very open hummock grassland to open hummock grassland with *Eriachne mucronata* very open tussock grassland.

G24

Vegetation of Hills and Slopes

- H3** *Eucalyptus leucophloia* subsp. *leucophloia* and/or *Corymbia deserticola* subsp. *deserticola* scattered low trees to low open woodland over *Hakea chordophylla*, *Acacia trudgeniana* and/or *A. inaequilatera* scattered tall shrubs to tall open shrubland (over *A. hilliana*, *A. bivenosa* and/or *Ptilotus rotundifolius* scattered shrubs to low open shrubland) over *Triodia vanleeuwenii* (and *T. pungens*, *T. wiseana* and/or *T. brizoides*) open hummock grassland to hummock grassland (over *Fimbristylis simulans* scattered sedges to very open sedgeland).
- H10** *Eucalyptus socialis* subsp. *eucentrica* and/or *E. repullulans* scattered low mallees to low mallee woodland over *Triodia wiseana* and *T. angusta* very open hummock grassland to hummock grassland.

(*Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees to low open woodland over) *Eucalyptus gamophylla* scattered low mallees to low mallee woodland over *Acacia bivenosa*, *Hakea chordophylla* and/or *A. trudgeniana* (and/or other *Acacia* spp.) scattered shrubs to tall open shrubland over (*Androcalva loxophylla*, *Seringia exastia* and/or *Scaevola parvifolia* scattered low shrubs to low open shrubland over) *Triodia vanleeuwenii* and *T. pungens* very open hummock grassland to hummock grassland.

H11

H12

(*Corymbia hamersleyana* and/or *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees to low open woodland over) *Acacia inaequilatera* (and/or *A. bivenosa*) scattered shrubs to tall open shrubland over (*Senna artemisioides* subsp. *oligophylla* scattered low shrubs over) *Triodia wiseana* open hummock grassland.

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Rhodes Ridge NVCP, Flora

Legend: Vegetation Unit Mapping



Vegetation of Hills and Slopes (cont'd)

- H14** *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees to low open woodland over *Acacia sibirica*, *A. bivenosa* and other *Acacia* spp. scattered shrubs to tall open shrubland over *Triodia vanleeuwenii* (and *T. pungens*) open hummock grassland to hummock grassland.
- H15** *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* (and/or *Acacia marramamba* or *A. pruinocarpa*) scattered tall shrubs over *A. arida* open shrubland to shrubland over *Triodia vanleeuwenii* (and *T. pungens* or *T. wiseana*) open hummock grassland to closed hummock grassland.
- H19** *Eucalyptus leucophloia* subsp. *leucophloia* and/or *Corymbia deserticola* subsp. *deserticola* scattered low trees to low open woodland over *Acacia pruinocarpa*, *A. aptaneura* and *A. catenulata* subsp. *occidentalis* (and other *Acacia* spp.) tall open shrubland (over *Eremophila exilifolia*, *Ptilotus rotundifolius* and/or *P. obovatus* scattered low shrubs to shrubland) over *Triodia pungens*, *T. vanleeuwenii* (and *T. wiseana*) hummock grassland.
- H20** *Eucalyptus victrix* (and *Corymbia candida*) scattered low trees to open woodland over *Acacia aptaneura*, *A. pruinocarpa* (and *A. tetragonophylla*) tall open shrubland to tall shrubland over *Ptilotus obovatus* var. *obovatus* low open shrubland to low shrubland over (*Triodia wiseana* open hummock grassland over **Cenchrus ciliaris* and *Themeda triandra* very open tussock grassland with) *Digitaria ctenantha*, *Enneapogon caerulescens* and *Enneapogon lindleyanus* open annual grassland.
- H21** *Eucalyptus socialis* subsp. *eucentrica* and *E. repullulans* scattered low mallees to low mallee woodland over (*Acacia bivenosa* and/or other *Acacia* spp. scattered tall shrubs to tall open shrubland over) *Melaleuca eleuterostachya* scattered shrubs to shrubland over *Triodia wiseana* and *T. angusta* very open hummock grassland to hummock grassland.
- H22** *Eucalyptus leucophloia* subsp. *leucophloia* (and *Corymbia ferritcola*) scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* (and *Grevillea berryana*) tall shrubland to tall open scrub over *Triodia pungens* scattered hummock grasses to open hummock grassland over *Eriachne mucronata* scattered tussock grasses to very open tussock grassland.

Eucalyptus leucophloia subsp. *leucophloia* (and *Corymbia deserticola* subsp. *deserticola*) scattered low trees to low open woodland over *Acacia marramamba*, *A. rhodophloia* and *A. sibirica* (and/or other *Acacia* spp.) scattered shrubs to tall open shrubland over *Triodia pungens* and *T. vanleeuwenii* very open hummock grassland to hummock grassland.

Corymbia hamersleyana (and *Eucalyptus leucophloia* subsp. *leucophloia*) low open woodland over *Acacia hamersleyensis*, *A. adsurgens* and *A. sibirica* (and other *Acacia* spp.) tall open scrub over *Triodia vanleeuwenii* and *T. wiseana* hummock grassland.

Eucalyptus leucophloia subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees to low open woodland over (*Hakea chordophylla* scattered tall shrubs over) *Seringia exastia*, *Acacia adoxa* var. *adoxo* and *Mirbelia viminalis* scattered low shrubs to low open shrubland over *Triodia vanleeuwenii*, *T. pungens* and/or *T. wiseana* open hummock grassland to hummock grassland.

Eucalyptus leucophloia subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees to low open woodland over *E. gamophylla* and *E. kingsmillii* low open mallee woodland over (*Acacia adoxa* var. *adoxo*, *A. hilliana* and *Seringia exastia* scattered low shrubs to low shrubland over) *Triodia pungens*, *T. vanleeuwenii* and/or *T. brizoides* open hummock grassland

Eucalyptus trivalva, *E. repullulans* (and *E. socialis* subsp. *eucentrica*) low open mallee woodland over *Triodia wiseana* open hummock grassland

Eucalyptus gamophylla and *E. kingsmillii* low open mallee woodland over *Acacia atkinsiana* (*A. kempeana*, *A. sibirica* and/or *A. rhodophloia*) tall open shrubland to tall shrubland over *A. spondylophylla* scattered low shrubs to low open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Vegetation of Pediments and Plains

- P1** *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. pruinocarpa* tall open shrubland to tall open scrub over *Sida ectogama*, *Eremophila forrestii* subsp. *forrestii* and/or *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3 scattered shrubs to open shrubland over (*Triodia pungens* and/or *T. melvillei* scattered hummock grasses to open hummock grassland over) *Aristida contorta*, *Perotis rara*, *Aristida obscura* (and other species) scattered annual grasses to open annual grassland (over **Bidens bipinnata* scattered herbs to open herbland), with strong to weak banding on sheet flow hard pan clay plains.
- P3** *Acacia pruinocarpa*, *A. catenulata* subsp. *occidentalis* and *A. aptaneura* tall open shrubland to tall open scrub over *Eremophila forrestii* subsp. *forrestii* scattered shrubs to shrubland over *Triodia pungens* very open hummock grassland to open hummock grassland on pediments and the edges of rocky plains.
- P1/P3 Mosaic** Mosaic of P1 weakly banded mulga vegetation with P3 rocky clay plain and pediment mulga shrublands
- P5** (*Eucalyptus victrix* scattered low trees to low open woodland over) *Acacia aptaneura* tall open shrubland to tall shrubland over (*Rhagodia eremaea* and or *Ptilotus obovatus* var. *obovatus* scattered low shrubs to shrubland over) *Aristida latifolia* and *Chrysopogon fallax* scattered tussock grasses to open tussock grassland over *Iseilema vaginiflorum*, *Urochloa occidentalis* var. *occidentalis* and *Enneapogon polyphyllus* very open annual grassland to annual grassland over **Bidens bipinnata* scattered herbs on crabhole clay plains.

(*Corymbia candida*, or *C. deserticola* subsp. *deserticola* and/or *Eucalyptus xerothermica* scattered low trees to open woodland over) *Acacia aptaneura* (*A. catenulata* subsp. *occidentalis* and *A. pruinocarpa*) tall open shrubland to tall open scrub over *Ptilotus obovatus* var. *obovatus* scattered low shrubs to low open shrubland over (*Triodia melvillei* scattered hummock grasses over) *Themeda triandra*, *Eriachne benthamii* and *Chrysopogon fallax* very open tussock grassland over *Aristida contorta*, *Perotis rara*, *Enneapogon polyphyllus* (and other species) scattered annual grasses to open annual grassland over **Bidens bipinnata* scattered herbs to very open herbland on hardpan clay plains.

Acacia aptaneura scattered tall shrubs to tall open shrubland over *Eremophila lanceolata* or *E. caespitosa* and/or *Ptilotus schwartzii* var. *schwartzii* scattered low shrubs over (*Eriachne benthamii* and/or *Chrysopogon fallax* scattered tussock grasses over) *Aristida contorta* (*Perotis rara*, *Paspalidium rarum* and other species) scattered annual grasses to open annual grassland on hardpan clay plains.

P8/P9 Mosaic Mosaic of sparsely vegetated P9 with P8 mulga shrublands over tussock grasses on hardpan clay plains

(*Eucalyptus xerothermica* scattered low trees over) *Acacia aptaneura* and *Hakea lorea* subsp. *lorea* scattered tall shrubs to tall open shrubland over *Themeda triandra* and *Chrysopogon fallax* open tussock grassland to tussock grassland over *Iseilema vaginiflorum*, *Enneapogon polyphyllus*, *Eragrostis cumingii* (and other species) very open annual grassland to annual grassland over *Ptilotus polystachyus* and *Rhodanthe charsleyae* scattered herbs to very open herbland on crabhole clay plains.

P14 *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. pruinocarpa* tall open shrubland to tall open scrub over (*Sida ectogama* and/or *Eremophila forrestii* subsp. *forrestii* scattered shrubs to shrubland over) *Triodia melvillei* very open hummock grassland to open hummock grassland (over *Aristida contorta* and *Enneapogon polyphyllus* scattered annual grasses to very open annual grassland) on pediments and the edges of rocky plains.

P15 *Astrebla elymoides* (*Astrebla pectinata*, *Aristida latifolia* and *Chrysopogon fallax*) open tussock grassland to tussock grassland over *Dichanthium sericeum* subsp. *humilius*, *Iseilema vaginiflorum*, *Urochloa occidentalis* var. *occidentalis* and other species very open annual grassland with *Ipomoea lonchophylla*, *Euphorbia coghlanii* and *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113) scattered herbs to open herbland on crabhole clay plains. May represent 'West Angelas Cracking-Clays' priority 1 PEC

Rehabilitation

Cleared

P16 (*Acacia aptaneura* scattered tall shrubs over) *Aristida latifolia*, *Eragrostis xerophila*, *Eriachne flaccida* (and other species) open tussock grassland (over mixed species scattered annual grasses to closed annual grassland with *Sida fibulifera* and *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113) scattered herbs to very open herbland) on crabhole clay plains.

P18 *Acacia aptaneura*, *A. tetragonophylla* and *A. catenulata* subsp. *occidentalis* tall open shrubland over *Eremophila galeata* scattered shrubs over (*Triodia pungens* scattered hummock grasses over) *Aristida contorta* (and other species) very open annual grassland on hard pan clay plains.

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Appendix J: Vegetation Sample Site Data

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Site: RCC01

Type: Quadrat

Date: 22/02/2020, 10/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 733874 **Northing:** 7434867

Habitat: self-mulching cracking clay with *minor* drainage

Soil: red brown loam

Rock type: Ironstone

Vegetation: *Astrelba elymoides*, *Aristida latifolia* and *Chrysopogon fallax* tussock grassland with *Dichanthium sericeum* subsp. *humilius*, *Panicum laevinode* and *Iseilema vaginiflorum* very open annual grassland with *Ipomoea lonchophylla*, *Euphorbia coghlanii* and *Vigna* sp.

Veg Condition: Very Good

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Astrelba elymoides</i>	45	0.7
<i>Ipomoea lonchophylla</i>	6	0.2
<i>Euphorbia coghlanii</i>	4	0.3
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	3	0.4
<i>Iseilema vaginiflorum</i>	1	0.4
<i>Panicum laevinode</i>	1	0.6
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	1	0.2
<i>Aristida latifolia</i>	0.5	0.7
<i>Boerhavia paludosa</i>	0.5	0.3
<i>Chrysopogon fallax</i>	0.5	0.7
<i>Neptunia dimorphantha</i>	0.5	0.3
* <i>Tribulus terrestris</i>	0.5	0.3
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.5
<i>Austrobryonia pilbarensis</i>	0.1	0.3
<i>Bulbostylis turbinata</i>	0.1	0.2
<i>Calandrinia pumila</i>	0.1	0.1

Name	Cover (%)	Height (m)
* <i>Cenchrus ciliaris</i>	0.1	0.7
<i>Centipeda minima</i>	0.1	0.1
<i>Commelina ensifolia</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0.1
<i>Corchorus tridens</i>	0.1	0.3
<i>Cucumis melo</i>	0.1	0.3
<i>Cullen graveolens</i>	0.1	0.4
<i>Cynodon convergens</i>	0.1	0.5
<i>Cyperus bulbosus</i>	0.1	0.2
<i>Cyperus iria</i>	0.1	0.3
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	0.1
<i>Enneapogon avenaceus</i>	0.1	0.2
<i>Enneapogon caeruleus</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis tenellula</i>	0.1	0.3
<i>Eragrostis xerophila</i>	0.1	0.3
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.2
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.3
* <i>Flaveria trinervia</i>	0.1	0.3
<i>Glycine falcata</i> P3	0.1	0.2
<i>Haloragis maierae</i>	0.1	0.3
<i>Hibiscus verdcourtii</i>	0.1	0.4
<i>Indigostrum parviflorum</i>	0.1	0.4
<i>Indigofera linifolia</i>	0.1	0.4
<i>Ischaemum albobillosum</i>	0.1	0.4
<i>Lotus cruentus</i>	0.1	0.1
<i>Mimulus gracilis</i>	0.1	0.15
<i>Operculina aequisejala</i>	0.1	0.3
<i>Panicum decompositum</i>	0.1	0.6
<i>Phyllanthus maderaspatensis</i>	0.1	0.4
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus gomphrenoides</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Rhagodia eremaea</i>	0.1	1.2
<i>Rhynchosia minima</i>	0.1	0.3
<i>Salsola australis</i>	0.1	0.6
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.4
<i>Senna notabilis</i>	0.1	0.1
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida spinosa</i>	0.1	0.3
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3	0.1	0.1
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1	0.4

* denotes weed species

Site: RCC02

Type: Quadrat

Date: 22/02/2020, 08/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 732932 Northing: 7433589

Habitat: cracking clay

Soil: red brown clay loam

Rock type: Ironstone

Vegetation: *Astrebla elymoides*, *Eragrostis xerophila* and *Chrysopogon fallax* tussock grassland with *Dichanthium sericeum* subsp. *humilius* very open annual grassland with *Euphorbia coghlanii*, *Boerhavia paludosa* and *Rhynchosia minima* very open herbland.

Veg Condition: Excellent

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	35	0.7
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	3	0.3
<i>Euphorbia coghlanii</i>	3	0.3
<i>Boerhavia paludosa</i>	2	0.7
<i>Chrysopogon fallax</i>	1	0.7
<i>Eragrostis xerophila</i>	1	0.3
<i>Ipomoea lonchophylla</i>	1	0.2
<i>Neptunia dimorphantha</i>	1	0.3
<i>Operculina aequisejala</i>	1	0.3
<i>Rhynchosia minima</i>	0.5	0.3
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.25
<i>Aristida latifolia</i>	0.1	0.7
<i>Arivela viscosa</i>	0.1	0.3
<i>Austrobryonia pilbarensis</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Bulbostylis turbinata</i>	0.1	0.1
<i>Calandrinia pumila</i>	0.1	0.1
<i>Calocephalus pilbarensis</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Commelina ensifolia</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.2
<i>Cucumis melo</i>	0.1	0.3
<i>Cullen graveolens</i>	0.1	0.2
<i>Cynodon convergens</i>	0.1	0.3
<i>Cyperus squarrosus</i>	0.1	0.05
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.2
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	0.1
<i>Enneapogon avenaceus</i>	0.1	0.3
<i>Enneapogon caeruleus</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis pergracilis</i>	0.1	0.2
<i>Eragrostis tenellula</i>	0.1	0.4
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	0.1
<i>Gomphrena kanisii</i>	0.1	0.2
<i>Haloragis maierae</i>	0.1	0.2
<i>Heliotropium conocarpum</i>	0.1	0.2
<i>Hibiscus verdcourtii</i>	0.1	0.4
<i>Indigofera linifolia</i>	0.1	0.3
<i>Ischaemum albavillosum</i>	0.1	0.6
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Lotus cruentus</i>	0.1	0.2
<i>Marsilea ?hirsuta</i>	0.1	0.1
<i>Mimulus gracilis</i>	0.1	0.1
<i>Panicum decompositum</i>	0.1	0.5
<i>Panicum laevinode</i>	0.1	0.4
<i>Peripleura arida</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia eremaea</i>	0.1	0.7
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida spinosa</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3	0.1	0.2
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.1
* <i>Tribulus terrestris</i>	0.1	0.3
<i>Salsola australis</i>	0	0.3

* denotes weed species

? denotes unconfirmed ID

Site: RCC05

Type: Quadrat

Date: 23/02/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 723078 Northing: 7436031

Habitat: self-mulching cracking clay with *minor* depression

Soil: red brown crabhole/self-mulching, clay loam

Rock type: Basalt

Vegetation: *Aristida latifolia*, *Astrelba elymoides* and *Chrysopogon fallax* tussock grassland with *Dichanthium sericeum* subsp. *humilius* and *Panicum laevinode* very open annual grassland with *Bulbostylis turbinata* scattered sedges with *Ipomoea lonchophylla*, *Operculina aequisejala* and *Neptunia dimorphantha* open herbland.

Veg Condition: Excellent

Fire Age: No fire evident

**Species List:**

Name	Cover (%)	Height (m)
<i>Aristida latifolia</i>	15	1.5
<i>Astrelba elymoides</i>	15	0.7
<i>Chrysopogon fallax</i>	8	1.5
<i>Ipomoea lonchophylla</i>	8	0.2
<i>Neptunia dimorphantha</i>	5	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	5	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	4	0.5
<i>Operculina aequisejala</i>	4	0.2
<i>Euphorbia coghlanii</i>	2	0.2
<i>Panicum laevinode</i>	1	0.8
<i>Ptilotus gomphrenoides</i>	1	0.2
<i>Bulbostylis turbinata</i>	0.5	0.1
<i>Sida fibulifera</i>	0.5	0.2
<i>Themeda triandra</i>	0.5	1.2
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Acacia aptaneura</i>	0.1	1
<i>Aristida contorta</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Blumea tenella</i>	0.1	0.2
<i>Bulbine pendula</i>	0.1	0.1
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Calandrinia Ptychosperma</i>	0.1	0.1
<i>Calandrinia pumila</i>	0.1	0.1
<i>Calocephalus pilbarensis</i>	0.1	0.2
<i>Calotis plumulifera</i>	0.1	0.2
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.3
<i>Cucumis melo</i>	0.1	0.2
<i>Cullen cinereum</i>	0.1	0.2
<i>Cullen graveolens</i>	0.1	0.1
<i>Cynodon convergens</i>	0.1	0.3
<i>Cyperus bulbosus</i>	0.1	0.2
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.5
<i>Eragrostis tenellula</i>	0.1	0.3
<i>Eragrostis xerophila</i>	0.1	0.2
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Haloragis maierae</i>	0.1	0.15
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Heliotropium tanythrix</i>	0.1	0.25
<i>Hibiscus brachysiphonius</i>	0.1	0.2
<i>Hibiscus verdcourtii</i>	0.1	0.3
<i>Indigofera linifolia</i>	0.1	0.2
<i>Ischaemum albavillosum</i>	0.1	0.6
<i>Iseilema membranaceum</i>	0.1	0.3
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Lotus cruentus</i>	0.1	0.15
<i>Mimulus gracilis</i>	0.1	0.1
<i>Paspalidium rarum</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.3
<i>Plantago cunninghamii</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Polymeria longifolia</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.05
<i>Ptilotus aevroides</i>	0.1	0.05
<i>Ptilotus carinatus</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.8

Name	Cover (%)	Height (m)
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.6
<i>Rhynchosia minima</i>	0.1	0.1
<i>Roebuckiella similis</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Sporobolus australasicus</i>	0.1	0.3
<i>Streptoglossa</i> sp.	0.1	0.1
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.1
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.2

Site: RCC06

Type: Quadrat

Date: 24/02/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 723311 **Northing:** 7435927

Habitat: self-mulching cracking clay with *minor* drainage

Soil: red brown crabhole/self-mulching, clay loam

Rock type: Basalt

Vegetation: *Astrelba elymoides*, *Aristida latifolia* and *Themeda triandra* tussock grassland with *Bulbostylis turbinata* scattered sedges with *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113), *Ipomoea lonchophylla* and *Cullen graveolens* open herbland.

Veg Condition: Very Good

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Astrelba elymoides</i>	20	0.7
<i>Aristida latifolia</i>	8	0.8
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	8	0.3
<i>Ipomoea lonchophylla</i>	7	0.3
<i>Themeda triandra</i>	6	1.5
<i>Chrysopogon fallax</i>	5	1.3
<i>Bulbostylis turbinata</i>	2	0.1
<i>Eriachne flaccida</i>	2	0.5
<i>Lotus cruentus</i>	2	0.2
<i>Sida fibulifera</i>	2	0.2
<i>Neptunia dimorphantha</i>	1.5	0.3
<i>Operculina aequisejala</i>	1	0.3
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Acacia aptaneura</i>	0.1	0.6
<i>Areocleome oxalidea</i>	0.1	0.1
<i>Arivela viscosa</i>	0.1	0.8
<i>Austrobryonia pilbarensis</i>	0.1	0.2
<i>Bergia pedicellaris</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>*Bidens bipinnata</i>	0.1	0.5
<i>Blumea tenella</i>	0.1	0.2
<i>Bulbine pendula</i>	0.1	0.1
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Calandrinia pumila</i>	0.1	0.1
<i>Calocephalus pilbarensis</i>	0.1	0.2
<i>Calotis plumulifera</i>	0.1	0.2
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0.1
<i>Corchorus tridens</i>	0.1	0.2
<i>Cucumis melo</i>	0.1	0.2
<i>Cullen cinereum</i>	0.1	0.2
<i>Cullen graveolens</i>	0.1	0.2
<i>Cynodon convergens</i>	0.1	0.3
<i>Cyperus iria</i>	0.1	0.3
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.6
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	0.1	0.6
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	0.1
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.2
<i>Elytrophorus spicatus</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis cumingii</i>	0.1	0.3
<i>Eragrostis tenellula</i>	0.1	0.3
<i>Eragrostis xerophila</i>	0.1	0.4
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia coghlanii</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Haloragis ?gossei</i>	0.1	0.2
<i>Haloragis maierae</i>	0.1	0.2
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Hibiscus brachysiphonius</i>	0.1	0.1
<i>Hibiscus verdcourtii</i>	0.1	0.2
<i>Indigofera linifolia</i>	0.1	0.3
<i>Ischaemum albobillosum</i>	0.1	6
<i>Iseilema vaginiflorum</i>	0.1	0.4
<i>Maireana villosa</i>	0.1	0.4
<i>Marsilea hirsuta</i>	0.1	0.15
<i>Mimulus gracilis</i>	0.1	0.2
<i>Panicum laevinode</i>	0.1	0.8
<i>Paspalidium rarum</i>	0.1	0.3
<i>Phyllanthus maderaspatensis</i>	0.1	0.4
<i>Pimelea holroydii</i>	0.1	0.3
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Polymeria longifolia</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.1
<i>Ptilotus carinatus</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus xerophilus</i>	0.1	0.7
<i>Rhynchosia minima</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Streptoglossa bubakii</i>	0.1	0.15
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.1
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3
<i>Wahlenbergia tumidifructa</i>	0.1	0.1

* denotes weed species

? denotes unconfirmed ID

Site: RCC07

Type: Quadrat

Date: 24/02/2020, 08/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 737164 Northing: 7433718

Habitat: self-mulching cracking clay with *minor* depression

Soil: red brown crabhole/self-mulching, clay loam

Rock type: Basalt

Vegetation: *Astrebla elymoides* tussock grassland with *Cynodon convergens*, *Iseilema* aff. *membranaceum* and *Urochloa occidentalis* var. *occidentalis* very open annual grassland with *Euphorbia coghlanii*, *Rhynchosia minima* and *Ipomoea lonchophylla* very open herbland.

Veg Condition: Very Good

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	60	0.7
<i>Euphorbia coghlanii</i>	4	0.3
<i>Ipomoea lonchophylla</i>	2	0.2
<i>Rhynchosia minima</i>	2	0.2
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	2	0.2
<i>Cynodon convergens</i>	1	0.3
<i>Grona muelleri</i>	1	0.2
<i>Indigofera linifolia</i>	1	0.2
<i>Iseilema</i> aff. <i>membranaceum</i>	1	0.4
<i>Hibiscus verdcourtii</i>	0.5	0.3
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.5	0.3
<i>Abutilon malvifolium</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida latifolia</i>	0.1	0.9
<i>Arivela viscosa</i>	0.1	0.4
<i>Astrebla pectinata</i>	0.1	0.8
<i>Austrobryonia pilbarensis</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Boerhavia paludosa</i>	0.1	0.4
<i>Calocephalus pilbarensis</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.5
<i>Corchorus tridens</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis xerophila</i>	0.1	0.3
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	0.1
<i>Haloragis maierae</i>	0.1	0.2
<i>Panicum decompositum</i>	0.1	0.6
<i>Panicum laevinode</i>	0.1	0.4
<i>Phyllanthus maderaspatensis</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus xerophilus</i>	0.1	0.2
<i>Rhagodia eremaea</i>	0.1	0.7
<i>Sida spinosa</i>	0.1	0.5
* <i>Tribulus terrestris</i>	0.1	0.2

* denotes weed species

Site: RCC08**Type:** Quadrat**Date:** 25/02/2020, 10/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 733796 **Northing:** 7435839**Habitat:** self-mulching cracking clay with *minor* drainage**Soil:** red brown clay loam**Rock type:** Basalt

Vegetation: *Eucalyptus victrix* and *Corymbia candida* low open woodland over *Hakea lorea* subsp. *lorea* scattered tall shrubs over *Astrebla elymoides*, *Aristida latifolia* and *Chrysopogon fallax* tussock grassland with *Dichanthium sericeum* subsp. *humilius* and *Urochloa occidentalis* var. *occidentalis* very open annual grassland with *Euphorbia coghlanii* and *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113) very open herbland.

Veg Condition: Very Good**Fire Age:** No fire evident**Species List:**

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	32	0.7
<i>Aristida latifolia</i>	8	0.8
<i>Chrysopogon fallax</i>	4	1.2
<i>Euphorbia coghlanii</i>	4	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	2	0.5
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	2	0.3
<i>Eucalyptus victrix</i>	1.5	5
<i>Eragrostis xerophila</i>	1	0.4
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	1	0.2
<i>Corchorus tridens</i>	0.5	0.2
<i>Corymbia candida</i>	0.5	9.5
<i>Cullen cinereum</i>	0.5	0.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.5	4
* <i>Tribulus terrestris</i>	0.5	0.3
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	3
<i>Arivela viscosa</i>	0.1	0.4

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Name	Cover (%)	Height (m)
<i>*Bidens bipinnata</i>	0.1	0.7
<i>Blumea tenella</i>	0.1	0.2
<i>Boerhavia paludosa</i>	0.1	0.4
<i>Commelina ensifolia</i>	0.1	0.3
<i>Convolvulus clementii</i>	0.1	0.2
<i>Cucumis melo</i>	0.1	0.1
<i>Cullen graveolens</i>	0.1	0.2
<i>Cynodon convergens</i>	0.1	0.4
<i>Cyperus bulbosus</i>	0.1	0.3
<i>Dactyloctenium radulans</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.1
<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>	0.1	0.3
<i>Enneapogon caeruleus</i>	0.1	0.2
<i>Enneapogon lindleyanus</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eragrostis tenellula</i>	0.1	0.3
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Glycine falcata</i> P3	0.1	0.2
<i>Gomphrena kanisii</i>	0.1	0.3
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia pascua</i>	0.1	2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Hibiscus verdcourtii</i>	0.1	0.4
<i>Indigofera linifolia</i>	0.1	0.2
<i>Ipomoea lonchophylla</i>	0.1	0.2
<i>Iseilema vaginiflorum</i>	0.1	0.5
<i>*Malvastrum americanum</i>	0.1	0.5
<i>Mimulus gracilis</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.2
<i>Panicum decompositum</i>	0.1	0.5
<i>Panicum laevinode</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.5
<i>Ptilotus carinatus</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	1.2
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Ptilotus xerophilus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	0.8
<i>Rhynchosia minima</i>	0.1	0.2
<i>Setaria dielsii</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Sida fibulifera</i>	0.1	0.2
<i>Streptoglossa</i> sp.	0.1	0.1
<i>Swainsona thompsoniana</i> P3	0.1	0.1

* denotes weed species

Site: RCC09

Type: Quadrat

Date: 25/02/2020, 08/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 736689 Northing: 7434289

Habitat: self-mulching cracking clay with *minor* depression

Soil: red brown clay loam

Rock type: Basalt

Vegetation: *Astrelba elymoides*, *Eragrostis xerophila* and *Chrysopogon fallax* open tussock grassland with *Aristida contorta* very open annual grassland with *Ipomoea lonchophylla*, *Euphorbia coghlanii* and *Rhynchosia minima* (*Glycine falcata* P3) open herbland.

Veg Condition: Excellent

Fire Age: No fire evident

**Species List:**

Name	Cover (%)	Height (m)
<i>Astrelba elymoides</i>	22	0.8
<i>Ipomoea lonchophylla</i>	8	0.2
<i>Aristida contorta</i>	3	0.3
<i>Euphorbia coghlanii</i>	3	0.2
<i>Glycine falcata</i> P3	2	0.2
<i>Rhynchosia minima</i>	2	0.2
<i>Eragrostis xerophila</i>	1.5	0.4
<i>Aristida latifolia</i>	1	0.8
<i>Chrysopogon fallax</i>	1	1.2
<i>Euphorbia australis</i> var. <i>glabra</i> P3	1	0.1
* <i>Tribulus terrestris</i>	1	0.2
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.3
<i>Austrobryonia pilbarensis</i>	0.1	0.2
<i>Boerhavia paludosa</i>	0.1	0.4
<i>Bothriochloa ewartiana</i>	0.1	0.6
<i>Commelina ensifolia</i>	0.1	0.3
<i>Convolvulus clementii</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Cucumis melo</i>	0.1	0.2
<i>Cynodon convergens</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.5
<i>Enneapogon caerulescens</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	0.1
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.7
<i>Haloragis</i> ? <i>gossei</i>	0.1	0.2
<i>Indigofera linifolia</i>	0.1	0.2
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Neptunia dimorphantha</i>	0.1	2
<i>Panicum decompositum</i>	0.1	0.5
<i>Phyllanthus maderaspatensis</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Rhagodia eremaea</i>	0.1	0.4
<i>Salsola australis</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.2

* denotes weed species

? denotes unconfirmed ID

Site: RCC10

Type: Quadrat

Date: 26/02/2020, 14/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 726973 Northing: 7436899

Habitat: self-mulching cracking clay with *minor* depression

Soil: red brown clay loam

Rock type: Basalt

Vegetation: *Astrebla elymoides*, *Ischaemum albobillosum* and *Aristida latifolia* tussock grassland with *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113), *Sida fibulifera* and *Neptunia dimorphantha* open herbland.

Veg Condition: Excellent

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	25	0.8
<i>Ischaemum albobillosum</i>	8	0.4
<i>Sida fibulifera</i>	3	0.2
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	3	0.2
<i>Neptunia dimorphantha</i>	2	0.3
<i>Aristida latifolia</i>	1	1.1
<i>Euphorbia coghlanii</i>	1	0.2
<i>Grona muelleri</i>	1	0.2
<i>Operculina aequisejala</i>	1	0.3
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.6
<i>Indigofera linifolia</i>	0.5	0.2
<i>Ipomoea lonchophylla</i>	0.5	0.2
<i>Streptoglossa bubakii</i>	0.5	0.4
<i>Swainsona thompsoniana</i> P3	0.5	0.05
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Acacia aptaneura</i>	0.1	3
<i>Areocleome oxalidea</i>	0.1	0.1
<i>Aristida contorta</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Astrebla pectinata</i>	0.1	0.6
<i>Austrobryonia pilbarensis</i>	0.1	0.2
<i>Bulbostylis turbinata</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Convolvulus clementii</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.2
<i>Cullen graveolens</i>	0.1	0.2
<i>Cynodon convergens</i>	0.1	0.3
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis tenellula</i>	0.1	0.5
<i>Eragrostis xerophila</i>	0.1	0.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.8
<i>Eriachne flaccida</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eulalia aurea</i>	0.1	0.7
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia microptera</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia pascua</i>	0.1	0.3
<i>Haloragis ?gossei</i>	0.1	0.2
<i>Heliotropium conocarpum</i>	0.1	0.2
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Hibiscus verdcourtii</i>	0.1	0.3
<i>Iseilema vaginiflorum</i>	0.1	0.4
<i>Lotus cruentus</i>	0.1	0.1
<i>Panicum laevinode</i>	0.1	0.5
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.2
<i>Pimelea holroydii</i>	0.1	0.6
<i>Polycarpha corymbosa</i> var. <i>corymbosa</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.02
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus aervoides</i>	0.1	0.1
<i>Ptilotus carinatus</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhynchosia minima</i>	0.1	0.2
<i>Roebuckiella similis</i>	0.1	1
<i>Salsola australis</i>	0.1	0.4
<i>Sida spinosa</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3	0.1	0.2
<i>Striga squamigera</i>	0.1	0.1
<i>Tephrosia</i> sp. clay soils (S. van Leeuwen et al. PBS 0273)	0.1	0.2
<i>Tragus australianus</i>	0.1	0.2

? denotes unconfirmed ID

Site: RFA-PLMN02

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733384 **Northing:** 7434587

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Astrebla elymoides</i>	0.25	0.8
<i>Eragrostis xerophila</i>	0.25	0.4
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Operculina aequisepala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN03

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733381 **Northing:** 7434624

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Astrebla elymoides</i>	0.25	0.8
<i>Eragrostis xerophila</i>	0.25	0.4
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Operculina aequisepala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN04

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733482 **Northing:** 7434629

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Astrebla elymoides</i>	0.25	0.8
<i>Eragrostis xerophila</i>	0.25	0.4
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Operculina aequisepala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN05

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733603 **Northing:** 7434690

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	8	0.8
<i>Chrysopogon fallax</i>	0.5	0.9
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Eragrostis xerophila</i>	0.5	0.4
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Operculina aequisejala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN06

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733676 **Northing:** 7434687

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	8	0.8
<i>Chrysopogon fallax</i>	0.5	0.9
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Eragrostis xerophila</i>	0.5	0.4
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Operculina aequisejala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN07

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733703 **Northing:** 7434726

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	8	0.8
<i>Chrysopogon fallax</i>	0.5	0.9
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Eragrostis xerophila</i>	0.5	0.4
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Operculina aequisejala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN08

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733776 **Northing:** 7434668

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	8	0.8
<i>Chrysopogon fallax</i>	0.5	0.9
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Eragrostis xerophila</i>	0.5	0.4
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Operculina aequisejala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN09

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733803 **Northing:** 7434701

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	8	0.8
<i>Hakea lorea</i> subsp. <i>lorea</i>	1	5
<i>Chrysopogon fallax</i>	0.5	0.9
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Eragrostis xerophila</i>	0.5	0.4
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Indigofera linnaei</i>	0.1	0.5
<i>Operculina aequisepala</i>	0.1	0.5
<i>Polymeria longifolia</i>	0.1	0.25
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFA-PLMN09a

Type: Mapping Note

Date: 13/08/2020

Described by: KMc / AF / PL

MGA zone: 50K

Easting: 733349 **Northing:** 7435531

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Calcrete

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	25	0.8
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.5	0.25
<i>Chrysopogon fallax</i>	0.1	0.9
<i>Corchorus tridens</i>	0.1	0.25
<i>Cullen cinereum</i>	0.1	0.4
<i>Eragrostis tenellula</i>	0.1	0.5
<i>Eragrostis xerophila</i>	0.1	0.4
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Operculina aequisepala</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.25

Site: RFAMK03
Date: 13/08/2020
MGA zone: 50K

Type: Mapping Note
Described by: KMc / AF / PL
Easting: 733650 **Northing:** 7435157

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Acacia aptaneura* scattered tall shrubs over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Aristida contorta* and *Eriachne pulchella* very open tussock grassland

Veg Condition: Good



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	3	0.2
<i>Acacia aptaneura</i>	1	2.8
<i>Eriachne pulchella</i>	1	0.1
<i>Eucalyptus xerothermica</i>	1	4.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.6

Site: RQ001

Type: Quadrat

Date: 03/07/2019, 22/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 742767 Northing: 7444846

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia rhodophloia*, *A. marramamba* and *Androcalva luteiflora* open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland with *Goodenia stobbsiana* scattered herbs

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.5
<i>Acacia rhodophloia</i>	3	1.8
<i>Triodia pungens</i>	1.5	0.4
<i>Acacia marramamba</i>	1	1.8
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	4
<i>Androcalva luteiflora</i>	0.5	1.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	3.5
<i>Goodenia stobbsiana</i>	0.5	0.4
<i>Acacia sibirica</i>	0.1	1.6
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6
<i>Dampiera candidans</i>	0.1	0.4
<i>Dolichocarpa crouchiana</i>	0.1	0.1
<i>Enneapogon caeruleus</i>	0.1	0.1
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Eremophila exilifolia</i>	0.1	0.7
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.4

Name	Cover (%)	Height (m)
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.2
<i>Euphorbia boophthona</i>	0.1	0.4
<i>Fimbristylis depauperata</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Goodenia vilmoriniae</i>	0.1	0.1
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	2.5
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Santalum lanceolatum</i>	0.1	2.3
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.3
<i>Senna glaucifolia</i>	0.1	2.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.5
<i>Sida arenicola</i>	0.1	1.4
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Solanum centrale</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.6

Site: RQ002

Type: Quadrat

Date: 04/07/2019, 11/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 741404 **Northing:** 7440250

Habitat: Plain

Soil: dark reddish brown hardsetting, sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. pruinocarpa* and *A. aptaneura* tall shrubland over *Sida ectogama* scattered shrubs over *Triodia melvillei* very open hummock grassland with *Chrysopogon fallax* scattered tussock grasses.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	5
<i>Acacia pruinocarpa</i>	5	4.5
<i>Acacia aptaneura</i>	3	3.5
<i>Triodia melvillei</i>	2	0.2
<i>Chrysopogon fallax</i>	1	1.3
<i>Sida ectogama</i>	1	1.2
<i>Grevillea berryana</i>	0.5	2.5
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Acacia ayersiana</i>	0.1	1.8
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.6
<i>Aristida inaequiglumis</i>	0.1	0.3
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.7
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Bulbostylis turbinata</i>	0.1	0.02
* <i>Cenchrus ciliaris</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Digitaria brownii</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	1.1
<i>Enneapogon caeruleus</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.5
<i>Euphorbia biconvexa</i>	0.1	0.25
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Indigofera linifolia</i>	0.1	0.3
<i>Iseilema dolichotrichum</i>	0.1	0.3
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.5
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpha corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.2
<i>Psyrax suaveolens</i>	0.1	1.4
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus polystachyus</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.8
<i>Senna notabilis</i>	0.1	0.5
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Spermacoce brachystema</i>	0.1	0.3

* denotes weed species

Site: RQ003

Type: Quadrat

Date: 04/07/2019, 11/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 739041 **Northing:** 7439873

Habitat: Hillcrest

Soil: dark reddish brown clay loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* scattered low trees over *Acacia bivenosa* and *Hakea chordophylla* tall open shrubland over *Triodia vanleeuwenii* (*T. pungens*) hummock grassland.

Veg Condition: Excellent

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	55	0.6
<i>Acacia bivenosa</i>	1.5	2.5
<i>Hakea chordophylla</i>	1	4.2
<i>Triodia pungens</i>	1	0.7
<i>Corymbia hamersleyana</i>	0.5	4
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5
<i>Acacia pachyacra</i>	0.1	0.6
<i>Amphipogon sericeus</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.15
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6
<i>Cymbopogon ambiguus</i>	0.1	1.1
<i>Eriachne lanata</i>	0.1	0.7
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia stobbsiana</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Indigofera monophylla</i>	0.1	0.6
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Pterocaulon</i> sp.	0.1	0.9
<i>Ptilotus rotundifolius</i>	0.1	0.9
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	1.6
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	0.6
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.5

Site: RQ004

Type: Quadrat

Date: 04/07/2019, 12/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 742520 Northing: 7440623

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia sibirica* and *A. aptaneura* tall open shrubland over *Senna glutinosa* subsp. *x luerssenii* scattered shrubs over *Triodia vanleeuwenii* open hummock grassland with *Eriachne mucronata* very open tussock grassland.

Veg Condition: Excellent**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	30	0.6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	4	5.5
<i>Acacia sibirica</i>	3	2.2
<i>Eriachne mucronata</i>	1.5	0.3
<i>Acacia aptaneura</i>	0.5	2.5
<i>Amphipogon sericeus</i>	0.5	0.2
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.5	1.8
<i>Acacia pruinocarpa</i>	0.1	1.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Corchorus</i> sp.	0.1	0.3
<i>Cymbopogon ambiguus</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.5
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.1
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.6
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.7
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Grevillea berryana</i>	0.1	1.2
<i>Hakea chordophylla</i>	0.1	2.2
<i>Haloragis gossei</i> var. <i>gossei</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus rotundifolius</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	2
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Themeda triandra</i>	0.1	0.5
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.4

Site: RQ005

Type: Quadrat

Date: 04/07/2019, 12/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 743448 Northing: 7441467

Habitat: Clay plain

Soil: dark reddish brown crabhole/self-mulching, silty clay

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Acacia aptaneura* tall shrubland over *Senna artemisioides* subsp. *oligophylla* scattered shrubs over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Chrysopogon fallax* scattered tussock grasses with *Enneapogon polyphyllus*, *Urochloa occidentalis* var. *occidentalis* and *Digitaria ctenantha* very open annual grasses with **Bidens bipinnata* scattered herbs with *Cucumis melo* scattered vines

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	25	7
<i>Enneapogon polyphyllus</i>	8	0.4
<i>Eucalyptus xerothermica</i>	1.5	6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1.5	0.6
<i>*Bidens bipinnata</i>	1	0.5
<i>Cucumis melo</i>	1	0.4
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	1	1.2
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	1	0.6
<i>Chrysopogon fallax</i>	0.5	1
<i>Digitaria ctenantha</i>	0.5	0.5
<i>Abutilon ?lepidum</i>	0.1	0.1
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.7
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Aristida latifolia</i>	0.1	0.8
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.6

Rio Tinto
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Name	Cover (%)	Height (m)
<i>Boerhavia coccinea</i>	0.1	0.1
* <i>Chloris virgata</i>	0.1	0.8
<i>Commelina ensifolia</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Dactyloctenium radulans</i>	0.1	0.3
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.5
<i>Enneapogon lindleyanus</i>	0.1	0.6
<i>Eriachne mucronata</i>	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.1
<i>Iseilema dolichotrichum</i>	0.1	0.2
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.6
<i>Maireana villosa</i>	0.1	0.3
* <i>Malvastrum americanum</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.4
<i>Rhagodia eremaea</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Salsola australis</i>	0.1	0.1
<i>Setaria dielsii</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Sporobolus australasicus</i>	0.1	0.05

* denotes weed species

? denotes unconfirmed ID

Site: RQ006

Type: Quadrat

Date: 04/07/2019, 27/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 747721 Northing: 7440497

Habitat: Plain

Soil: dark reddish brown surface crust, silty clay loam

Rock type: Ironstone

Vegetation: *Corymbia candida* and *Eucalyptus xerothermica* open woodland over *Acacia aptaneura* (*A. catenulata* subsp. *occidentalis*) tall shrubland over *Ptilotus obovatus* scattered low shrubs over *Enneapogon polyphyllus* and *Chrysopogon fallax* very open tussock grassland

Veg Condition: Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	21	4
<i>Enneapogon polyphyllus</i>	5	0.4
* <i>Bidens bipinnata</i>	2	0.3
<i>Corymbia candida</i>	1	14
<i>Eucalyptus xerothermica</i>	1	11
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	4.5
<i>Chrysopogon fallax</i>	0.5	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.4
<i>Acacia pruinocarpa</i>	0.1	3.5
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.5
Asteraceae sp.	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Boerhavia repleta</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
* <i>Chloris virgata</i>	0.1	0.6

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Name	Cover (%)	Height (m)
<i>Commelina ensifolia</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0.05
<i>Corchorus tridens</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Enneapogon robustissimus</i>	0.1	0.2
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Iseilema membranaceum</i>	0.1	0.2
<i>Maireana villosa</i>	0.1	0.2
* <i>Malvastrum americanum</i>	0.1	0.4
<i>Panicum effusum</i>	0.1	0.3
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.05
<i>Portulaca filifolia</i>	0.1	0.2
<i>Psydrax suaveolens</i>	0.1	1
<i>Pterocaulon sphacelatum</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2
<i>Salsola australis</i>	0.1	0.3
<i>Setaria dielsii</i>	0.1	0.2
* <i>Setaria verticillata</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.7
<i>Triraphis mollis</i>	0.1	0.5
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ007

Type: Quadrat

Date: 04/07/2019, 13/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 746865 Northing: 7440157

Habitat: Clay plain

Soil: dark reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall open scrub over *Triodia pungens* open hummock grassland with *Enneapogon polyphyllus* and *Perotis rara* very open annual grassland with *Cheilanthes sieberi* subsp. *sieberi* scattered ferns.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	35	4
<i>Triodia pungens</i>	28	0.6
<i>Enneapogon polyphyllus</i>	5	0.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	4.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	1	0.4
<i>Acacia pruinocarpa</i>	0.5	3.5
<i>Perotis rara</i>	0.5	0.1
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Aristida ?inaequiglumis</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.5
<i>Aristida obscura</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Digitaria ctenantha</i>	0.1	0.5
<i>Enneapogon caeruleus</i>	0.1	0.3
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.9

Name	Cover (%)	Height (m)
<i>Eriachne aristidea</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.2
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Leichhardtia australis</i>	0.1	2.5
<i>Maireana villosa</i>	0.1	0.3
<i>Panicum decompositum</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.6
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus gaudichaudii</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1
<i>Ptilotus polystachyus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Senna notabilis</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5

* denotes weed species

? denotes unconfirmed ID

Site: RQ008

Type: Quadrat

Date: 05/07/2019, 27/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 748165 Northing: 7440338

Habitat: Plain

Soil: dark reddish brown surface crust, silty clay loam

Rock type: Ironstone

Vegetation: *Corymbia candida* open woodland over *Eucalyptus xerothermica* scattered low trees over *Acacia aptaneura* tall shrubland over *Ptilotus obovatus* scattered low shrubs over *Enneapogon polyphyllus*, *Digitaria ctenantha* and *Urochloa occidentalis* var. *occidentalis*

Veg Condition: Very Good

Fire Age: >10 years

**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	15	4
<i>Enneapogon polyphyllus</i>	4	0.4
<i>Corymbia candida</i>	2	17
<i>Digitaria ctenantha</i>	2	0.3
* <i>Bidens bipinnata</i>	1	0.4
<i>Eucalyptus xerothermica</i>	1	3.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.8
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.5	0.2
? <i>Eriachne benthamii</i>	0.1	0.3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.5
<i>Acrachne racemosa</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	1.2
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3
* <i>Chloris virgata</i>	0.1	0.7

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Name	Cover (%)	Height (m)
<i>Chrysopogon fallax</i>	0.1	0.7
<i>Commelina ensifolia</i>	0.1	0.1
<i>Convolvulus clementii</i>	0.1	0
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	0
<i>Enneapogon robustissimus</i>	0.1	0.6
<i>Euphorbia biconvexa</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	1.1
<i>Iseilema vaginiflorum</i>	0.1	0.1
<i>Maireana villosa</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2
<i>Salsola australis</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Setaria dielsii</i>	0.1	0.3
* <i>Setaria verticillata</i>	0.1	0.4
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Tragus australianus</i>	0.1	0.1

* denotes weed species

? denotes unconfirmed ID

Site: RQ009

Type: Quadrat

Date: 05/07/2019, 27/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 748783 Northing: 7439810

Habitat: Clay plain

Soil: reddish brown surface crust, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila lanceolata* low shrubland over *Aristida contorta* (*Perotis rara*) very open annual grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Eremophila lanceolata</i>	12	0.3
<i>Aristida contorta</i>	8	0.2
<i>Acacia aptaneura</i>	3	4
<i>Perotis rara</i>	0.5	0.1
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia ayersiana</i>	0.1	4
<i>Aristida inaequiglumis</i>	0.1	0.8
<i>Aristida obscura</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Dysphania kalpari</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eriachne flaccida</i>	0.1	0.4
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena lanata</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Maireana villosa</i>	0.1	0.2
<i>Monachather paradoxus</i>	0.1	0.2
<i>Panicum decompositum</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.1
<i>Paspalidium rarum</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca filifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	2
<i>Ptilotus gaudichaudii</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2
<i>Roebuckiella similis</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.1
<i>Sida fibulifera</i>	0.1	0.05
<i>Sida platycalyx</i>	0.1	0.3
<i>Sida</i> sp. tiny glabrous fruit (A.A. Mitchell PRP1152)	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Swainsona formosa</i>	0.1	0.1
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Tripogonella loliiformis</i>	0.1	0.1
<i>Waltheria indica</i>	0.1	0.4

Site: RQ010

Type: Quadrat

Date: 05/07/2019, 13/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 750134 **Northing:** 7440317

Habitat: Plain

Soil: dark reddish brown hardsetting, silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* and *Corymbia candida* scattered low trees over *Acacia aptaneura* tall open shrubland over *Eriachne flaccida*, *Eriachne benthamii* and *Themeda triandra* open tussock grassland with *Aristida contorta*, *Perotis rara* and *Dichanthium sericeum* subsp. *humilius* open annual grassland.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eriachne flaccida</i>	15	0.4
<i>Eriachne benthamii</i>	10	0.6
<i>Acacia aptaneura</i>	7	7
<i>Aristida contorta</i>	6	0.3
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	4	1.1
<i>Eragrostis cumingii</i>	4	0.3
<i>Perotis rara</i>	4	0.1
<i>Themeda triandra</i>	2	0.1
<i>Chrysopogon fallax</i>	1	1.2
<i>Corymbia candida</i>	0.5	5
<i>Eremophila lanceolata</i>	0.5	0.4
<i>Eucalyptus xerothermica</i>	0.5	5
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.6
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia pruinocarpa</i>	0.1	2.3
<i>Aristida obscura</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.5

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Name	Cover (%)	Height (m)
* <i>Cenchrus ciliaris</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.25
* <i>Chloris virgata</i>	0.1	0.8
<i>Convolvulus clementii</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Dysphania glomulifera</i> subsp. <i>eremaea</i>	0.1	0.05
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis pergracilis</i>	0.1	0.1
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.1
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia nuda</i> P4	0.1	0.3
<i>Heliotropium tanythrix</i>	0.1	0.15
<i>Iseilema vaginiflorum</i>	0.1	0.3
* <i>Malvastrum americanum</i>	0.1	0.5
<i>Paspalidium rarum</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.6
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus helipteroides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.4
<i>Roebuckiella similis</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.2
<i>Setaria dielsii</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Stenopetalum nutans</i>	0.1	0.15
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3

* denotes weed species

Site: RQ011

Type: Quadrat

Date: 05/07/2019, 14/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 749974 **Northing:** 7439528

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. pruinocarpa* and *Grevillea berryana* tall shrubland over *Digitaria ctenantha*, *Aristida contorta* and *Perotis rara* very open annual grassland with *Cheilanthes sieberi* subsp. *sieberi* very open fernland.

Veg Condition: Very Good

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	25	5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	2	0.2
<i>Digitaria ctenantha</i>	2	0.3
<i>Acacia incurvaneura</i>	1	5
<i>Acacia pruinocarpa</i>	1	5
<i>Aristida contorta</i>	1	0.2
<i>Grevillea berryana</i>	1	3.5
<i>Perotis rara</i>	1	0.2
<i>Acacia aptaneura</i>	0.1	2.5
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.5
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria brownii</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.1
<i>Eriachne aristidea</i>	0.1	0.6
<i>Eriachne benthamii</i>	0.1	0.8
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Heliotropium heteranthum</i>	0.1	0.01
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Iseilema dolichotrichum</i>	0.1	0.1
<i>Maireana villosa</i>	0.1	0.2
<i>Panicum decompositum</i>	0.1	0.6
<i>Paspalidium clementii</i>	0.1	0.5
<i>Psydrax suaveolens</i>	0.1	1.6
<i>Ptilotus helipteroides</i>	0.1	0.02
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Ptilotus roei</i>	0.1	0.03
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.3
<i>Senna notabilis</i>	0.1	0.15
<i>Sida ectogama</i>	0.1	1.2
<i>Solanum lasiophyllum</i>	0.1	0.05
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Thyridolepis xerophila</i>	0.1	0.4
<i>Tribulus astrocarpus</i>	0.1	0.01

* denotes weed species

Site: RQ012

Type: Quadrat

Date: 05/07/2019, 13/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 750206 Northing: 7441257

Habitat: Hillslope

Soil: dark reddish brown hardsetting, silty clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Acacia adsurgens*, *A. aptaneura* and *A. rhodophloia* tall shrubland over *Eremophila exilifolia* shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.5
<i>Acacia adsurgens</i>	10	2.3
<i>Eremophila exilifolia</i>	10	1.2
<i>Acacia aptaneura</i>	5	2.5
<i>Acacia rhodophloia</i>	5	3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1.5	4
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	4.5
<i>Triodia pungens</i>	0.5	0.3
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.6
<i>Acacia ancistrocarpa</i>	0.1	3.5
<i>Acacia pruinocarpa</i>	0.1	1.3
<i>Acacia tetragonophylla</i>	0.1	2.5
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Corchorus</i> sp.	0.1	0.1
<i>Cymbopogon obtectus</i>	0.1	0.7
<i>Duperreya commixta</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.5

Name	Cover (%)	Height (m)
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3
<i>Exocarpos sparteus</i>	0.1	0.7
<i>Gompholobium oreophilum</i>	0.1	1
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Grevillea berryana</i>	0.1	1.8
<i>Hakea chordophylla</i>	0.1	2.5
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.3
<i>Panicum laevinode</i>	0.1	0.4
<i>Psyrax latifolia</i>	0.1	1.5
<i>Psyrax suaveolens</i>	0.1	1.9
<i>Pterocaulon sphacelatum</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.5
<i>Senna glaucifolia</i>	0.1	1.5
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.6
<i>Solanum centrale</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.7
<i>Stemodia grossa</i>	0.1	0.9
<i>Themeda triandra</i>	0.1	0.6
<i>Tribulus suberosus</i>	0.1	0.8

Site: RQ013

Type: Quadrat

Date: 05/07/2019, 14/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 751529 Northing: 7440826

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila lanceolata* scattered low shrubs over *Eriachne benthamii* very open tussock grassland with *Aristida contorta* open annual grassland.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	10	0.3
<i>Acacia aptaneura</i>	3	5
<i>Eriachne benthamii</i>	3	0.7
<i>Eremophila lanceolata</i>	0.5	0.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	2.1
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	1.3
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.6
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis xerophila</i>	0.1	0.6
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.7
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis depauperata</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Heliotropium cunninghamii</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Hibiscus coatesii</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus gaudichaudii</i>	0.1	0.2
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Teucrium teucriiflorum</i>	0.1	0.6
<i>Themeda triandra</i>	0.1	0.4

* denotes weed species

Site: RQ014

Type: Quadrat

Date: 05/07/2019, 14/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 752630 Northing: 7441236

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* low open woodland over *Acacia adsurgens*, *A. hamersleyensis* and *A. catenulata* subsp. *occidentalis* tall open scrub over *A. rhodophloia* and *A. marramamba* open shrubland over *Triodia vanleeuwenii* and *T. wiseana* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	30	0.5
<i>Acacia adsurgens</i>	26	2.1
<i>Triodia wiseana</i>	12	1.2
<i>Acacia marramamba</i>	2	2
<i>Corymbia hamersleyana</i>	2	6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	4.5
<i>Acacia hamersleyensis</i>	1.5	2.5
<i>Acacia aptaneura</i>	1	2.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	2.5
<i>Acacia pruinocarpa</i>	1	2.8
<i>Acacia rhodophloia</i>	1	1.2
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	1
<i>Eremophila exilifolia</i>	0.1	1.1
<i>Eremophila latrobei</i>	0.1	2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.9
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	2.5

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Name	Cover (%)	Height (m)
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Exocarpos sparteus</i>	0.1	1.1
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Grevillea berryana</i>	0.1	1.8
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3
<i>Paspalidium clementii</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	1.6
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	2.5
<i>Senna glaucifolia</i>	0.1	1.7
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.8
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	0.6

* denotes weed species

Site: RQ015

Type: Quadrat

Date: 05/07/2019, 15/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 753718 **Northing:** 7440314

Habitat: Hillcrest

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia pruinocarpa*, *A. aptaneura* and *A. catenulata* subsp. *occidentalis* tall shrubland over *A. adsurgens*, *Eremophila galeata* and *E. forrestii* subsp. *forrestii* shrubland over *Triodia pungens* open hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.5
<i>Acacia pruinocarpa</i>	8	4
<i>Acacia adsurgens</i>	5	2
<i>Acacia aptaneura</i>	5	4
<i>Eremophila galeata</i>	4	1.9
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	3	3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	2	1.6
<i>Acacia tetragonophylla</i>	1	2
<i>Grevillea berryana</i>	1	4
<i>Abutilon macrum</i>	0.1	0.5
<i>Arivela viscosa</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	1.1
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	1
<i>Enneapogon polyphyllus</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Exocarpos sparteus</i>	0.1	2
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	4.2
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.9
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Tripogonella loliformis</i>	0.1	0.1

* denotes weed species

Site: RQ016

Type: Quadrat

Date: 06/07/2019, 14/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 752671 Northing: 7441930

Habitat: Plain

Soil: dark reddish brown hardsetting, silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* low open woodland over *Acacia aptaneura* tall open scrub over *Sida ectogama* and *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3 open shrubland over *Ptilotus obovatus* var. *obovatus* low open shrubland over *Aristida obscura* and *Enneapogon polyphyllus* very open annual grassland.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	30	9
<i>Sida ectogama</i>	5	1.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	4	0.5
<i>Aristida obscura</i>	3	0.5
<i>Eucalyptus xerothermica</i>	3	8
<i>Enneapogon polyphyllus</i>	2	0.3
* <i>Bidens bipinnata</i>	0.5	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.5	2
? <i>Eriachne</i> sp.	0.1	0.7
<i>Abutilon cryptopetalum</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.4
<i>Aristida inaequiglumis</i>	0.1	0.6
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.6
<i>Arivela viscosa</i>	0.1	0.9
* <i>Cenchrus ciliaris</i>	0.1	0.4
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	1.5
<i>Codonocarpus cotinifolius</i>	0.1	0.9

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Name	Cover (%)	Height (m)
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.3
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.4
<i>Enneapogon lindleyanus</i>	0.1	0.7
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Exocarpos sparteus</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	9
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Isotropis iophyta</i>	0.1	0.5
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.2
<i>Panicum laevinode</i>	0.1	0.3
<i>Psyrax suaveolens</i>	0.1	1.6
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Salsola australis</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.2

* denotes weed species

? denotes unconfirmed ID

Site: RQ017

Type: Quadrat

Date: 06/07/2019, 13/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 750054 Northing: 7441772

Habitat: Foothlope

Soil: dark reddish brown hardsetting, sandy loam

Rock type: Ironstone

Vegetation: *Corymbia candida* and *C. deserticola* subsp. *deserticola* low open woodland over *Eucalyptus gamophylla* scattered low mallees over *Acacia catenulata* subsp. *occidentalis*, *A. pachyacra* and *A. pruinocarpa* tall shrubland over *Triodia pungens* and *T. vanleeuwenii* open hummock grassland.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	6
<i>Triodia pungens</i>	15	0.8
<i>Triodia vanleeuwenii</i>	3	0.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1.5	7
<i>Acacia pruinocarpa</i>	1	4.5
<i>Corymbia candida</i>	1	7
<i>Acacia pachyacra</i>	0.5	3
<i>Eucalyptus gamophylla</i>	0.5	4.5
<i>Acacia aptaneura</i>	0.1	4
<i>Acacia bivenosa</i>	0.1	1.8
<i>Androcalva loxophylla</i>	0.1	0.7
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.4
<i>Aristida latifolia</i>	0.1	1.1
<i>Aristida obscura</i>	0.1	0.6
* <i>Bidens bipinnata</i>	0.1	0.6
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.3
<i>Eragrostis cumingii</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.2
<i>Eriachne helmsii</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Glycine falcata</i> P3	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Leichhardtia australis</i>	0.1	2
<i>Panicum laevinode</i>	0.1	0.5
<i>Paspalidium basicladum</i>	0.1	0.5
<i>Perotis rara</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.3
<i>Psyrax suaveolens</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5

* denotes weed species

Site: RQ018

Type: Quadrat

Date: 06/07/2019, 13/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 747185 Northing: 7441520

Habitat: Plain

Soil: dark reddish brown hardsetting, silty clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Aristida contorta* open annual grassland.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	15	0.2
<i>Acacia aptaneura</i>	0.5	3
<i>Aristida obscura</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.2
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eremophila lanceolata</i>	0.1	0.2
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Fimbristylis depauperata</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Ptilotus gaudichaudii</i>	0.1	0.2
<i>Ptilotus gomphrenoides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Salsola australis</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Sclerolaena tetragona</i>	0.1	0.1
<i>Senna</i> sp.	0.1	0.1
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida platycalyx</i>	0.1	0.2
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Vincetoxicum lineare</i>	0.1	0.1

* denotes weed species

Site: RQ019

Type: Quadrat

Date: 06/07/2019, 12/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 746508 Northing: 7441542

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Chrysopogon fallax* and *Eriachne benthamii* very open tussock grassland with *Aristida obscura* and *Aristida contorta* scattered annual grasses.

Veg Condition: Very Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	7	8
<i>Chrysopogon fallax</i>	2	1.5
<i>Eriachne benthamii</i>	1	0.5
<i>Aristida contorta</i>	0.5	0.2
<i>Aristida obscura</i>	0.5	0.2
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Acacia tetragonophylla</i>	0.1	2.2
<i>Aristida latifolia</i>	0.1	0.6
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.4
<i>Cucumis variabilis</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	2.5
<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.3
<i>Eragrostis dielsii</i>	0.1	0.2
<i>Eremophila lanceolata</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis depauperata</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.2
<i>Iseilema membranaceum</i>	0.1	0.3
<i>Paspalidium basicladum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.8
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Senna notabilis</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.1
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3

* denotes weed species

Site: RQ020

Type: Quadrat

Date: 06/07/2019, 24/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 740079 Northing: 7442132

Habitat: Residual rise

Soil: brown clay loam

Rock type: Calcrete

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* and *E. repullulans* low mallee woodland over *Acacia aptaneura*, *A. aneura* and *A. sibirica* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Triodia wiseana* very open hummock grassland over *Enneapogon caerulescens* scattered annual grasses.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	15	4
<i>Triodia wiseana</i>	7	0.5
<i>Acacia aptaneura</i>	2	4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.6
<i>Enneapogon caerulescens</i>	1.5	0.3
<i>Acacia aneura</i>	1	3.5
<i>Acacia sibirica</i>	1	2.4
<i>Eucalyptus repullulans</i>	1	4
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.3
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia pruinocarpa</i>	0.1	3.5
<i>Acacia tetragonophylla</i>	0.1	1.7
<i>Aristida contorta</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Capparis lasiantha</i>	0.1	1.2
* <i>Cenchrus ciliaris</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Chrysopogon fallax</i>	0.1	0.4
<i>Commelina ensifolia</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.4
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	1.2
<i>Enneapogon polyphyllus</i>	0.1	0.5
<i>Eragrostis eriopoda</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.4
<i>Eremophila longifolia</i>	0.1	0.2
<i>Eriachne mucronata</i>	0.1	0.2
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Euphorbia vaccaria</i> var. <i>vaccaria</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Grevillea berryana</i>	0.1	1.6
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.4
<i>Melhania oblongifolia</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.2
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.6
<i>Rhynchosia minima</i>	0.1	0.2
<i>Salsola australis</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>	0.1	1.7
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	0.6
<i>Setaria dielsii</i>	0.1	0.3
<i>Sida ectogama</i>	0.1	0.6
<i>Sida fibulifera</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.1
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Stemodia grossa</i>	0.1	0.2
<i>Tribulus hirsutus</i>	0.1	0.2

* denotes weed species

Site: RQ021

Type: Quadrat

Date: 06/07/2019, 24/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 739910 **Northing:** 7443628

Habitat: Clay plain

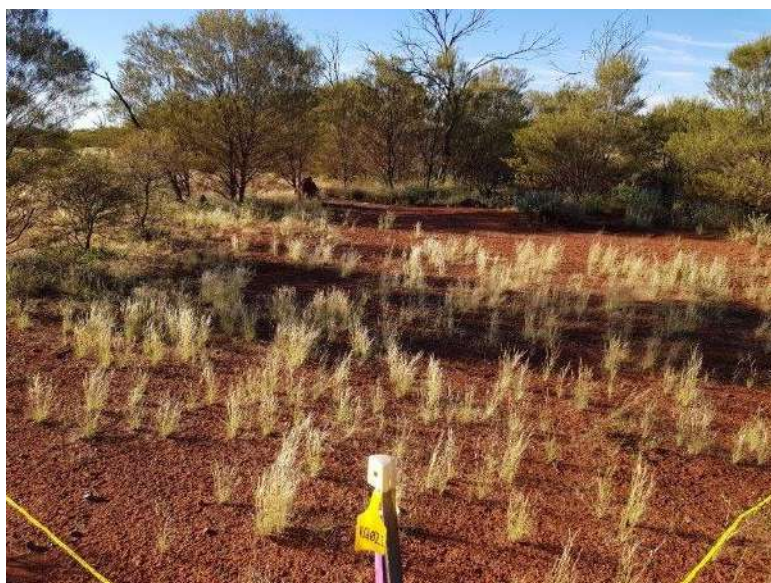
Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall shrubland over *Eremophila lanceolata* scattered low shrubs over *Triodia melvillei* very open hummock grassland over *Aristida contorta*, *A. obscura* and *Enneapogon polyphyllus* scattered annual grasses with *Ptilotus schwartzii* var. *schwartzii* scattered herbs

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	18	4
<i>Triodia melvillei</i>	5	0.4
<i>Eremophila lanceolata</i>	1	0.4
<i>Aristida contorta</i>	0.5	0.2
<i>Aristida obscura</i>	0.5	0.1
<i>Digitaria ammophila</i>	0.5	0.2
<i>Enneapogon polyphyllus</i>	0.5	0.2
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.5	0.4
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia pachyacra</i>	0.1	1.3
<i>Acacia pruinocarpa</i>	0.1	3.5
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia repleta</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	0.6
<i>Commelina ensifolia</i>	0.1	0.1
<i>Digitaria ctenantha</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Dysphania kalpari</i>	0.1	0.1
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.5
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.6
<i>Eriachne benthamii</i>	0.1	0.4
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Goodenia prostrata</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	1.7
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Maireana villosa</i>	0.1	0.2
<i>Panicum effusum</i>	0.1	0.1
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca filifolia</i>	0.1	0.2
<i>Psyrax latifolia</i>	0.1	0.6
<i>Psyrax suaveolens</i>	0.1	1.3
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Ptilotus roei</i>	0.1	0.1
<i>Ptilotus</i> sp.	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.4
<i>Roebuckiella similis</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Spermacoce brachystema</i>	0.1	0.4
<i>Themeda triandra</i>	0.1	0.4
<i>Vincetoxicum lineare</i>	0.1	0.6

* denotes weed species

Site: RQ022

Type: Quadrat

Date: 07/07/2019, 21/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 739142 **Northing:** 7444710

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* low open woodland over *Acacia pruinocarpa*, *A. aptaneura* and *A. inaequilatera* tall open shrubland over *Ptilotus rotundifolius* and *P. obovatus* scattered shrubs over *Triodia wiseana* and *T. vanleeuwenii* hummock grassland over *Cymbopogon ambiguus* and *Paraneurachne muelleri* scattered tussock grasses with *Enneapogon polyphyllus* and *Aristida contorta* scattered annual grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	24	0.7
<i>Triodia vanleeuwenii</i>	21	0.5
<i>Acacia aptaneura</i>	2	4.3
<i>Acacia pruinocarpa</i>	2	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1.5	6.5
<i>Acacia bivenosa</i>	1	3.5
<i>Acacia inaequilatera</i>	1	2.5
<i>Cymbopogon ambiguus</i>	1	0.8
<i>Enneapogon polyphyllus</i>	1	0.4
<i>Aristida contorta</i>	0.5	0.2
<i>Corymbia hamersleyana</i>	0.5	3.2
<i>Paraneurachne muelleri</i>	0.5	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	1.2
<i>Ptilotus rotundifolius</i>	0.5	1.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.5	1.9
<i>Abutilon macrum</i>	0.1	1.2

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Name	Cover (%)	Height (m)
<i>Acacia adsurgens</i>	0.1	2.4
<i>Acacia rhodophloia</i>	0.1	1.6
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	1
<i>Arivela viscosa</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Capparis lasiantha</i>	0.1	1.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3
<i>Codonocarpus cotinifolius</i>	0.1	0.8
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.8
<i>Cucumis variabilis</i>	0.1	2.3
<i>Duperreya commixta</i>	0.1	0.5
<i>Enneapogon caerulescens</i>	0.1	0.3
<i>Eragrostis eriopoda</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.1
<i>Eremophila latrobei</i> subsp. <i>glabra</i>	0.1	1.7
<i>Eriachne aristidea</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Exocarpos sparteus</i>	0.1	1.1
<i>Goodenia stobbsiana</i>	0.1	0.8
<i>Goodenia triodiophila</i>	0.1	0.6
<i>Goodenia vilmoriniae</i>	0.1	0.6
<i>Hakea chordophylla</i>	0.1	1.5
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.5
<i>Panicum effusum</i>	0.1	0.5
<i>Polycarpaea holtzei</i>	0.1	0.1
<i>Psydrax suaveolens</i>	0.1	1.2
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus astrolasius</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	1.2
<i>Ptilotus clementii</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus fusiformis</i>	0.1	0.5
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.1
<i>Rhynchosia minima</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.3
<i>Senna glaucifolia</i>	0.1	0.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.2

Name	Cover (%)	Height (m)
<i>Sida arenicola</i>	0.1	1.3
<i>Sida cardiophylla</i>	0.1	1.7
<i>Sida echinocarpa</i>	0.1	0.5
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.8
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Stackhousia ?intermedia</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	0.9
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.8
<i>Triodia melvillei</i>	0.1	0.6

* denotes weed species

? denotes unconfirmed ID

Site: RQ023

Type: Quadrat

Date: 07/07/2019, 21/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 738981 Northing: 7444419

Habitat: Hillslope

Soil: dark reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia sibirica*, *A. bivenosa* and *A. inaequilatera* tall open shrubland over *Seringia exastia* low open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.3
<i>Triodia pungens</i>	10	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	4	6
<i>Acacia sibirica</i>	3	3.5
<i>Seringia exastia</i>	1	0.5
<i>Acacia bivenosa</i>	0.5	2.5
<i>Acacia inaequilatera</i>	0.5	2.2
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia aptaneura</i>	0.1	2.5
<i>Acacia maitlandii</i>	0.1	3
<i>Acacia pachyacra</i>	0.1	1.1
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.5
<i>Aristida inaequiglumis</i>	0.1	1.4
<i>Capparis lasiantha</i>	0.1	0.5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cymbopogon ambiguus</i>	0.1	1
<i>Duperreya commixta</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eucalyptus gamophylla</i>	0.1	2.7
<i>Eulalia aurea</i>	0.1	0.7
<i>Exocarpos sparteus</i>	0.1	1.3
<i>Gompholobium oreophilum</i>	0.1	0.8
<i>Goodenia stobbsiana</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	2.5
<i>Indigofera monophylla</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.1
<i>Peripleura virgata</i>	0.1	0.3
<i>Pterocaulon sphaeranthoides</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1.1
<i>Ptilotus rotundifolius</i>	0.1	1.3
<i>Santalum lanceolatum</i>	0.1	2.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	2
<i>Sida arenicola</i>	0.1	1.6
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	0.1	0.5
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum horridum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4

Site: RQ024

Type: Quadrat

Date: 07/07/2019, 22/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 740483 Northing: 7444545

Habitat: Minor drainage

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia monticola*, *Dodonaea lanceolata* and *A. maitlandii* tall open scrub over *Triodia pungens* open hummock grassland with *Themeda triandra* very open tussock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.5
<i>Acacia monticola</i>	20	2.5
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	18	2.5
<i>Corymbia hamersleyana</i>	8	8
<i>Themeda triandra</i>	5	0.9
<i>Acacia maitlandii</i>	2	3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	8
<i>Petalostylis labicheoides</i>	1	3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	3
<i>Acacia sibirica</i>	0.5	2.5
<i>Abutilon cunninghamii</i>	0.1	0.3
<i>Abutilon macrum</i>	0.1	0.5
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.6
<i>Acacia aptaneura</i>	0.1	3
<i>Acacia bivenosa</i>	0.1	3
<i>Acacia cowleana</i>	0.1	4.5
<i>Acacia hamersleyensis</i>	0.1	3.5

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Name	Cover (%)	Height (m)
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Afrohybanthus aurantiacus</i>	0.1	0.5
<i>Androcalva luteiflora</i>	0.1	1.8
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	0.6
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Capparis lasiantha</i>	0.1	1.7
* <i>Cenchrus ciliaris</i>	0.1	0.6
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.6
<i>Duperreya commixta</i>	0.1	0.9
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.8
<i>Eriachne mucronata</i>	0.1	0.4
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Euphorbia trigonosperma</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gastrolobium grandiflorum</i>	0.1	1.8
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Gossypium robinsonii</i>	0.1	1.8
<i>Grevillea berryana</i>	0.1	2
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	2.5
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Heliotropium skeleton</i>	0.1	0.4
<i>Hibiscus coatesii</i>	0.1	0.6
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.4
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.5
<i>Notoleptopus decaisnei</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Peripleura arida</i>	0.1	0.6
<i>Peripleura virgata</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Santalum lanceolatum</i>	0.1	1.6
<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.2
<i>Senna glaucifolia</i>	0.1	1.2

Name	Cover (%)	Height (m)
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.5
<i>Senna stricta</i>	0.1	1.3
<i>Sida arenicola</i>	0.1	0.6
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Stemodia grossa</i>	0.1	0.3
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.7

* denotes weed species

Site: RQ025

Type: Quadrat

Date: 07/07/2019, 26/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 739888 Northing: 7444929

Habitat: Plain

Soil: reddish brown hardsetting, loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. ayersiana* tall open scrub over *Sida ectogama*, *Eremophila forrestii* subsp. *forrestii* and *Senna artemisioides* subsp. *helmsii* open shrubland over *Triodia pungens* and *T. vanleeuwenii* very open hummock grassland over *Enneapogon polyphyllus* very open annual grassland.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	20	5.5
<i>Acacia aptaneura</i>	12.5	6
<i>Acacia ayersiana</i>	2	5.5
<i>Enneapogon polyphyllus</i>	2	0.3
<i>Sida ectogama</i>	2	1.5
<i>Triodia pungens</i>	2	0.5
<i>Acacia aneura</i>	1	4
<i>Acacia pruinocarpa</i>	1	4.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.4
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	1	1.5
<i>Triodia vanleeuwenii</i>	0.5	0.5
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.3
<i>Abutilon macrum</i>	0.1	0.3
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Aristida inaequiglumis</i>	0.1	0.6
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.3

Name	Cover (%)	Height (m)
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	0.9
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4.5
<i>Digitaria ammophila</i>	0.1	0.3
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Eriachne pulchella</i>	0.1	0.1
<i>Eucalyptus xerothermica</i>	0.1	8
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	2.2
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	1.1
<i>Ptilotus calostachyus</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.8
<i>Schizachyrium fragile</i>	0.1	0.3

* denotes weed species

Site: RQ026

Type: Quadrat

Date: 07/07/2019, 22/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 742485 Northing: 7445173

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia deserticola* subsp. *deserticola* low open woodland over *Hakea chordophylla* scattered tall shrubs over *Acacia hilliana* low open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	32	0.4
<i>Acacia hilliana</i>	5	0.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	2.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Hakea chordophylla</i>	1	3
<i>Triodia pungens</i>	1	1.2
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia marramamba</i>	0.1	0.9
<i>Acacia rhodophloia</i>	0.1	1.7
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.3
<i>Calytrix carinata</i>	0.1	0.3
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.6
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.8
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.1
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis simulans</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna glaucifolia</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.4
<i>Seringia exastia</i>	0.1	0.4
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Stackhousia</i> ? <i>intermedia</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	0.2
<i>Trianthema glossostigmum</i>	0.1	0.1

? denotes unconfirmed ID

Site: RQ027

Type: Quadrat

Date: 07/07/2019, 22/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 742262 Northing: 7445305

Habitat: Minor drainage

Soil: dark reddish brown loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* low open woodland over *Acacia tumida* var. *pilbarensis*, *Santalum lanceolatum* and *Petalostylis labicheoides* tall open scrub over *Stylobasium spathulatum* open shrubland over *Triodia pungens* open hummock grassland with *Themeda triandra*, *Eriachne mucronata* and *Paraneurachne muelleri* open tussock grassland with *Duperreya commixta* scattered vines.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia tumida</i> var. <i>pilbarensis</i>	42	4
<i>Triodia pungens</i>	15	0.4
<i>Themeda triandra</i>	11	0.4
<i>Corymbia hamersleyana</i>	4	6.5
<i>Eriachne mucronata</i>	3	0.4
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	2	4.5
<i>Petalostylis labicheoides</i>	2	2.5
<i>Santalum lanceolatum</i>	2	2.8
<i>Duperreya commixta</i>	1	0.8
<i>Stylobasium spathulatum</i>	1	1.8
<i>Paraneurachne muelleri</i>	0.5	0.4
<i>Abutilon macrum</i>	0.1	0.8
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5
<i>Acacia maitlandii</i>	0.1	1.7
<i>Acacia monticola</i>	0.1	3
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.1
<i>Afrohybanthus aurantiacus</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Androcalva luteiflora</i>	0.1	2
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.6
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	0.3
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	1.1
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.2
<i>Dampiera candidans</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.4
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	2.5
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eremophila exilifolia</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	2.2
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Gastrolobium grandiflorum</i>	0.1	1.5
<i>Goodenia stobbsiana</i>	0.1	0.5
<i>Gossypium robinsonii</i>	0.1	2.7
<i>Heliotropium cunninghamii</i>	0.1	0.1
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	0.4
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.8
<i>Panicum effusum</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.1
<i>Senna glaucifolia</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.4
<i>Senna notabilis</i>	0.1	0.4
<i>Setaria surgens</i>	0.1	0.3
<i>Sida arenicola</i>	0.1	0.5
<i>Sida cardiophylla</i>	0.1	0.5
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Solanum phlomoides</i>	0.1	0.7
<i>Vincetoxicum lineare</i>	0.1	0.6

Site: RQ028

Type: Quadrat

Date: 07/07/2019, 24/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 743462 Northing: 7445027

Habitat: Hillslope

Soil: dark reddish brown hardsetting, sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Hakea chordophylla*, *Acacia marramamba* and *A. pachyacra* tall open shrubland over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.6
<i>Acacia marramamba</i>	1.5	3
<i>Acacia pachyacra</i>	1.5	2.5
<i>Hakea chordophylla</i>	1.5	3.5
<i>Triodia pungens</i>	1.5	0.7
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	3.7
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia adsurgens</i>	0.1	1.6
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia cowleana</i>	0.1	0.9
<i>Acacia rhodophloia</i>	0.1	1.7
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Androcalva luteiflora</i>	0.1	1.6
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.5
<i>Aristida inaequiglumis</i>	0.1	0.6
<i>Aristida obscura</i>	0.1	0.3
<i>Calytrix carinata</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Codonocarpus cotinifolius</i>	0.1	0.5
<i>Corymbia hamersleyana</i>	0.1	1.7
<i>Cymbopogon obtectus</i>	0.1	0.6
<i>Duperreya commixta</i>	0.1	1
<i>Eremophila exilifolia</i>	0.1	0.5
<i>Eulalia aurea</i>	0.1	0.3
<i>Euphorbia boophthona/tannensis</i>	0.1	0.3
<i>Exocarpos sparteus</i>	0.1	1.3
<i>Fimbristylis simulans</i>	0.1	0.1
<i>Goodenia microptera</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hibiscus coatesii</i>	0.1	0.5
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.1
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.7
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Santalum lanceolatum</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.1
<i>Themeda triandra</i>	0.1	0.4
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.2

Site: RQ029

Type: Quadrat

Date: 08/07/2019, 24/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 743911 Northing: 7445281

Habitat: Hillslope

Soil: dark reddish brown hardsetting, loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia marramamba* scattered tall shrubs over *A. arida* shrubland over *Corchorus lasiocarpus* subsp. *parvus* scattered low shrubs over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.6
<i>Acacia arida</i>	20	1.6
<i>Triodia pungens</i>	15	0.6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1.5	5
<i>Acacia marramamba</i>	1	2.8
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.5	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia hilliania</i>	0.1	0.5
<i>Acacia maitlandii</i>	0.1	2.5
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	3
<i>Acacia sibirica</i>	0.1	2.5
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Androcalva luteiflora</i>	0.1	2
<i>Codonocarpus cotinifolius</i>	0.1	0.6
<i>Dampiera candidans</i>	0.1	0.5
<i>Eragrostis setifolia</i>	0.1	0.15
<i>Eremophila exilifolia</i>	0.1	0.8
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.6

Name	Cover (%)	Height (m)
<i>Eriachne pulchella</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	0.8
<i>Hibiscus coatesii</i>	0.1	0.9
<i>Indigofera monophylla</i>	0.1	0.5
<i>Isolepis</i> sp.	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.2
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.2
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.5
<i>Senna glaucifolia</i>	0.1	1.9
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.5
<i>Seringia exastia</i>	0.1	0.8
<i>Sida cardiophylla</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.2
<i>Stemodia grossa</i>	0.1	0.5
<i>Themeda triandra</i>	0.1	0.3

Site: RQ030

Type: Quadrat

Date: 08/07/2019, 23/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 743914 Northing: 7444142

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia pruinocarpa* scattered tall shrubs over *A. arida* shrubland over *Eremophila exilifolia* scattered low shrubs over *Triodia pungens* and *T. vanleeuwenii* hummock grassland.

Veg Condition: Excellent**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.6
<i>Acacia arida</i>	15	1.3
<i>Triodia vanleeuwenii</i>	15	0.4
<i>Acacia pruinocarpa</i>	1	2.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	4.5
<i>Eremophila exilifolia</i>	0.5	0.6
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.2
<i>Acacia ayersiana</i>	0.1	1.9
<i>Acacia marramamba</i>	0.1	1.5
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.1
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Calytrix carinata</i>	0.1	0.9
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.2
<i>Dampiera candidans</i>	0.1	0.6
<i>Duperreya commixta</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus gamophylla</i>	0.1	2.1
<i>Euphorbia boophthona</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	1.8
<i>Heliotropium skeleton</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.1
<i>Hibiscus sturtii</i> var. <i>truncatus</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Petalostylis labicheoides</i>	0.1	2
<i>Psyrax suaveolens</i>	0.1	1.7
<i>Pterocaulon sphaeranthoides</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus fusiformis</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.1
<i>Ptilotus roei</i>	0.1	0.1
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.5
<i>Sida arenicola</i>	0.1	0.2
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	0.1	0.2
<i>Solanum centrale</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Tripogonella loliiformis</i>	0.1	0.2

* denotes weed species

Site: RQ031

Type: Quadrat

Date: 08/07/2019, 23/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 743890 **Northing:** 7444495

Habitat: Hillslope

Soil: dark reddish brown loam

Rock type: Ironstone

Vegetation: *Eucalyptus gamophylla* scattered low mallee woodland over *Acacia marramamba*, *A. pruinocarpa* and *Petalostylis labicheoides* scattered tall shrubs over *A. arida* open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	24	0.5
<i>Triodia pungens</i>	20	0.6
<i>Acacia arida</i>	9	1.9
<i>Acacia marramamba</i>	1	2.2
<i>Eucalyptus gamophylla</i>	1	3
<i>Acacia pruinocarpa</i>	0.5	3.5
<i>Petalostylis labicheoides</i>	0.5	2.7
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia ayersiana</i>	0.1	1.5
<i>Acacia maitlandii</i>	0.1	3.2
<i>Acacia sibirica</i>	0.1	1.3
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Androcalva luteiflora</i>	0.1	2.1
<i>Aristida contorta</i>	0.1	0.5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Codonocarpus cotinifolius</i>	0.1	5
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Dampiera candidans</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Dolichocarpa crouchiana</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	0.1
<i>Enneapogon lindleyanus</i>	0.1	0.5
<i>Eragrostis setifolia</i>	0.1	0.1
<i>Eremophila exilifolia</i>	0.1	1.1
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.7
<i>Eriachne mucronata</i>	0.1	0.2
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia muelleriana</i>	0.1	0.7
<i>Goodenia stobbsiana</i>	0.1	0.8
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	1.8
<i>Hibiscus sturtii</i> var. <i>truncatus</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.7
<i>Paraneurachne muelleri</i>	0.1	0.6
<i>Peripleura virgata</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>	0.1	0.4
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna glaucifolia</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.9
<i>Senna</i> sp.	0.1	2.3
<i>Sida arenicola</i>	0.1	0.8
<i>Sida cardiophylla</i>	0.1	0.2
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	1

Site: RQ032

Type: Quadrat

Date: 08/07/2019, 26/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 741992 Northing: 7443807

Habitat: Hillslope

Soil: dark reddish brown hardsetting, sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* (*A. ayersiana*) tall open scrub over *Senna artemisioides* subsp. *x artemisioides* scattered shrubs over *Triodia pungens* very open hummock grassland over *Cheilanthes sieberi* subsp. *sieberi* very open fernland.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	4.5
<i>Triodia pungens</i>	5	0.7
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	2	0.2
<i>Acacia ayersiana</i>	1	4.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Santalum lanceolatum</i>	0.5	2.6
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.5	1
<i>Abutilon macrum</i>	0.1	0.5
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia bivenosa</i>	0.1	1.5
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Acacia rhodophloia</i>	0.1	4.5
<i>Androcalva luteiflora</i>	0.1	2.1
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida obscura</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Chrysopogon fallax</i>	0.1	0.7
<i>Cucumis variabilis</i>	0.1	0.1
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.5
<i>Enneapogon caeruleus</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Eremophila ?forrestii</i>	0.1	1.9
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.8
<i>Eriachne helmsii</i>	0.1	0.5
<i>Eriachne pulchella</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	3
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Iseilema membranaceum</i>	0.1	0.2
<i>Leichhardtia australis</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	2.2
<i>Ptilotus calostachyus</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.3
<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)	0.1	0.4
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.3
<i>Triodia vanleeuwenii</i>	0.1	0.6

* denotes weed species

? denotes unconfirmed ID

Site: RQ033

Type: Quadrat

Date: 08/07/2019, 23/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 744743 Northing: 7443973

Habitat: Hillslope

Soil: dark reddish brown loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* and *Acacia marramamba* scattered tall shrubs over *A. hilliana* low open shrubland over *Triodia vanleeuwenii* (*T. pungens*) hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.4
<i>Acacia hilliana</i>	2	0.4
<i>Hakea chordophylla</i>	1	3.5
<i>Triodia pungens</i>	1	0.6
<i>Acacia marramamba</i>	0.5	2.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia aptaneura</i>	0.1	3.5
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia spondylophylla</i>	0.1	0.3
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	1.4
<i>Corchorus</i> sp.	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Dampiera candidans</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.9
<i>Eriachne mucronata</i>	0.1	0.4

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Name	Cover (%)	Height (m)
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	1
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	1.6
<i>Heliotropium skeleton</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	2
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.2
<i>Seringia exastia</i>	0.1	0.6
<i>Sida arenicola</i>	0.1	2.1
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	1
<i>Themeda triandra</i>	0.1	1
<i>Trianthema glossostigmum</i>	0.1	0.1

Site: RQ034

Type: Quadrat

Date: 09/07/2019, 23/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 749790 Northing: 7443712

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Petalostylis labicheoides* scattered tall shrubs over *Seringia exastia* scattered low shrubs over *Triodia pungens* and *T. vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	30	0.6
<i>Triodia vanleeuwenii</i>	5	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	3
<i>Seringia exastia</i>	1	0.5
<i>Corymbia hamersleyana</i>	0.5	3.8
<i>Petalostylis labicheoides</i>	0.5	2.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5
<i>Acacia adsurgens</i>	0.1	1.6
<i>Acacia hamersleyensis</i>	0.1	1.7
<i>Acacia orthocarpa</i>	0.1	1.2
<i>Acacia pachyacra</i>	0.1	1.4
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	2.8
<i>Amphipogon sericeus</i>	0.1	0.1
<i>Androcalva luteiflora</i>	0.1	2
<i>Aristida contorta</i>	0.1	0.2
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.1
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.4
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.1
<i>Eriachne lanata</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.4
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	3
<i>Hakea chordophylla</i>	0.1	2.5
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.1
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna ferraria</i>	0.1	2.5
<i>Senna glaucifolia</i>	0.1	2.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.2
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum horridum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Stylobasium spathulatum</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.4

Site: RQ035

Type: Quadrat

Date: 08/07/2019, 24/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 744617 **Northing:** 7444446

Habitat: Minor drainage

Soil: dark reddish brown loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* low open woodland over *Eucalyptus gamophylla* scattered low mallees over *Petalostylis labicheoides*, *Androcalva luteiflora* and *Acacia maitlandii* tall open scrub over *Triodia pungens* hummock grassland over *Themeda triandra*, *Eulalia aurea* and *Paraneurachne muelleri* open tussock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Petalostylis labicheoides</i>	40	4
<i>Triodia pungens</i>	40	1
<i>Themeda triandra</i>	6	1
<i>Androcalva luteiflora</i>	5	2.5
<i>Corymbia hamersleyana</i>	5	8
<i>Acacia maitlandii</i>	3	4
<i>Eulalia aurea</i>	3	0.6
<i>Paraneurachne muelleri</i>	3	0.3
<i>Gastrolobium grandiflorum</i>	1.5	2.5
<i>Eucalyptus gamophylla</i>	1	4
<i>Seringia exastia</i>	0.5	0.5
<i>Aristida holathera</i> var. <i>holathera</i>	0.2	0.6
<i>Duperreya commixta</i>	0.2	3
<i>Abutilon otocarpum</i>	0.1	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia adsurgens</i>	0.1	1.1
<i>Acacia aptaneura</i>	0.1	5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	3.5

Name	Cover (%)	Height (m)
<i>Acacia cowleana</i>	0.1	3
<i>Acacia dictyophleba</i>	0.1	0.5
<i>Acacia monticola</i>	0.1	2.5
<i>Acacia pyrifolia</i>	0.1	2
<i>Acacia tumida</i> var. <i>pilbarensis</i>	0.1	1.5
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.7
<i>Bonamia erecta</i>	0.1	0.4
<i>Capparis lasiantha</i>	0.1	0.5
<i>Chrysopogon fallax</i>	0.1	1.3
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cymbopogon obtectus</i>	0.1	0.6
<i>Dampiera candidans</i>	0.1	0.4
<i>Dicrastylis cordifolia</i>	0.1	0.4
<i>Digitaria ammophila</i>	0.1	0.6
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	2
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.6
<i>Eriachne mucronata</i>	0.1	0.6
<i>Eucalyptus xerothermica</i>	0.1	5
<i>Euphorbia boophthona</i>	0.1	0.2
<i>Euphorbia coghlanii</i>	0.1	0.2
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Glycine canescens</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Goodenia stellata</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Gossypium robinsonii</i>	0.1	1.5
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	1.2
<i>Heliotropium cunninghamii</i>	0.1	0.3
<i>Hibiscus sturtii</i>	0.1	0.3
<i>Indigofera georgei</i>	0.1	1
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.5
<i>Panicum effusum</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus erwinii</i>	0.1	0.2
<i>Psyrax latifolia</i>	0.1	1.6
<i>Psyrax suaveolens</i>	0.1	1.7
<i>Ptilotus calostachyus</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.9
<i>Ptilotus gaudichaudii</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.1
<i>Santalum lanceolatum</i>	0.1	2.5
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	1.2

Name	Cover (%)	Height (m)
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna notabilis</i>	0.1	0.1
<i>Setaria surgens</i>	0.1	0.5
<i>Sida cardiophylla</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.1
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.2
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Stylobasium spathulatum</i>	0.1	0.2

Site: RQ036

Type: Quadrat

Date: 09/07/2019, 15/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 753550 Northing: 7443311

Habitat: Clay plain

Soil: reddish brown loose, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* and *A. catenulata* subsp. *occidentalis* tall shrubland over *Sida ectogama* scattered shrubs over *Eremophila lanceolata* scattered low shrubs over *Eriachne benthamii*, *Themeda triandra* and *Chrysopogon fallax* very open tussock grassland with *Enneapogon polyphyllus*, *Digitaria ctenantha* and *Aristida obscura* open annual grassland.

Veg Condition: Very Good**Fire Age:** No fire evident**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	5.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	9	5
<i>Enneapogon polyphyllus</i>	8	0.3
<i>Digitaria ctenantha</i>	6	0.4
<i>Aristida obscura</i>	5	0.3
<i>Perotis rara</i>	5	0.1
<i>Digitaria ammophila</i>	3	0.4
<i>Eriachne benthamii</i>	2.5	0.6
<i>Themeda triandra</i>	2	1
<i>Chrysopogon fallax</i>	1.5	1
* <i>Bidens bipinnata</i>	1	0.5
<i>Aristida ingrata</i>	0.5	0.7
<i>Eremophila lanceolata</i>	0.5	0.4
<i>Sida ectogama</i>	0.5	1.2
<i>Abutilon cryptopetalum</i>	0.1	1.3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.8
<i>Abutilon otocarpum</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Aristida inaequiglumis</i>	0.1	0.5
<i>Blumea tenella</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Commelina ensifolia</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0.1
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Exocarpos sparteus</i>	0.1	0.4
<i>Grevillea berryana</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.6
<i>Ipomoea muelleri</i>	0.1	0.4
<i>Iseilema dolichotrichum</i>	0.1	0.1
<i>Maireana villosa</i>	0.1	0.2
<i>Nicotiana ?simulans</i>	0.1	0.1
<i>Panicum laevinode</i>	0.1	0.3
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1
<i>Psyrax suaveolens</i>	0.1	1.2
<i>Pterocaulon sphacelatum</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.6
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.1
<i>Senna glaucifolia</i>	0.1	0.3
<i>Sida platycalyx</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.1
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.1
<i>Stemodia grossa</i>	0.1	0.6
<i>Stenopetalum nutans</i>	0.1	0.2
<i>Streptoglossa bubakii</i>	0.1	0.2
<i>Swainsona canescens</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.3

* denotes weed species

? denotes unconfirmed ID

Site: RQ037

Type: Quadrat

Date: 09/07/2019, 23/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 750039 Northing: 7443901

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Calcrete, Dolerite, Quartz

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Triodia vanleeuwenii* open hummock grassland with *Eriachne mucronata* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	8
<i>Eriachne mucronata</i>	0.5	0.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.25	1
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.25	1.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.25	1.2
<i>Acacia adsurgens</i>	0.1	0.6
<i>Acacia ayersiana</i>	0.1	1
<i>Acacia bivenosa</i>	0.1	1
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	0.8
<i>Acacia maitlandii</i>	0.1	0.5
<i>Acacia pachyacra</i>	0.1	0.5
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Codonocarpus cotinifolius</i>	0.1	0.8
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.8
<i>Dampiera candidans</i>	0.1	0.4
<i>Dodonaea coriacea</i>	0.1	1
<i>Enneapogon lindleyanus</i>	0.1	0.5

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Name	Cover (%)	Height (m)
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.9
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia stobbsiana</i>	0.1	0.5
<i>Hibiscus</i> sp.	0.1	0.05
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Psydrax suaveolens</i>	0.1	1.1
<i>Ptilotus astrolasius</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.4
<i>Ptilotus clementii</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	0.3
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.7
<i>Stylobasium spathulatum</i>	0.1	1.2
<i>Tephrosia supina</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.2

Site: RQ038

Type: Quadrat

Date: 10/07/2019, 12/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 740774 **Northing:** 7439825

Habitat: Minor drainage

Soil: dark reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Triodia pungens* scattered hummock grasses with *Themeda triandra* and *Chrysopogon fallax* very open tussock grassland.

Veg Condition: Very Good

Fire Age: Very long unburnt

Notes: See T.A. Hammer et al. in Austral.Syst.Bot. 31:273 (2018)



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	12	4.2
<i>Acacia pruinocarpa</i>	5	4.5
<i>Themeda triandra</i>	2	1
<i>Triodia pungens</i>	1	0.4
<i>Chrysopogon fallax</i>	0.5	1.2
<i>Abutilon lepidum</i>	0.1	0.3
<i>Acacia aptaneura</i>	0.1	3
<i>Acacia bivenosa</i>	0.1	4
<i>Amaranthus undulatus</i>	0.1	0.6
<i>Aristida obscura</i>	0.1	0.5
<i>Arivela viscosa</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.1
* <i>Cenchrus ciliaris</i>	0.1	0.9
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Commelina ensifolia</i>	0.1	0.1
<i>Corchorus tridens</i>	0.1	0.1
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4

Name	Cover (%)	Height (m)
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.5
<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>	0.1	0.1
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.5
<i>Enneapogon lindleyanus</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila longifolia</i>	0.1	0.6
<i>Eucalyptus xerothermica</i>	0.1	2.5
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Hibiscus coatesii</i>	0.1	0.2
<i>Ipomoea lonchophylla</i>	0.1	0.1
<i>Iseilema membranaceum</i>	0.1	0.2
<i>Isotropis iophyta</i>	0.1	0.3
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	1.2
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus gaudichaudii</i>	0.1	0.7
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Ptilotus polystachyus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.2
<i>Salsola australis</i>	0.1	0.8
<i>Santalum lanceolatum</i>	0.1	2.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>	0.1	0.6
<i>Senna notabilis</i>	0.1	0.1
<i>Setaria dielsii</i>	0.1	0.2
<i>Setaria surgens</i>	0.1	0.3
* <i>Setaria verticillata</i>	0.1	0.4
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.1
<i>Urochloa piligera</i>	0.1	0.4

* denotes weed species

Site: RQ039

Type: Quadrat

Date: 09/07/2019, 15/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 755686 Northing: 7443045

Habitat: Clay plain

Soil: reddish brown hardsetting, loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* and *Sida ectogama* scattered shrubs over *Triodia pungens* scattered hummock grasses with *Aristida contorta* and *Enneapogon polyphyllus* open annual grassland.

Veg Condition: Very Good**Fire Age:** No fire evident**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	18	7
<i>Aristida contorta</i>	6	0.2
<i>Enneapogon polyphyllus</i>	3	0.3
<i>Acacia pruinocarpa</i>	1	7
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.5
<i>Triodia pungens</i>	1	0.4
<i>Aristida obscura</i>	0.5	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.5	0.2
<i>Sida ectogama</i>	0.5	1.2
<i>Abutilon otocarpum</i>	0.1	0.6
<i>Acacia aptaneura</i>	0.1	5
<i>Aristida ?ingrata</i>	0.1	1
<i>Arivela viscosa</i>	0.1	1
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Corymbia candida</i>	0.1	6.5
<i>Digitaria brownii</i>	0.1	0.3
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Eucalyptus gamophylla</i>	0.1	1.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	1.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	3
<i>Hibiscus burtonii</i>	0.1	0.9
<i>Hibiscus coatesii</i>	0.1	0.5
<i>Leichhardtia australis</i>	0.1	1.5
<i>Panicum decompositum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.3
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.3
<i>Psyrax suaveolens</i>	0.1	1.4
<i>Pterocaulon sphaeranthoides</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2
<i>Senna glaucifolia</i>	0.1	2.4
<i>Senna notabilis</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.3
<i>Sida platycalyx</i>	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Trianthema glossostigmum</i>	0.1	0.1

* denotes weed species

? denotes unconfirmed ID

Site: RQ040

Type: Quadrat

Date: 10/07/2019, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 740157 Northing: 7441037

Habitat: Major drainage

Soil: dark reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* low open woodland over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall open scrub over *Triodia pungens* very open hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	40	5
<i>Triodia pungens</i>	7.5	0.5
<i>Eucalyptus xerothermica</i>	2	5
<i>Acacia aptaneura</i>	1.5	3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.3
<i>Acacia ancistrocarpa</i>	0.1	1.5
<i>Acacia aneura</i>	0.1	2
<i>Acacia bivenosa</i>	0.1	2.1
<i>Acacia pruinocarpa</i>	0.1	3
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.5
<i>Acacia rhodophloia</i>	0.1	1.8
<i>Androcalva luteiflora</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	1.1
<i>Aristida ingrata</i>	0.1	0.6
<i>Aristida latifolia</i>	0.1	0.6
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Capparis lasiantha</i>	0.1	1
<i>Chrysopogon fallax</i>	0.1	1
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	3
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1
<i>Eriachne tenuiculmis</i>	0.1	0.3
<i>Eucalyptus gamophylla</i>	0.1	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	1.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	3
<i>Hibiscus</i> ? <i>coatesii</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.3
<i>Iseilema vaginiflorum</i>	0.1	0.2
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Psyrax latifolia</i>	0.1	0.3
<i>Psyrax suaveolens</i>	0.1	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Rhagodia eremaea</i>	0.1	0.8
<i>Santalum lanceolatum</i>	0.1	2
<i>Setaria surgens</i>	0.1	0.3
<i>Sida arenicola</i>	0.1	0.6
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	0.5
<i>Triodia vanleeuwenii</i>	0.1	0.3

* denotes weed species

? denotes unconfirmed ID

Site: RQ041

Type: Quadrat

Date: 09/07/2019, 23/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

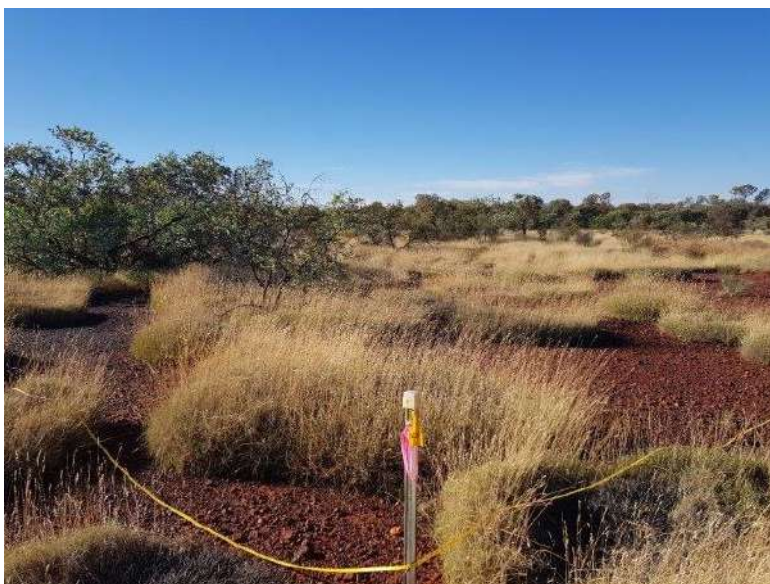
Easting: 752617 Northing: 7443867

Habitat: Pediment

Soil: dark reddish brown sandy loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Eucalyptus gamophylla* low open mallee woodland over *Acacia trudgeniana* scattered tall shrubs over *Senna oligo x helms* (RQ041-116) scattered shrubs over *Androcalva loxophylla* and *Seringia exastia* scattered low shrubs over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland.

Veg Condition: Excellent**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.6
<i>Eucalyptus gamophylla</i>	5	3.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	4
<i>Triodia pungens</i>	1	0.6
<i>Acacia trudgeniana</i>	0.5	3
<i>Androcalva loxophylla</i>	0.5	0.5
<i>Senna artemisioides</i> subsp. <i>oligophylla x helmsii</i>	0.5	1.2
<i>Seringia exastia</i>	0.5	0.6
<i>Themeda triandra</i>	0.5	0.6
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia adsurgens</i>	0.1	1.1
<i>Acacia aptaneura</i>	0.1	1
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia tenuissima</i>	0.1	1.8
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Amphipogon sericeus</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.4
<i>Aristida inaequiglumis</i>	0.1	1.1
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.4
<i>Digitaria ammophila</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis xerophila</i>	0.1	0.2
<i>Eremophila longifolia</i>	0.1	2.5
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eulalia aurea</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.2
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	0.5
<i>Hakea chordophylla</i>	0.1	3.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.3
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.3
<i>Hibiscus sturtii</i>	0.1	0.15
<i>Indigofera monophylla</i>	0.1	0.5
<i>Panicum effusum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Peripleura virgata</i>	0.1	0.3
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus astrolasius</i>	0.1	0.2
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.9
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Santalum lanceolatum</i>	0.1	2.1
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	2.4
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Stemodia grossa</i>	0.1	0.1
<i>Teucrium teucriiflorum</i>	0.1	0.5
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.1
<i>Trianthema glossostigmum</i>	0.1	0.05
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Vincetoxicum lineare</i>	0.1	0.5

* denotes weed species

Site: RQ042

Type: Quadrat

Date: 10/07/2019, 24/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 739628 Northing: 7442249

Habitat: Residual rise

Soil: reddish brown sandy clay loam

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* low mallee woodland over *Acacia aptaneura*, *A. adsurgens* and *Senna artemisioides* subsp. *filifolia* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Triodia wiseana* very open hummock grassland with *Enneapogon caerulescens* and *Enneapogon robustissimus* very open annual grassland over *Abutilon macrum* scattered herbs.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	20	4
<i>Enneapogon caerulescens</i>	4	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.4
<i>Triodia wiseana</i>	3	1.1
<i>Acacia adsurgens</i>	2	2.3
<i>Enneapogon robustissimus</i>	2	0.5
<i>Acacia aptaneura</i>	1	4.5
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	1	3
<i>Abutilon ?cunninghamii</i>	0.5	0.5
<i>Abutilon macrum</i>	0.5	0.5
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	2.5
<i>Acacia macraneura</i>	0.1	4.5
<i>Acacia pruinocarpa</i>	0.1	2.3
<i>Acacia tetragonophylla</i>	0.1	1.2
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.2

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Name	Cover (%)	Height (m)
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Capparis lasiantha</i>	0.1	1.3
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.6
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis eriopoda</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.8
<i>Eremophila longifolia</i>	0.1	1.5
<i>Eriachne mucronata</i>	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Goodenia microptera</i>	0.1	0.5
<i>Goodenia vilmorinae</i>	0.1	0.3
<i>Heliotropium inexplicitum</i>	0.1	0.2
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Indigofera linifolia</i>	0.1	0.2
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.6
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.2
<i>Salsola australis</i>	0.1	0.3
<i>Sclerolaena cornishiana</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.7
<i>Sida fibulifera</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.7
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.6

* denotes weed species

? denotes unconfirmed ID

Site: RQ043

Type: Quadrat

Date: 10/07/2019, 12/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 741829 Northing: 7441307

Habitat: Clay plain

Soil: dark reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* scattered low trees with *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Ptilotus obovatus* var. *obovatus* scattered shrubs over *Chrysopogon fallax* very open tussock grassland with *Digitaria ctenantha*, *Aristida contorta* and *Perotis rara* very open annual grassland with **Bidens bipinnata* scattered herbs.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	11	6
<i>Acacia pruinocarpa</i>	4	7
<i>Aristida contorta</i>	3	0.2
<i>Chrysopogon fallax</i>	3	1.1
<i>Digitaria ctenantha</i>	2	0.4
<i>Perotis rara</i>	2	0.1
<i>*Bidens bipinnata</i>	1	0.3
<i>Enneapogon polyphyllus</i>	0.5	0.3
<i>Eucalyptus xerothermica</i>	0.5	5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.5
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Acacia aptaneura</i>	0.1	3
<i>Amaranthus cuspidifolius</i>	0.1	0.1
<i>Aristida ingrata</i>	0.1	0.4
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Commelina ensifolia</i>	0.1	0.3
<i>Corchorus tridens</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.2
<i>Dactyloctenium radulans</i>	0.1	0.15
<i>Digitaria ammophila</i>	0.1	0.1
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.1
<i>Eragrostis cumingii</i>	0.1	0.15
<i>Eremophila lanceolata</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	2.5
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.15
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	2.8
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Iseilema dolichotrichum</i>	0.1	0.3
<i>Isotropis iophyta</i>	0.1	0.5
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.25
<i>Maireana villosa</i>	0.1	0.3
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	1.1
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Ptilotus roei</i>	0.1	0.05
<i>Salsola australis</i>	0.1	0.6
<i>Sclerolaena cornishiana</i>	0.1	0.2
<i>Setaria surgens</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.15
<i>Sida platycalyx</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.8
<i>Tribulus astrocarpus</i>	0.1	0.05
<i>Triodia melvillei</i>	0.1	0.4

* denotes weed species

Site: RQ044

Type: Quadrat

Date: 11/07/2019, 24/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 750938 Northing: 7443707

Habitat: Hillslope

Soil: dark reddish brown clay loam

Rock type: Ironstone, Laterite

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *E. gamophylla* low open mallee woodland over *Acacia adsurgens* and *A. ancistrocarpa* tall open shrubland over *Triodia vanleeuwenii* hummock grassland with *Themeda triandra* scattered tussock grasses with *Amphipogon sericeus* scattered annual grasses.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.5
<i>Eucalyptus gamophylla</i>	3	4.5
<i>Acacia adsurgens</i>	2	2.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	4
<i>Themeda triandra</i>	1.5	0.6
<i>Acacia ancistrocarpa</i>	1	3.5
<i>Amphipogon sericeus</i>	0.5	0.2
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	1.4
<i>Acacia hilliana</i>	0.1	0.5
<i>Acacia pruinocarpa</i>	0.1	1.8
<i>Acacia tetragonophylla</i>	0.1	1.9
<i>Acacia tumida</i> var. <i>pilbarensis</i>	0.1	0.3
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Codonocarpus cotinifolius</i>	0.1	2.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	3
<i>Cymbopogon ambiguus</i>	0.1	0.9
<i>Digitaria ammophila</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.3
<i>Eriachne lanata</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eulalia aurea</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.5
<i>Indigofera monophylla</i>	0.1	0.5
<i>Panicum effusum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Polycarpaea holtzei</i>	0.1	0.1
<i>Pterocaulon</i> sp.	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.2
<i>Ptilotus rotundifolius</i>	0.1	1.1
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.2
<i>Senna sericea</i>	0.1	1.9
<i>Sida arenicola</i>	0.1	1.1
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	1
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.5
<i>Triodia wiseana</i>	0.1	0.3
<i>Waltheria indica</i>	0.1	0.3

Site: RQ045

Type: Quadrat

Date: 10/07/2019, 24/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 740485 Northing: 7443480

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: Ironstone

Vegetation: *Corymbia candida* scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. pruinocarpa* tall shrubland over *Sida ectogama* scattered shrubs over *Triodia pungens* scattered hummock grasses over *Chrysopogon fallax* scattered tussock grasses over *Enneapogon polyphyllus* scattered annual grasses with **Bidens bipinnata* scattered herbs

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	6
<i>Acacia aptaneura</i>	4	5
<i>Acacia pruinocarpa</i>	1	8
<i>*Bidens bipinnata</i>	1	0.2
<i>Enneapogon polyphyllus</i>	1	0.4
<i>Triodia pungens</i>	1	0.4
<i>Chrysopogon fallax</i>	0.5	0.5
<i>Corymbia candida</i>	0.5	7
<i>Sida ectogama</i>	0.5	1.2
<i>Abutilon cryptopetalum</i>	0.1	0.4
<i>Abutilon otocarpum</i>	0.1	0.15
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.05
<i>Boerhavia repleta</i>	0.1	0.05
<i>Bulbostylis turbinata</i>	0.1	0.05

Name	Cover (%)	Height (m)
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1
<i>Commelina ensifolia</i>	0.1	0.15
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Digitaria ammophila</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	0.1
<i>Enneapogon lindleyanus</i>	0.1	0.4
<i>Eragrostis cumingii</i>	0.1	0.15
<i>Eragrostis pergracilis</i>	0.1	0.2
<i>Eremophila lanceolata</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.6
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.05
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.3
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Goodenia prostrata</i>	0.1	0.05
<i>Grevillea berryana</i>	0.1	2.2
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Iseilema membranaceum</i>	0.1	0.15
<i>Maireana villosa</i>	0.1	0.15
<i>Perotis rara</i>	0.1	0.15
<i>Portulaca filifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.05
<i>Psyrax latifolia</i>	0.1	1.6
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus roei</i>	0.1	0.05
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.1
<i>Senna notabilis</i>	0.1	0.15
<i>Sida platycalyx</i>	0.1	0.1
<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)	0.1	0.2
<i>Spermacoce brachystema</i>	0.1	0.15
<i>Themeda triandra</i>	0.1	0.6
<i>Tripogonella loliiiformis</i>	0.1	0.15

* denotes weed species

Site: RQ046

Type: Quadrat

Date: 11/07/2019, 22/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 739756 Northing: 7444210

Habitat: Hillslope

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *E. gamophylla* low open mallee woodland over *Acacia bivenosa* tall open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	45	0.5
<i>Eucalyptus gamophylla</i>	7.5	5
<i>Triodia pungens</i>	5	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	7
<i>Acacia bivenosa</i>	2	3
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Abutilon</i> sp.	0.1	0.1
<i>Acacia ancistrocarpa</i>	0.1	1.5
<i>Acacia aptaneura</i>	0.1	2.5
<i>Acacia maitlandii</i>	0.1	2.5
<i>Acacia pachyacra</i>	0.1	1.4
<i>Acacia sibirica</i>	0.1	1.2
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.4
<i>Aristida ingrata</i>	0.1	0.7
<i>Codonocarpus cotinifolius</i>	0.1	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6

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Name	Cover (%)	Height (m)
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Digitaria ammophila</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.6
<i>Eriachne mucronata</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	1.7
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	0.8
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.3
<i>Peripleura virgata</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.9
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus rotundifolius</i>	0.1	1.2
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	0.9
<i>Senna ferraria</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.8
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.6
<i>Solanum centrale</i>	0.1	0.2
<i>Solanum horridum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Stemodia grossa</i>	0.1	0.3
<i>Tephrosia oxalidea</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.7
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	1
<i>Triodia wiseana</i>	0.1	0.4

Site: RQ047

Type: Quadrat

Date: 10/07/2019, 26/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 738155 Northing: 7442214

Habitat: Clay plain

Soil: brown clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *Grevillea berryana* tall shrubland over *Aristida obscura*, *Digitaria brownii* and *Enneapogon polyphyllus* scattered annual grasses

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	6
<i>Acacia aptaneura</i>	4	5
<i>Acacia ayersiana</i>	0.5	2.5
<i>Acacia pruinocarpa</i>	0.5	3.5
<i>Aristida obscura</i>	0.5	0.2
<i>Digitaria brownii</i>	0.5	0.1
<i>Enneapogon polyphyllus</i>	0.5	0.4
<i>Grevillea berryana</i>	0.5	4.5
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia tetragonophylla</i>	0.1	1.5
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida ingrata</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.1
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Commelina ensifolia</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	1.1
<i>Dysphania</i> sp.	0.1	0.1
<i>Enneapogon robustissimus</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.5
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.6
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	6
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Maireana villosa</i>	0.1	0.2
<i>Monachather paradoxus</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	1.1
<i>Perotis rara</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.3
<i>Psyrax suaveolens</i>	0.1	1.3
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus xerophilus</i>	0.1	0.4
<i>Rhagodia eremaea</i>	0.1	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.2
<i>Senna notabilis</i>	0.1	0.1
<i>Sida ectogama</i>	0.1	0.5
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Thyridolepis xerophila</i>	0.1	0.3
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.4

* denotes weed species

Site: RQ049

Type: Quadrat

Date: 10/07/2019, 22/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 740880 Northing: 7445000

Habitat: Hillslope

Soil: dark reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Acacia pruinocarpa* and *A. marramamba* tall open shrubland over *Eremophila exilifolia* low open shrubland over *Triodia pungens* and *T. vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	45	0.5
<i>Triodia vanleeuwenii</i>	5	0.4
<i>Acacia pruinocarpa</i>	3	3
<i>Acacia marramamba</i>	2	2.5
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Acacia aneura</i>	0.1	2.5
<i>Acacia aptaneura</i>	0.1	1.2
<i>Acacia atkinsiana</i>	0.1	1
<i>Acacia monticola</i>	0.1	2.1
<i>Acacia rhodophloia</i>	0.1	1.2
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Androcalva luteiflora</i>	0.1	2.2
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Codonocarpus cotinifolius</i>	0.1	1.3
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	3.5
<i>Cucumis variabilis</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	1.5
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.1
<i>Enneapogon caeruleascens</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eremophila exilifolia</i>	0.1	0.1
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.9
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Goodenia microptera</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.5
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Heliotropium skeleton</i>	0.1	0.4
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Hibiscus coatesii</i>	0.1	0.7
<i>Indigofera monophylla</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.2
<i>Peripleura virgata</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus fusiformis</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Santalum lanceolatum</i>	0.1	1.6
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.1
<i>Senna glaucifolia</i>	0.1	1.9
<i>Senna notabilis</i>	0.1	0.1
<i>Sida arenicola</i>	0.1	0.6
<i>Sida cardiophylla</i>	0.1	0.7
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Stemodia grossa</i>	0.1	0.3
<i>Stylobasium spathulatum</i>	0.1	1.7
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	1.5

Site: RQ050

Type: Quadrat

Date: 12/07/2019, 15/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 753376 **Northing:** 7441147

Habitat: Hillslope

Soil: dark reddish brown hardsetting, sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* low open woodland over *Eucalyptus gamophylla* low open mallee woodland over *Acacia sibirica*, *A. hamersleyensis* and *A. aptaneura* tall open scrub over *Eremophila latrobei* subsp. *latrobei* scattered shrubs over *Triodia wiseana* and *T. vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	17	0.7
<i>Acacia hamersleyensis</i>	15	2.8
<i>Triodia vanleeuwenii</i>	15	0.5
<i>Corymbia hamersleyana</i>	2	4.5
<i>Eucalyptus gamophylla</i>	2	3.5
<i>Acacia sibirica</i>	0.5	1.6
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.5	1.6
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.6
<i>Acacia ancistrocarpa</i>	0.1	2.3
<i>Acacia aptaneura</i>	0.1	2
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Acacia rhodophloia</i> x ? <i>sibirica</i>	0.1	2.2
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Codonocarpus cotinifolius</i>	0.1	1.3
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.9
<i>Duperreya commixta</i>	0.1	1

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	2.3
<i>Eriachne mucronata</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	1.7
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.1
<i>Panicum laevinode</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.6
<i>Paspalidium clementii</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus polystachyus</i>	0.1	0.7
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.2
<i>Schizachyrium fragile</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.3
<i>Sida arenicola</i>	0.1	0.5
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1

? denotes unconfirmed ID

Site: RQ051

Type: Quadrat

Date: 12/07/2019, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 749400 **Northing:** 7441142

Habitat: Hillcrest

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia pruinocarpa*, *Hakea chordophylla* and *Psyrax latifolia* tall open shrubland over *A. sibirica* scattered shrubs over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland with *Eriachne lanata* very open tussock grassland.

Veg Condition: Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	27	0.5
<i>Eriachne lanata</i>	7	0.4
<i>Acacia pruinocarpa</i>	2.5	5
<i>Triodia pungens</i>	1	0.5
<i>Acacia sibirica</i>	0.5	1.6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Hakea chordophylla</i>	0.5	2.6
<i>Psyrax latifolia</i>	0.5	2.3
<i>Seringia exastia</i>	0.5	0.6
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia adsurgens</i>	0.1	0.9
<i>Acacia ancistrocarpa</i>	0.1	2.1
<i>Acacia aptaneura</i>	0.1	1.5
<i>Acacia ayersiana</i>	0.1	1.4
<i>Acacia hamersleyensis</i>	0.1	2.1
<i>Acacia kempeana</i>	0.1	1.7
<i>Acacia maitlandii</i>	0.1	2.3
<i>Acacia marramamba</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Androcalva loxophylla</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.4
<i>Calytrix carinata</i>	0.1	0.5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	1
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis eriopoda</i>	0.1	0.3
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.6
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	2.2
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.4
<i>Goodenia stobbsiana</i>	0.1	0.6
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Grevillea berryana</i>	0.1	2.2
<i>Haloragis</i> sp.	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	0.3
<i>Hibiscus sturtii</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.3
<i>Mirbelia viminalis</i>	0.1	0.8
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.2
<i>Petalostylis labicheoides</i>	0.1	2.2
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.9
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.5
<i>Senna ferraria</i>	0.1	2.8
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.9
<i>Senna notabilis</i>	0.1	0.1
<i>Sida arenicola</i>	0.1	0.9
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Teucrium teucriiflorum</i>	0.1	1.2
<i>Trianthema glossostigmum</i>	0.1	0.1

Site: RQ052

Type: Quadrat

Date: 14/09/2019, 23/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 733807 **Northing:** 7435505

Habitat: Drainage depression

Soil: dark reddish brown crabhole/self-mulching,surface crust,sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* open woodland over *Rhagodia eremaea* and *Duma florulenta* open heath over *Eriachne flaccida* and *Astrebla elymoides* open tussock grassland.

Veg Condition: Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Rhagodia eremaea</i>	25	1.5
<i>Duma florulenta</i>	20	1.8
<i>Eriachne flaccida</i>	12	0.4
<i>Eucalyptus victrix</i>	5	15
<i>Astrebla elymoides</i>	1	0.5
<i>Alternanthera denticulata</i>	0.1	0.3
<i>Ammannia multiflora</i>	0.1	0.05
<i>Aristida latifolia</i>	0.1	0.7
<i>Arivela viscosa</i>	0.1	0.4
<i>Bergia pedicellaris</i>	0.1	0.05
<i>Boerhavia paludosa</i>	0.1	0.4
<i>Bulbostylis turbinata</i>	0.1	0.05
<i>Centipeda minima</i> subsp. <i>macrocephala</i>	0.1	0.05
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Corchorus tridens</i>	0.1	0.2
<i>Cucumis melo</i>	0.1	1
<i>Cyperus iria</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.2
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Elytrophorus spicatus</i>	0.1	0.05
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Eragrostis tenellula</i>	0.1	0.05
<i>Eremophila longifolia</i>	0.1	1.8
<i>Euphorbia coghlanii</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Glycine falcata</i> P3	0.1	0.05
<i>Hibiscus verdcourtii</i>	0.1	0.4
* <i>Malvastrum americanum</i>	0.1	0.9
<i>Marsilea hirsuta</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.5
<i>Panicum laevinode</i>	0.1	0.5
<i>Pimelea holroydii</i>	0.1	0.4
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Schoenoplectiella dissachantha</i>	0.1	0.1
<i>Schoenoplectiella laevis</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.3
<i>Setaria dielsii</i>	0.1	0.4
<i>Sida fibulifera</i>	0.1	0.1
<i>Stemodia grossa</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	1
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1	0.4
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.2

* denotes weed species

Site: RQ053

Type: Quadrat

Date: 14/09/2019, 10/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 731181 **Northing:** 7435504

Habitat: Hillcrest

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Acacia inaequilatera* and *A. pruinocarpa* tall open shrubland over *A. bivenosa* and *Ptilotus rotundifolius* scattered shrubs over *Triodia vanleeuwenii*, *T. wiseana* and *T. pungens* hummock grassland with *Enneapogon polyphyllus* scattered annual grasses.

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	30	0.4
<i>Triodia wiseana</i>	25	0.6
<i>Triodia pungens</i>	10	0.4
<i>Acacia inaequilatera</i>	2	2.1
<i>Acacia bivenosa</i>	0.5	1.6
<i>Acacia pruinocarpa</i>	0.5	2.4
<i>Enneapogon polyphyllus</i>	0.5	0.3
<i>Ptilotus rotundifolius</i>	0.5	1.4
<i>Abutilon cunninghamii</i>	0.1	0.1
<i>Abutilon lepidum</i>	0.1	0.6
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia sibirica</i>	0.1	1.6
<i>Acacia tenuissima</i>	0.1	1.2
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	1
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Bulbostylis barbata</i>	0.1	0.5
<i>Capparis spinosa</i> subsp. <i>nummularia</i>	0.1	0.6

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Name	Cover (%)	Height (m)
<i>Corchorus parviflorus</i>	0.1	0.2
<i>Corymbia hamersleyana</i>	0.1	2
<i>Cucumis variabilis</i>	0.1	0.6
<i>Digitaria ammophila</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	2
<i>Enneapogon caeruleus</i>	0.1	0.1
<i>Enneapogon lindleyanus</i>	0.1	0.6
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.2
<i>Eremophila longifolia</i>	0.1	1.6
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus gamophylla</i>	0.1	2.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Exocarpos sparteus</i>	0.1	0.5
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Heliotropium inexplicitum</i>	0.1	0.2
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.2
<i>Maireana planifolia</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.6
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus clementii</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.9
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna glaucifolia</i>	0.1	0.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.8
<i>Sida echinocarpa</i>	0.1	0.4
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.6
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Streptoglossa bubakii</i>	0.1	0.3
<i>Tribulus suberosus</i>	0.1	0.9

* denotes weed species

Site: RQ056

Type: Quadrat

Date: 14/09/2019, 10/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 733686 **Northing:** 7435843

Habitat: Drainage depression

Soil: dark reddish brown crabhole/self-mulching, sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* woodland over *Rhagodia eremaea* scattered low shrubs over *Eriachne flaccida*, *Themeda triandra* and *Aristida latifolia* tussock grassland with *Urochloa occidentalis* var. *ciliata* and *Iseilema vaginiflorum* scattered annual grasses.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Eriachne flaccida</i>	40	0.8
<i>Eucalyptus victrix</i>	11	14.5
<i>Iseilema vaginiflorum</i>	5	0.2
<i>Aristida latifolia</i>	1	1
<i>Eragrostis setifolia</i>	1	0.4
<i>Rhagodia eremaea</i>	1	0.8
<i>Themeda triandra</i>	1	1.2
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.5	0.2
<i>Alternanthera nana</i>	0.1	0.1
<i>Amaranthus cuspidifolius</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.2
<i>Astrebla elymoides</i>	0.1	0.7
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.4
<i>Commelina ensifolia</i>	0.1	0.1
<i>Corchorus tridens</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Cucumis variabilis</i>	0.1	0.5
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Eragrostis tenellula</i>	0.1	0.1
<i>Eremophila longifolia</i>	0.1	2.2
<i>Eucalyptus xerothermica</i>	0.1	5
<i>Euphorbia biconvexa</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Glycine falcata</i> P3	0.1	0.2
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.35
<i>Indigofera linifolia</i>	0.1	0.2
<i>Ipomoea lonchophylla</i>	0.1	0.1
* <i>Malvastrum americanum</i>	0.1	0.6
<i>Marsilea hirsuta</i>	0.1	0.1
<i>Minuria integerrima</i>	0.1	0.3
<i>Neptunia dimorphantha</i>	0.1	0.3
<i>Panicum decompositum</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.2
<i>Ptilotus xerophilus</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.1
<i>Setaria dielsii</i>	0.1	0.4
* <i>Setaria verticillata</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida spinosa</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Streptoglossa bubakii</i>	0.1	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.2

* denotes weed species

Site: RQ060**Type:** Quadrat**Date:** 15/09/2019, 11/04/2021**Described by:** KMc / RD / EL / HP**MGA zone:** 50K**Easting:** 732057 **Northing:** 7436680**Habitat:** Clay plain**Soil:** dark reddish brown hardsetting, sandy clay loam**Rock type:** Ironstone**Vegetation:** *Triodia melvillei* open hummock grassland with *Aristida contorta* scattered annual grasses.**Veg Condition:** Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	20	0.9
<i>Aristida contorta</i>	1	0.3
<i>Acacia pachyacra</i>	0.5	3
<i>Acacia pruinocarpa</i>	0.5	3.5
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia aptaneura</i>	0.1	1.5
<i>Aristida inaequiglumis</i>	0.1	1
<i>Aristida obscura</i>	0.1	0.5
<i>Chrysopogon fallax</i>	0.1	0.3
<i>Eragrostis eriopoda</i>	0.1	0.3
<i>Eremophila lanceolata</i>	0.1	0.2
<i>Euphorbia drummondii</i>	0.1	0.3
<i>Goodenia prostrata</i>	0.1	0.02
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3.5
<i>Hibiscus burtonii</i>	0.1	0.7
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.1
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.25
<i>Panicum decompositum</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus xerophilus</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.7
<i>Sida</i> sp. tiny glabrous fruit (A.A. Mitchell PRP1152)	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Yakirra australiensis</i> var. <i>australiensis</i>	0.1	0.1

Site: RQ062

Type: Quadrat

Date: 15/09/2019, 11/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 731933 **Northing:** 7436133

Habitat: Hillcrest

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Androcalva luteiflora*, *Acacia trudgeniana* and *Acacia pruinocarpa* tall open shrubland over *Triodia pungens* hummock grassland with *Eriachne mucronata* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	45	0.6
<i>Androcalva luteiflora</i>	3	2.5
<i>Acacia trudgeniana</i>	2	3.8
<i>Eriachne mucronata</i>	1	0.1
<i>Acacia pachyacra</i>	0.5	3
<i>Acacia pruinocarpa</i>	0.5	1.7
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia aptaneura</i>	0.1	0.5
<i>Acacia bivenosa</i>	0.1	1.8
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.5
<i>Arivela viscosa</i>	0.1	0.3
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	2.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena kanisii</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Goodenia triodiophila</i>	0.1	0.5
<i>Hakea chordophylla</i>	0.1	3
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Hibiscus coatesii</i>	0.1	0.6
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.8
<i>Panicum effusum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.3
<i>Pterocaulon sphaeranthoides</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.9
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus polystachyus</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	0.7
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.4
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.4
<i>Senna notabilis</i>	0.1	0.1
<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>	0.1	0.6
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.5
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Stemodia grossa</i>	0.1	0.4
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.9

Site: RQ063

Type: Quadrat

Date: 14/09/2019, 23/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 733888 Northing: 7434861

Habitat: Clay plain

Soil: reddish brown crabhole/self-mulching, clay loam

Vegetation: *Astrebla elymoides* (*Aristida latifolia*) tussock grassland.

Veg Condition: Good

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	68	0.8
<i>Aristida latifolia</i>	0.5	0.6
<i>Abutilon malvifolium</i>	0.1	0.05
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Austrobryonia pilbarensis</i>	0.1	0.05
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia paludosa</i>	0.1	0.4
<i>Bulbine pendula</i>	0.1	0.3
* <i>Cenchrus ciliaris</i>	0.1	0.5
<i>Centipeda minima</i> subsp. <i>macrocephala</i>	0.1	0.05
<i>Chrysopogon fallax</i>	0.1	1
<i>Commelina ensifolia</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.1
<i>Cynodon convergens</i>	0.1	0.3
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Eragrostis tenellula</i>	0.1	0.05
<i>Glycine falcata</i> P3	0.1	0.15

Name	Cover (%)	Height (m)
<i>Haloragis odontocarpa</i>	0.1	0.05
<i>Hibiscus verdcourtii</i>	0.1	0.4
<i>Indigofera linifolia</i>	0.1	0.4
<i>Ipomoea lonchophylla</i>	0.1	0.05
<i>Ischaemum albavillosum</i>	0.1	0.4
<i>Iseilema vaginiflorum</i>	0.1	0.5
<i>Lotus cruentus</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.3
<i>Panicum laevinode</i>	0.1	0.6
<i>Phyllanthus maderaspatensis</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Rhagodia eremaea</i>	0.1	1.3
<i>Rhynchosia minima</i>	0.1	0.05
<i>Salsola australis</i>	0.1	0.4
<i>Sida fibulifera</i>	0.1	0.15
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	0.1	0.4
* <i>Tribulus terrestris</i>	0.1	0.1
<i>Astrebla pectinata</i>	0	0.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0	0.4

* denotes weed species

Site: RQ065

Type: Quadrat

Date: 15/09/2019, 11/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 733803 **Northing:** 7434688

Habitat: Clay plain

Soil: red brown crabhole/self-mulching, clay loam

Rock type: Calcrete

Vegetation: *Hakea lorea* subsp. *lorea* tall open shrubland over *Astrebla elymoides*, *Chrysopogon fallax* and *Aristida latifolia* open tussock grassland with *Sida fibulifera* and *Indigofera linifolia* scattered herbs.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	20	0.6
<i>Chrysopogon fallax</i>	4	1.1
<i>Aristida latifolia</i>	2	1.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	2	5
<i>Indigofera linifolia</i>	1	0.4
<i>Eragrostis setifolia</i>	0.5	0.2
<i>Iseilema vaginiflorum</i>	0.5	0.5
<i>Sida fibulifera</i>	0.5	0.1
<i>Abutilon malvifolium</i>	0.1	0.02
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.5
<i>Boerhavia paludosa</i>	0.1	0.4
<i>Calocephalus pilbarensis</i>	0.1	0.02
<i>Convolvulus clementii</i>	0.1	0.2
<i>Convolvulus remotus</i>	0.1	0.1
<i>Corchorus tridens</i>	0.1	0.2
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cullen cinereum</i>	0.1	0.2
<i>Cynodon convergens</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.5
<i>Enneapogon lindleyanus</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Glycine canescens</i>	0.1	0.02
<i>Glycine falcata</i> P3	0.1	0.4
<i>Ipomoea lonchophylla</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.3
<i>Panicum laevinode</i>	0.1	0.6
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.15
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Rhagodia eremaea</i>	0.1	1.5
<i>Rhynchosia minima</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4

Site: RQ067

Type: Quadrat

Date: 15/09/2019, 11/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 733710 Northing: 7434924

Habitat: Clay plain

Soil: reddish brown crabhole/self-mulching, clay loam

Vegetation: *Eucalyptus victrix* (*E. xerothermica*) low open woodland over *Aristida latifolia*, *Eragrostis setifolia* and *Astrebla elymoides* closed tussock grassland over *Cullen cinereum* and *Sida fibulifera* scattered herbs.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida latifolia</i>	30	1.1
<i>Eragrostis setifolia</i>	25	0.4
<i>Astrebla elymoides</i>	15	0.6
<i>Eucalyptus victrix</i>	7	10
<i>Themeda triandra</i>	5	1.2
<i>Cullen cinereum</i>	1	0.2
<i>Sida fibulifera</i>	1	0.1
<i>Eucalyptus xerothermica</i>	0.5	9
<i>Iseilema vaginiflorum</i>	0.5	0.3
<i>Neptunia dimorphantha</i>	0.5	0.2
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.5	0.3
<i>Acacia aptaneura</i>	0.1	1.7
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.6
<i>Atriplex ?bunburyana</i>	0.1	1.3
<i>Boerhavia paludosa</i>	0.1	0.5
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Convolvulus clementii</i>	0.1	0.1
<i>Corchorus tridens</i>	0.1	0.2
<i>Cucumis variabilis</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Cynodon convergens</i>	0.1	0.4
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Enneapogon lindleyanus</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila longifolia</i>	0.1	1.5
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Glycine falcata</i> P3	0.1	0.1
<i>Gomphrena kanisii</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.3
<i>Indigofera linifolia</i>	0.1	0.3
<i>Ipomoea lonchophylla</i>	0.1	0.1
* <i>Malvastrum americanum</i>	0.1	0.4
<i>Operculina aequisepala</i>	0.1	0.1
<i>Panicum laevinode</i>	0.1	0.7
<i>Phyllanthus maderaspatensis</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	1.2
<i>Salsola australis</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.5
<i>Sida spinosa</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3

* denotes weed species

? denotes unconfirmed ID

Site: RQ075

Type: Quadrat

Date: 16/09/2019, 10/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 736877 Northing: 7435087

Habitat: Hillslope

Soil: red brown loam

Rock type: Ironstone

Vegetation: *Acacia pruinocarpa* and *A. catenulata* subsp. *occidentalis* tall open shrubland over *Eremophila exilifolia* and *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Triodia pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia pruinocarpa</i>	5	3.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	2.5
<i>Eremophila exilifolia</i>	0.5	0.9
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.8
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia pachyacra</i>	0.1	1.1
<i>Acacia rhodophloia</i>	0.1	2.3
<i>Acacia sibirica</i>	0.1	1.2
<i>Amhipogon sericeus</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.7
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.8
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	2
<i>Enneapogon polyphyllus</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Enneapogon robustissimus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.5
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	1.8
<i>Hibiscus coatesii</i>	0.1	0.7
<i>Leichhardtia australis</i>	0.1	0.3
<i>Maireana villosa</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.2
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus clementii</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.9
<i>Schizachyrium fragile</i>	0.1	0.3
<i>Senna glaucifolia</i>	0.1	1.7
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.7
<i>Senna notabilis</i>	0.1	0.1
<i>Sida arenicola</i>	0.1	1.4
<i>Sida echinocarpa</i>	0.1	0.1
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Streptoglossa decurrens</i>	0.1	0.6
<i>Triodia pungens</i>	0.1	0.35
<i>Vittadinia dissecta</i> var. <i>hirta</i>	0.1	0.1

* denotes weed species

Site: RQ076

Type: Quadrat

Date: 16/09/2019, 22/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 734621 Northing: 7436378

Habitat: Clay plain

Soil: dark reddish brown surface crust, sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia candida* scattered trees over *Eucalyptus victrix* scattered low trees over *E. xerothermica* scattered low mallees over *Acacia aptaneura* tall open shrubland over *Ptilotus obovatus* scattered low shrubs over *Aristida inaequiglumis* and *Eragrostis setifolia* scattered tussock grasses over *Enneapogon polyphyllus*, *Aristida contorta* and *Panicum effusum* open annual grassland with **Bidens bipinnata* scattered herbs

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	15	0.5
<i>Acacia aptaneura</i>	4	6
<i>Aristida contorta</i>	4	0.3
<i>Aristida inaequiglumis</i>	1	1.4
<i>*Bidens bipinnata</i>	1	0.6
<i>Corymbia candida</i>	1	11.5
<i>Eragrostis setifolia</i>	1	0.4
<i>Eucalyptus xerothermica</i>	1	6.5
<i>Panicum effusum</i>	1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.6
<i>Aristida obscura</i>	0.5	0.3
<i>Chrysopogon fallax</i>	0.5	1.3
<i>Eucalyptus victrix</i>	0.5	5.5
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	0.5	1.3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.5
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Amaranthus cuspidifolius</i>	0.1	0.5

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Name	Cover (%)	Height (m)
<i>Aristida latifolia</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.7
<i>Astrebla elymoides</i>	0.1	0.9
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Boerhavia repleta</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Commelina ensifolia</i>	0.1	0.3
<i>Convolvulus clementii</i>	0.1	0
<i>Corchorus tridens</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0
<i>Cucumis variabilis</i>	0.1	0
<i>Cyperus bulbosus</i>	0.1	0.2
<i>Dactyloctenium radulans</i>	0.1	0.3
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.3
<i>Digitaria ctenantha</i>	0.1	0.7
<i>Duperreya commixta</i>	0.1	2.1
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.4
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eremophila lanceolata</i>	0.1	0.4
<i>Eriachne flaccida</i>	0.1	0.5
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia ?nuda</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia prostrata</i>	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	0.8
<i>Haloragis odontocarpa</i>	0.1	0.1
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Indigofera linifolia</i>	0.1	0.4
<i>Ipomoea lonchophylla</i>	0.1	0
<i>Iseilema vaginiflorum</i>	0.1	0.2
* <i>Malvastrum americanum</i>	0.1	0.6
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon serrulatum</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1
<i>Salsola australis</i>	0.1	0.2

Name	Cover (%)	Height (m)
* <i>Setaria verticillata</i>	0.1	0.8
<i>Sida fibulifera</i>	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Swainsona kingii</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	1.3
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1	0.5
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0
<i>Vincetoxicum lineare</i>	0.1	0

* denotes weed species

? denotes unconfirmed ID

Site: RQ080

Type: Quadrat

Date: 16/09/2019, 10/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 735647 **Northing:** 7436428

Habitat: Stony clay plain

Soil: dark reddish brown crabhole/self-mulching, sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* low open woodland over *Acacia aptaneura* tall shrubland over *Aristida latifolia* very open tussock grassland with *Enneapogon polyphyllus*, *Urochloa occidentalis* var. *ciliata* and *Iseilema vaginiflorum* open annual grassland with **Bidens bipinnata* scattered herbs.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	25	9
<i>Enneapogon polyphyllus</i>	15	0.3
<i>Aristida latifolia</i>	5	1
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	5	0.3
<i>Eucalyptus victrix</i>	4	9
* <i>Bidens bipinnata</i>	1	0.6
<i>Iseilema vaginiflorum</i>	1	0.5
<i>Abutilon lepidum</i>	0.1	0.1
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.6
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Boerhavia repleta</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	1.3
<i>Commelina ensifolia</i>	0.1	0.1
<i>Convolvulus remotus</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cynanchum floribundum</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	0.1
<i>Enneapogon lindleyanus</i>	0.1	0.4
<i>Eremophila lanceolata</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Ipomoea muelleri</i>	0.1	0.1
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon</i> sp.	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus xerophilus</i>	0.1	0.6
<i>Rhagodia eremaea</i>	0.1	1.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Salsola australis</i>	0.1	0.1
<i>Setaria dielsii</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.1
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Tribulus astrocarpus</i>	0.1	0.1

* denotes weed species

Site: RQ081**Type:** Quadrat**Date:** 16/09/2019, 09/04/2021**Described by:** KMc / RD / EL / HP**MGA zone:** 50K**Easting:** 737411 **Northing:** 7434294**Habitat:** Clay plain**Soil:** reddish brown crabhole/self-mulching, clay loam**Rock type:** Calcrete

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Aristida latifolia* and *Eragrostis xerophila* very open tussock grassland with *Aristida contorta* (*Enneapogon caeruleus*) closed annual grassland with *Rhynchosia minima* and *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113) scattered vines.

Veg Condition: Excellent**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	80	0.35
<i>Eragrostis xerophila</i>	4	0.3
<i>Aristida latifolia</i>	2	0.8
<i>Acacia aptaneura</i>	1	4
<i>Enneapogon caeruleus</i>	1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.8
<i>Rhynchosia minima</i>	0.5	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.5	0.4
<i>Astrebla elymoides</i>	0.1	0.6
<i>Austrobryonia pilbarensis</i>	0.1	0.5
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia paludosa</i>	0.1	0.6
<i>Convolvulus clementii</i>	0.1	0.3
<i>Cucumis variabilis</i>	0.1	0.3
<i>Cullen pogonocarpum</i>	0.1	0.2
<i>Cynanchum floribundum</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Eremophila longifolia</i>	0.1	2.1
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.2
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.15
<i>Goodenia pascua</i>	0.1	0.05
<i>Heliotropium tanythrix</i>	0.1	0.25
<i>Indigofera linifolia</i>	0.1	0.3
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Neptunia dimorphantha</i>	0.1	0.2
<i>Panicum decompositum</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Rhagodia eremaea</i>	0.1	1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1
<i>Salsola australis</i>	0.1	0.4
<i>Santalum lanceolatum</i>	0.1	1.9
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.5
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3

* denotes weed species

Site: RQ085

Type: Quadrat

Date: 17/09/2019, 25/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 739209 Northing: 7434439

Habitat: Clay plain

Soil: light reddish brown hardsetting, light clay

Rock type: Ironstone

Vegetation: *Corymbia candida* scattered low trees over *Acacia aptaneura* tall open shrubland over *Themeda triandra* and *Chrysopogon fallax* scattered tussock grasses over *Aristida contorta* open annual grassland.

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	28	0.3
<i>Acacia aptaneura</i>	8	6
<i>Themeda triandra</i>	1	0.8
<i>Chrysopogon fallax</i>	0.5	0.8
<i>Corymbia candida</i>	0.5	9
<i>Aristida inaequiglumis</i>	0.1	0.8
<i>Aristida latifolia</i>	0.1	0.6
<i>Arivela viscosa</i>	0.1	0.4
<i>Austrobryonia pilbarensis</i>	0.1	0.1
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.05
<i>Boerhavia repleta</i>	0.1	0.1
<i>Bulbostylis turbinata</i>	0.1	0.05
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Cucumis melo</i>	0.1	0.05
<i>Dactyloctenium radulans</i>	0.1	0.05
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Eremophila lanceolata</i>	0.1	0.7
<i>Eriachne benthamii</i>	0.1	0.4
<i>Euphorbia coghlanii</i>	0.1	0.3
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.05
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.4
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Iseilema eremaeum</i>	0.1	0.4
<i>Panicum effusum</i>	0.1	0.4
<i>Paspalidium rarum</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.05
<i>Polygala glaucifolia</i>	0.1	0.05
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.8
* <i>Setaria verticillata</i>	0.1	0.6
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.5

* denotes weed species

Site: RQ090

Type: Quadrat

Date: 17/09/2019, 10/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 736316 Northing: 7436371

Habitat: Stony clay plain

Soil: dark reddish brown crabhole/self-mulching, sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* low open woodland over *Acacia aptaneura* tall shrubland over *Rhagodia eremaea* scattered shrubs over *Chrysopogon fallax* and *Aristida latifolia* very open tussock grassland with *Setaria dielsii*, *Urochloa occidentalis* var. *ciliata* and **Chloris virgata* open annual grassland with **Bidens bipinnata* scattered herbs.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	20	0.3
<i>Acacia aptaneura</i>	14	7
<i>Setaria dielsii</i>	10	0.7
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	7	0.3
<i>*Chloris virgata</i>	5	0.7
<i>Chrysopogon fallax</i>	4	1.4
<i>Aristida latifolia</i>	3	0.8
<i>Eucalyptus victrix</i>	3	7
<i>Iseilema vaginiflorum</i>	1	0.4
<i>Rhagodia eremaea</i>	1	1.2
<i>*Bidens bipinnata</i>	0.5	0.5
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.3
<i>Amaranthus cuspidifolius</i>	0.1	0.6
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.2
<i>*Cenchrus ciliaris</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Commelina ensifolia</i>	0.1	0.1
<i>Convolvulus clementii</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	2
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.4
<i>Eremophila longifolia</i>	0.1	1.7
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus xerophilus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.9
<i>Salsola australis</i>	0.1	0.4
* <i>Setaria verticillata</i>	0.1	0.4
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Sida spinosa</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ091

Type: Quadrat

Date: 18/09/2019, 13/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 742036 **Northing:** 7435029

Habitat: Hillcrest

Soil: red brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia aptaneura* tall open shrubland over *Triodia vanleeuwenii* (*T. pungens*) hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	5	6
<i>Acacia aptaneura</i>	2	5
<i>Triodia pungens</i>	2	0.4
<i>Acacia bivenosa</i>	0.1	2.8
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	3
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Acacia rhodophloia</i>	0.1	1.8
<i>Acacia sibirica</i>	0.1	1.6
<i>Acacia tetragonophylla</i>	0.1	1.6
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cucumis variabilis</i>	0.1	1
<i>Duperreya commixta</i>	0.1	2.3
<i>Enneapogon polyphyllus</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Grevillea berryana</i>	0.1	2.5
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.2
<i>Psyrax suaveolens</i>	0.1	1.2
<i>Ptilotus rotundifolius</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	3
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.1

Site: RQ093

Type: Quadrat

Date: 18/09/2019, 09/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 741689 Northing: 7434773

Habitat: Clay plain

Soil: reddish brown light clay

Rock type: Calcrete

Vegetation: *Corymbia candida* and *Eucalyptus victrix* open woodland over *Acacia aptaneura* and *Grevillea berryana* tall open shrubland over *Rhagodia eremaea* and *Senna artemisioides* subsp. *x artemisioides* open shrubland over *Ptilotus obovatus* var. *obovatus* low shrubland over **Cenchrus ciliaris* and *Themeda triandra* very open tussock grassland with *Digitaria ctenantha* and *Enneapogon lindleyanus* open annual grassland.

Veg Condition: Very Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Digitaria ctenantha</i>	20	0.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	15	0.7
<i>Rhagodia eremaea</i>	5	1.5
<i>Acacia aptaneura</i>	3	6
<i>*Cenchrus ciliaris</i>	3	0.6
<i>Corymbia candida</i>	1	11
<i>Enneapogon lindleyanus</i>	1	0.4
<i>Eucalyptus victrix</i>	1	12
<i>Themeda triandra</i>	1	0.7
<i>Grevillea berryana</i>	0.5	4
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.5	1.5
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Abutilon</i> sp.	0.1	0.1
<i>Acacia pruinocarpa</i>	0.1	2.2
<i>Acacia tetragonophylla</i>	0.1	1.4
<i>Anthobolus leptomerioides</i>	0.1	1.1
<i>Arivela viscosa</i>	0.1	0.2

Name	Cover (%)	Height (m)
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	1
<i>Cucumis variabilis</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	2.2
<i>Enneapogon caerulescens</i>	0.1	0.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.5
<i>Eremophila longifolia</i>	0.1	0.7
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.4
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	2.5
<i>Heliotropium cunninghamii</i>	0.1	0.3
* <i>Malvastrum americanum</i>	0.1	0.3
<i>Melhania oblongifolia</i>	0.1	0.2
<i>Paspalidium basicladum</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Salsola australis</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.4
<i>Setaria dielsii</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3

* denotes weed species

Site: RQ094

Type: Quadrat

Date: 18/09/2019, 10/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 737970 Northing: 7436160

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Vegetation: *Acacia aptaneura* tall shrubland over *Rhagodia eremaea* open shrubland over *Aristida latifolia* scattered tussock grasses with *Iseilema vaginiflorum* and *Enneapogon polyphyllus* annual grassland with **Bidens bipinnata* very open herbland.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Iseilema vaginiflorum</i>	40	0.7
<i>Acacia aptaneura</i>	20	8
<i>Enneapogon polyphyllus</i>	10	0.5
<i>Rhagodia eremaea</i>	4	1.5
<i>Aristida latifolia</i>	2	1
* <i>Bidens bipinnata</i>	2	0.6
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.1
* <i>Chloris virgata</i>	0.1	1.2
<i>Chrysopogon fallax</i>	0.1	0.5
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cynanchum floribundum</i>	0.1	0.2
<i>Dichanthium sericeum</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	0.2
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.2
<i>Eucalyptus victrix</i>	0.1	5
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.2

Name	Cover (%)	Height (m)
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Panicum decompositum</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Rhynchosia minima</i>	0.1	0.2
<i>Salsola australis</i>	0.1	0.4
<i>Setaria dielsii</i>	0.1	0.6
<i>Solanum lasiophyllum</i>	0.1	0.7
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3

* denotes weed species

Site: RQ095

Type: Quadrat

Date: 19/09/2019, 26/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 749966 Northing: 7433133

Habitat: Clay plain

Soil: reddish brown surface crust, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* and *A. pteraneura* scattered tall shrubs over *Ptilotus schwartzii* var. *schwartzii* scattered low shrubs over *Aristida contorta* very open annual grassland.

Veg Condition: Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	5	0.2
<i>Acacia aptaneura</i>	0.5	2.8
<i>Acacia pteraneura</i>	0.5	3.5
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.5	0.4
<i>Acacia aneura</i>	0.1	3.2
<i>Acacia tetragonophylla</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Calandrinia reticulata</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.1
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.3
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.05
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.05
<i>Heliotropium heteranthum</i>	0.1	0.05
<i>Hibiscus burtonii</i>	0.1	0.1
<i>Maireana planifolia</i> x <i>villosa</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Panicum effusum</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus roei</i>	0.1	0.05
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Salsola australis</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	0.5
<i>Senna notabilis</i>	0.1	0.3
<i>Sida platycalyx</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.4

* denotes weed species

Site: RQ097

Type: Quadrat

Date: 19/09/2019, 26/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 747941 Northing: 7433398

Habitat: Clay plain

Soil: reddish brown crabhole/self-mulching, surface crust, clay loam

Rock type: Calcrete

Vegetation: *Acacia aptaneura* and *A. pruinocarpa* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Chrysopogon fallax* very open tussock grassland with *Iseilema vaginiflorum*, *Enneapogon polyphyllus* and *Aristida contorta* very open annual grassland with **Bidens bipinnata* scattered herbs

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	6	0.9
<i>Acacia aptaneura</i>	3	7
<i>Chrysopogon fallax</i>	3	0.7
<i>Iseilema vaginiflorum</i>	3	0.5
<i>Enneapogon polyphyllus</i>	2	0.5
* <i>Bidens bipinnata</i>	1	0.6
<i>Acacia pruinocarpa</i>	0.5	5
<i>Aristida contorta</i>	0.5	0.4
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.8
<i>Abutilon macrum</i>	0.1	0.1
<i>Abutilon malvifolium</i>	0.1	0.1
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia tetragonophylla</i>	0.1	1.5
<i>Amyema</i> sp.	0.1	0.1
<i>Anthobolus leptomerioides</i>	0.1	2.1
<i>Aristida latifolia</i>	0.1	0.8
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.6

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Name	Cover (%)	Height (m)
<i>Austrobryonia pilbarensis</i>	0.1	0.1
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Boerhavia repleta</i>	0.1	0.1
<i>Boerhavia schomburgkiana</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
* <i>Chloris virgata</i>	0.1	0.5
<i>Chrysocephalum gilesii</i>	0.1	0.3
<i>Convolvulus clementii</i>	0.1	0.1
<i>Corchorus tridens</i>	0.1	0.2
<i>Cucumis melo</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cynodon convergens</i>	0.1	0.1
<i>Cyperus bulbosus</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.8
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Gomphrena kanisii</i>	0.1	0.3
<i>Gomphrena lanata</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	4.5
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Indigofera linifolia</i>	0.1	0.2
<i>Ipomoea lonchophylla</i>	0.1	0.1
<i>Ipomoea polymorpha</i>	0.1	0.1
* <i>Malvastrum americanum</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca filifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psudras latifolia</i>	0.1	2.1
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.8
<i>Salsola australis</i>	0.1	0.3
<i>Santalum lanceolatum</i>	0.1	3
<i>Senna stricta</i>	0.1	0.1
* <i>Setaria verticillata</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.7
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Stenopetalum nutans</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	1.5
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1
<i>Eucalyptus victrix</i>	0	8

* denotes weed species

Site: RQ100

Type: Quadrat

Date: 18/09/2019, 09/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 739751 **Northing:** 7436051

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus victrix* scattered low trees over *Acacia aptaneura* scattered tall shrubs over *Astrebla elymoides* and *Aristida latifolia* (*Chrysopogon fallax*) tussock grassland with *Urochloa occidentalis* var. *ciliata* and *Iseilema vaginiflorum* open annual grassland with *Sida fibulifera* very open herbland.

Veg Condition: Very Good

Fire Age: Very long unburnt

Notes: See T.A. Hammer et al. in Austral.Syst.Bot. 31:273 (2018)



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	55	0.8
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	15	0.4
<i>Aristida latifolia</i>	4	0.8
<i>Iseilema vaginiflorum</i>	4	0.5
<i>Eragrostis setifolia</i>	2	0.3
<i>Sida fibulifera</i>	2	0.2
<i>Chrysopogon fallax</i>	1	1.1
<i>Acacia aptaneura</i>	0.5	6.5
<i>Cynodon convergens</i>	0.5	0.3
<i>Eucalyptus victrix</i>	0.5	7
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Arivela viscosa</i>	0.1	0.5
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.4
<i>Convolvulus clementii</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.05

Name	Cover (%)	Height (m)
<i>Cucumis melo</i>	0.1	0.6
<i>Cynanchum floribundum</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Enneapogon caerulescens</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Indigofera linifolia</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.02
<i>Ptilotus carinatus</i>	0.1	0.25
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.6
<i>Rhynchosia minima</i>	0.1	0.1
<i>Salsola australis</i>	0.1	0.5
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.7
<i>Setaria dielsii</i>	0.1	0.6
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.15
<i>Themeda triandra</i>	0.1	0.5
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ102

Type: Quadrat

Date: 18/09/2019, 10/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 739618 **Northing:** 7436033

Habitat: Clay plain

Soil: dark reddish brown crabhole/self-mulching, sandy clay loam

Rock type: Calcrete

Vegetation: *Eucalyptus victrix* open woodland over *Acacia aptaneura* scattered tall shrubs over *Duma florulenta* open shrubland over *Chrysopogon fallax* and *Themeda triandra* very open tussock grassland with *Urochloa occidentalis* var. *ciliata*, *Digitaria ctenantha* and *Enneapogon polyphyllus* closed annual grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	55	0.3
<i>Digitaria ctenantha</i>	20	0.5
<i>Eucalyptus victrix</i>	6	13
<i>Duma florulenta</i>	5	1.4
<i>Enneapogon polyphyllus</i>	5	0.4
<i>Chrysopogon fallax</i>	3	1.4
<i>Acacia aptaneura</i>	1	8
<i>Themeda triandra</i>	1	1.2
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.5
<i>Acacia pruinocarpa</i>	0.1	2
<i>Acacia tetragonophylla</i>	0.1	1.5
<i>Aristida latifolia</i>	0.1	1.1
<i>Arivela viscosa</i>	0.1	0.5
<i>Astrebla elymoides</i>	0.1	0.6
* <i>Bidens bipinnata</i>	0.1	0.6
<i>Boerhavia coccinea</i>	0.1	0.2
* <i>Chloris virgata</i>	0.1	1.1
<i>Commelina ensifolia</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Convolvulus clementii</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.4
<i>Cucumis variabilis</i>	0.1	3
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.6
<i>Duperreya commixta</i>	0.1	0.3
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.4
<i>Enneapogon robustissimus</i>	0.1	0.6
<i>Eremophila longifolia</i>	0.1	3
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Indigofera linifolia</i>	0.1	0.3
* <i>Malvastrum americanum</i>	0.1	0.5
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1
<i>Rhynchosia minima</i>	0.1	0.2
<i>Salsola australis</i>	0.1	0.7
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	1.4
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.3
<i>Setaria dielsii</i>	0.1	0.3
* <i>Setaria verticillata</i>	0.1	0.7
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.2

* denotes weed species

Site: RQ103

Type: Quadrat

Date: 20/09/2019, 08/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 747567 Northing: 7431688

Habitat: Clay plain

Soil: reddish brown hardsetting, sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Ptilotus schwartzii* var. *schwartzii* scattered low shrubs over *Aristida contorta* open annual grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	25	0.3
<i>Acacia aptaneura</i>	1	3.5
<i>Panicum</i> sp.	0.5	0.4
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.5	0.3
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Calandrinia reticulata</i>	0.1	0.2
<i>Cyperus squarrosus</i>	0.1	0.03
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.8
<i>Eriachne flaccida</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.15
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.01
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.25
<i>Fimbristylis microcarya</i>	0.1	0.05
<i>Gomphrena lanata</i>	0.1	0.15
<i>Goodenia muelleriana</i>	0.1	0.02

Name	Cover (%)	Height (m)
<i>Goodenia nuda</i> P4	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Iseilema eremaeum</i>	0.1	0.4
<i>Paspalidium rarum</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.02
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Stenopetalum nutans</i>	0.1	0.1

Site: RQ104

Type: Quadrat

Date: 18/09/2019, 10/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 740303 Northing: 7435898

Habitat: Risecrest

Soil: dark reddish brown sandy loam

Vegetation: *Eucalyptus victrix* scattered low trees over *Acacia tetragonophylla*, *A. pruinocarpa* and *Hakea lorea* subsp. *lorea* (*A. aptaneura*) tall shrubland over *Ptilotus obovatus* low open shrubland over *Triodia wiseana* open hummock grassland with *Digitaria ctenantha* and *Enneapogon caerulescens* open annual grassland with *Duperreya commixta* scattered vines.

Veg Condition: Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	15	1
<i>Digitaria ctenantha</i>	10	0.5
<i>Acacia tetragonophylla</i>	7	4
<i>Enneapogon caerulescens</i>	5	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.5
<i>Acacia aptaneura</i>	1	3.5
<i>Acacia pruinocarpa</i>	1	4
<i>Hakea lorea</i> subsp. <i>lorea</i>	1	4.5
<i>Duperreya commixta</i>	0.5	1.8
<i>Eucalyptus victrix</i>	0.5	8
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.6
<i>Abutilon lepidum</i>	0.1	0.4
<i>Abutilon macrum</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Capparis lasiantha</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Codonocarpus cotinifolius</i>	0.1	0.9
<i>Cucumis variabilis</i>	0.1	0.5
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Enneapogon lindleyanus</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.5
<i>Eremophila longifolia</i>	0.1	4
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eucalyptus xerothermica</i>	0.1	7
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
* <i>Flaveria trinervia</i>	0.1	0.7
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.8
<i>Maireana</i> sp.	0.1	0.4
<i>Melhania oblongifolia</i>	0.1	0.3
<i>Paspalidium basicladum</i>	0.1	0.4
<i>Pterocaulon sphacelatum</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Salsola australis</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.8
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1
<i>Sida fibulifera</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Triraphis mollis</i>	0.1	0.4

* denotes weed species

Site: RQ105**Type:** Quadrat**Date:** 20/09/2019, 13/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 745761 **Northing:** 7432704**Habitat:** Hillcrest**Soil:** reddish brown sandy clay**Rock type:** Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* scattered tall shrubs over *Corchorus lasiocarpus* subsp. *parvus* and *Gompholobium oreophilum* scattered low shrubs over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland with *Eriachne lanata*, *Eriachne mucronata* and *Cymbopogon ambiguus* very open tussock grassland with *Amphipogon sericeus* scattered annual grasses.

Veg Condition: Excellent**Fire Age:** 0-2 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.4
<i>Eriachne lanata</i>	3	0.5
<i>Eriachne mucronata</i>	3	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	4.5
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	1	0.4
<i>Gompholobium oreophilum</i>	1	0.5
<i>Acacia pruinocarpa</i>	0.5	3.5
<i>Amphipogon sericeus</i>	0.5	0.3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	6
<i>Cymbopogon ambiguus</i>	0.5	0.7
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Triodia pungens</i>	0.5	0.6
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5
<i>Acacia maitlandii</i>	0.1	1.7
<i>Acacia pachyacra</i>	0.1	0.8

Name	Cover (%)	Height (m)
<i>Acacia sibirica</i>	0.1	2.6
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Acacia trudgeniana</i>	0.1	2.2
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.6
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.3
<i>Chrysopogon fallax</i>	0.1	1.5
<i>Codonocarpus cotinifolius</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.5
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.9
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus gamophylla</i>	0.1	2.2
<i>Fimbristylis</i> sp.	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	1.9
<i>Hakea chordophylla</i>	0.1	2.5
<i>Hibiscus coatesii</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.2
<i>Maireana villosa</i>	0.1	0.1
<i>Mirbelia viminalis</i>	0.1	0.4
<i>Panicum laevinode</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Petalostylis labicheoides</i>	0.1	1
<i>Psyrax latifolia</i>	0.1	1.2
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	0.8
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.2
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna glaucifolia</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.7
<i>Senna notabilis</i>	0.1	0.3
<i>Senna venusta</i>	0.1	0.3
<i>Seringia exastia</i>	0.1	0.5
<i>Sida arenicola</i>	0.1	1.1
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Tephrosia oxalidea</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.5
<i>Trianthema glossostigmum</i>	0.1	0.1

Site: RQ107

Type: Quadrat

Date: 21/09/2019, 13/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 748739 Northing: 7431992

Habitat: Hillslope

Soil: reddish brown sandy clay

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* scattered low trees over *Acacia ayersiana*, *A. aptaneura* and *A. catenulata* subsp. *occidentalis* tall shrubland over *Eremophila forrestii* subsp. *forrestii*, *E. exilifolia* and *A. tetragonophylla* open shrubland over *Triodia pungens* open hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	18	0.5
<i>Acacia ayersiana</i>	6	4
<i>Acacia aptaneura</i>	3	3.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	3.2
<i>Acacia pruinocarpa</i>	1	6
<i>Corymbia hamersleyana</i>	1	6
<i>Eremophila exilifolia</i>	1	1.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.4
<i>Acacia rhodophloia</i>	0.5	2.5
<i>Acacia tetragonophylla</i>	0.5	1.7
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)	0.1	1
<i>Acacia sibirica</i>	0.1	1.6
<i>Anthobolus leptomerioides</i>	0.1	1.8
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	1.2
* <i>Bidens bipinnata</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Calandrinia reticulata</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cucumis variabilis</i>	0.1	0.2
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Digitaria ammophila</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila galeata</i>	0.1	1.6
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis microcarya</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	3.5
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	1
<i>Hibiscus sturtii</i> var. <i>truncatus</i>	0.1	0.2
<i>Leichhardtia australis</i>	0.1	0.3
<i>Maireana triptera</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.6
<i>Psyrax suaveolens</i>	0.1	1.6
<i>Pterocaulon sphaeranthoides</i>	0.1	0.3
<i>Ptilotus astrolasius</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.9
<i>Ptilotus clementii</i>	0.1	0.6
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	1.5
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.8
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.4
<i>Senna glaucifolia</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.4
<i>Senna notabilis</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	0.1	0.2
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Sida</i> sp. <i>Golden calyces glabrous</i> (H.N. Foote 32)	0.1	0.2
<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.4
<i>Triodia vanleeuwenii</i>	0.1	0.3

* denotes weed species

Site: RQ109

Type: Quadrat

Date: 21/09/2019, 08/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 743275 **Northing:** 7432196

Habitat: Clay plain

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Aristida contorta* and *Enneapogon polyphyllus* open annual grassland with *Cyperus bulbosus* and *Fimbristylis dichotoma* scattered sedges

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	22	0.1
<i>Acacia aptaneura</i>	0.5	3.5
<i>Cyperus bulbosus</i>	0.5	0.2
<i>Enneapogon polyphyllus</i>	0.5	0.5
<i>Fimbristylis dichotoma</i>	0.5	0.1
<i>Abutilon cryptopetalum</i>	0.1	0.1
<i>Boerhavia repleta</i>	0.1	0.1
<i>Calandrinia ?pumila</i>	0.1	0.05
* <i>Chloris virgata</i>	0.1	0.4
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Convolvulus clementii</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.05
<i>Gomphrena kanisii</i>	0.1	0.3
<i>Goodenia prostrata</i>	0.1	0.05
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	0.4
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Indigofera linifolia</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Paspalidium rarum</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.05
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus roei</i>	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.4
<i>Sclerolaena tetragona</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6
<i>Senna glaucifolia</i>	0.1	0.9
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida platycalyx</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Stenopetalum nutans</i>	0.1	0.1
<i>Swainsona decurrens</i>	0.1	0.05

* denotes weed species

? denotes unconfirmed ID

Site: RQ110

Type: Quadrat

Date: 19/09/2019, 08/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 743730 **Northing:** 7435136

Habitat: Clay plain

Soil: dark reddish brown crabhole/self-mulching, sandy clay

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus victrix* low open woodland over *Acacia aptaneura* tall open shrubland over *Aristida latifolia* open tussock grassland with *Iseilema vaginiflorum*, *Enneapogon polyphyllus* and **Setaria verticillata* annual grassland with *Euphorbia australis* var. *glabra* P3 and **Bidens bipinnata* very open herbland.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Iseilema vaginiflorum</i>	35	0.5
<i>Aristida latifolia</i>	20	1
<i>Enneapogon polyphyllus</i>	15	0.5
<i>Acacia aptaneura</i>	7	6
<i>Eucalyptus victrix</i>	2	9
<i>*Bidens bipinnata</i>	1	0.5
<i>Euphorbia australis</i> var. <i>glabra</i> P3	1	0.1
<i>*Setaria verticillata</i>	0.5	0.3
<i>Aristida contorta</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.6
<i>Astrebla elymoides</i>	0.1	0.8
<i>Austrobryonia pilbarensis</i>	0.1	0.1
<i>Boerhavia burbridgeana</i>	0.1	0.1
<i>*Chloris virgata</i>	0.1	1
<i>Chrysopogon fallax</i>	0.1	1
<i>Convolvulus clementii</i>	0.1	0.3
<i>Cucumis melo</i>	0.1	0.1
<i>Cynanchum floribundum</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Cynodon convergens</i>	0.1	0.3
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.5
<i>Enneapogon caerulescens</i>	0.1	0.4
<i>Enneapogon robustissimus</i>	0.1	0.5
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Indigofera linifolia</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	0.9
<i>Rhynchosia minima</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.2
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3

* denotes weed species

Site: RQ111

Type: Quadrat

Date: 21/09/2019, 08/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 742386 Northing: 7432171

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Acacia catenulata* subsp. *occidentalis* (*A. pruinocarpa*) tall open shrubland over *Themeda triandra* scattered tussock grasses with *Enneapogon polyphyllus*, *Digitaria ctenantha* and *Setaria diels*

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	7
<i>Enneapogon polyphyllus</i>	6	0.4
<i>Digitaria ctenantha</i>	3	0.3
* <i>Bidens bipinnata</i>	2	0.5
<i>Acacia pruinocarpa</i>	1	3.5
<i>Perotis rara</i>	1	0.1
<i>Setaria dielsii</i>	1	0.35
<i>Aristida contorta</i>	0.5	0.3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	5
<i>Themeda triandra</i>	0.5	0.9
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia aptaneura</i>	0.1	3.2
<i>Alloteropsis cimicina</i>	0.1	0.5
<i>Aristida ingrata</i>	0.1	0.5
<i>Arivela viscosa</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.25
<i>Brunonia australis</i>	0.1	0.05
<i>Cheilanthes sieberi</i>	0.1	0.3

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Name	Cover (%)	Height (m)
* <i>Chloris virgata</i>	0.1	0.5
<i>Chrysopogon fallax</i>	0.1	1.3
<i>Cucumis melo</i>	0.1	0.3
<i>Dactyloctenium radulans</i>	0.1	0.4
<i>Digitaria ammophila</i>	0.1	0.4
<i>Eragrostis</i> sp.	0.1	0.1
<i>Eremophila latrobei</i>	0.1	1.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	2.1
<i>Euphorbia biconvexa</i>	0.1	0.4
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.05
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.4
<i>Fimbristylis dichotoma</i>	0.1	0.15
<i>Gomphrena lanata</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	2.5
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Ipomoea lonchophylla</i>	0.1	0.2
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Isotropis iophyta</i>	0.1	0.6
<i>Maireana villosa</i>	0.1	0.05
<i>Paspalidium clementii</i>	0.1	0.3
<i>Paspalidium rarum</i>	0.1	0.25
<i>Psyrax latifolia</i>	0.1	1.5
<i>Psyrax suaveolens</i>	0.1	2.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Ptilotus roei</i>	0.1	0.1
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Senna notabilis</i>	0.1	0.3
<i>Sida ectogama</i>	0.1	2.2
<i>Sida platycalyx</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.25
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Stenopetalum nutans</i>	0.1	0.4
<i>Swainsona canescens</i>	0.1	0.3

* denotes weed species

Site: RQ114

Type: Quadrat

Date: 19/09/2019, 09/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 744225 **Northing:** 7432414

Habitat: Clay plain

Soil: reddish brown hardsetting, light clay

Rock type: Ironstone

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Aristida contorta*, *Eragrostis cumingii* and *Iseilema membranaceum* annual grassland with *Fimbristylis dichotoma* open sedgeland with *Gomphrena lanata* and **Bidens bipinnata* very open herbland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	35	0.2
<i>Fimbristylis dichotoma</i>	8	0.1
<i>Eragrostis cumingii</i>	5	0.2
<i>Gomphrena lanata</i>	3	0.1
<i>Acacia aptaneura</i>	1	3.5
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	1	0.3
<i>Iseilema membranaceum</i>	1	0.6
* <i>Bidens bipinnata</i>	0.5	0.1
<i>Eriachne flaccida</i>	0.5	0.3
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Alternanthera angustifolia</i>	0.1	0.1
<i>Arivela viscosa</i>	0.1	0.5
<i>Calandrinia ?pumila</i>	0.1	0.05
* <i>Cenchrus ciliaris</i>	0.1	0.35
<i>Cheilanthes sieberi</i>	0.1	0.2
* <i>Chloris virgata</i>	0.1	0.9
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Cucumis variabilis</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis leptocarpa</i>	0.1	0.2
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.03
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gomphrena kanisii</i>	0.1	0.2
<i>Goodenia nuda</i> P4	0.1	0.14
<i>Goodenia prostrata</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	3.5
<i>Heliotropium cunninghamii</i>	0.1	0.06
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.01
<i>Ptilotus gaudichaudii</i>	0.1	0.2
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Roebuckiella similis</i>	0.1	0.3
<i>Senna notabilis</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.03
<i>Sida platycalyx</i>	0.1	0.1

* denotes weed species

? denotes unconfirmed ID

Site: RQ117

Type: Quadrat

Date: 22/09/2019, 10/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 721383 Northing: 7436040

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Hakea lorea* subsp. *lorea* and *Acacia aptaneura* tall open shrubland over *Themeda triandra* tussock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	32	1.3
<i>Acacia aptaneura</i>	1	2.8
<i>Hakea lorea</i> subsp. <i>lorea</i>	1	5.5
<i>Chrysopogon fallax</i>	0.5	1.2
<i>Eucalyptus xerothermica</i>	0.5	10
<i>Alternanthera nana</i>	0.1	0.1
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida inaequiglumis</i>	0.1	0.4
<i>Aristida latifolia</i>	0.1	0.5
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Blumea tenella</i>	0.1	0.1
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	1.6
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.3
<i>Eriachne flaccida</i>	0.1	0.3
<i>Euphorbia drummondii</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis depauperata</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Indigofera linifolia</i>	0.1	0.2
<i>Lotus cruentus</i>	0.1	0.1
<i>Marsilea hirsuta</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.3
<i>Rutidosia helichrysoides</i> subsp. <i>helichrysoides</i>	0.1	0.1
<i>Salsola australis</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ118

Type: Quadrat

Date: 20/09/2019, 21/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 733846 **Northing:** 7432324

Habitat: Stony plain

Soil: red brown hardsetting, sandy loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* and *A. pruinocarpa* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Triodia pungens* open hummock grassland over *Themeda triandra* scattered tussock grasses.

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	28	0.5
<i>Acacia aptaneura</i>	4	4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.9
<i>Acacia pruinocarpa</i>	1	3.8
<i>Themeda triandra</i>	1	0.6
<i>Abutilon lepidum</i>	0.1	0.25
<i>Abutilon macrum</i>	0.1	0.3
<i>Abutilon otocarpum</i>	0.1	0.5
<i>Acacia aneura</i>	0.1	1.9
<i>Acacia tetragonophylla</i>	0.1	2.1
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida ingrata</i>	0.1	0.6
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Boerhavia repleta</i>	0.1	0.1
<i>Cheilanthes sieberi</i>	0.1	0.15
<i>Chrysopogon fallax</i>	0.1	0.7
<i>Commelina ensifolia</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	2
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.5
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Enneapogon robustissimus</i>	0.1	0.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.6
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.7
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.8
<i>Eremophila longifolia</i>	0.1	1.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.05
<i>Euphorbia biconvexa</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.4
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.7
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.2
<i>Indigofera georgei</i>	0.1	0.4
<i>Iseilema dolichotrichum</i>	0.1	0.3
<i>Leichhardtia australis</i>	0.1	0.7
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.3
* <i>Malvastrum americanum</i>	0.1	0.02
<i>Panicum effusum</i>	0.1	0.2
<i>Paspalidium rarum</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Ptilotus roei</i>	0.1	0.05
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Salsola australis</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>x sturtii</i>	0.1	0.8
<i>Senna notabilis</i>	0.1	0.4
<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>	0.1	0.9
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida platycalyx</i>	0.1	0.03
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.35

* denotes weed species

Site: RQ119

Type: Quadrat

Date: 23/09/2019, 04/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 721728 Northing: 7436415

Habitat: Residual rise

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Acacia pruinocarpa* and *A. aptaneura* tall open shrubland over *Triodia pungens* (*T. wiseana*) hummock grassland

Veg Condition: Excellent**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	55	0.8
<i>Acacia pruinocarpa</i>	3	3.7
<i>Acacia aptaneura</i>	2	2.3
<i>Triodia wiseana</i>	1	0.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	4.2
<i>Acacia dictyophleba</i>	0.1	0.6
<i>Acacia sibirica</i>	0.1	2.5
<i>Acacia tetragonophylla</i>	0.1	2.8
<i>Amphipogon sericeus</i>	0.1	0.4
<i>Anthobolus leptomerioides</i>	0.1	1.6
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Aristida obscura</i>	0.1	0.3
<i>Cymbopogon ambiguus</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	2.8
<i>Enneapogon caeruleus</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eucalyptus gamophylla</i>	0.1	4

Name	Cover (%)	Height (m)
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Goodenia microptera</i>	0.1	0.3
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	4.2
<i>Hibiscus coatesii</i>	0.1	0.1
<i>Hibiscus</i> sp.	0.1	0.1
<i>Maireana georgei</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Peripleura virgata</i>	0.1	0.3
<i>Phyllanthus maderaspatensis</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.1
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Rhynchosia minima</i>	0.1	0.1
<i>Santalum lanceolatum</i>	0.1	1.5
<i>Scaevola parvifolia</i>	0.1	0.1
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Seringia exastia</i>	0.1	0.6
<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Streptoglossa decurrens</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.3
<i>Triodia vanleeuwenii</i>	0.1	0.1

Site: RQ120

Type: Quadrat

Date: 21/09/2019, 22/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 735021 **Northing:** 7432642

Habitat: Stony clay plain

Soil: dark reddish brown hardsetting, sandy loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Ptilotus obovatus* low open shrubland over *Themeda triandra* and *Chrysopogon fallax* very open tussock grassland over *Enneapogon polyphyllus*, *Aristida obscura* and *Digitaria ctenantha* open annual grassland with **Bidens bipinnata* scattered herbs

Veg Condition: Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	10	7
<i>Enneapogon polyphyllus</i>	10	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	9	6
<i>Themeda triandra</i>	6	1.1
<i>Acacia pruinocarpa</i>	4	9.5
<i>Aristida obscura</i>	2	0.4
<i>Digitaria ctenantha</i>	2	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.6
<i>*Bidens bipinnata</i>	1	0.3
<i>Chrysopogon fallax</i>	1	0.7
<i>Hibiscus burtonii</i>	0.2	0.4
<i>Abutilon cryptopetalum</i>	0.1	1.1
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Aristida ingrata</i>	0.1	0.5
<i>Arivela viscosa</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Boerhavia schomburgkiana</i>	0.1	0.1
* <i>Cenchrus ciliaris</i>	0.1	0.6
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Commelina ensifolia</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0
<i>Cucumis melo</i>	0.1	0.05
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	1.5
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.6
<i>Eragrostis</i> sp.	0.1	0.1
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.2
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.05
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.3
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	1.6
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.2
<i>Iseilema dolichotrichum</i>	0.1	0.1
<i>Isotropis iophyta</i>	0.1	0.8
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.3
<i>Maireana villosa</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus roei</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.1
<i>Sida ectogama</i>	0.1	1.5
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.1
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.05

* denotes weed species

Site: RQ124

Type: Quadrat

Date: 21/09/2019, 14/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 736754 **Northing:** 7431767

Habitat: Riseslope

Soil: dark reddish brown sandy loam

Rock type: BIF, Ironstone

Vegetation: *Eucalyptus gamophylla* low open mallee woodland over *Androcalva loxophylla* low open shrubland over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland with *Paraneurachne muelleri* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	26	0.4
<i>Eucalyptus gamophylla</i>	3	4.5
<i>Androcalva loxophylla</i>	2.5	0.4
<i>Paraneurachne muelleri</i>	0.5	0.4
<i>Triodia pungens</i>	0.5	0.6
<i>Acacia adsurgens</i>	0.1	2.3
<i>Acacia aptaneura</i>	0.1	5
<i>Acacia dictyophleba</i>	0.1	2.2
<i>Acacia tenuissima</i>	0.1	1.7
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	2.8
<i>Cymbopogon ambiguus</i>	0.1	0.8
<i>Duperreya commixta</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis xerophila</i>	0.1	0.2
<i>Eriachne mucronata</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Eucalyptus xerothermica</i>	0.1	3.5
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.4
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	3.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	2
<i>Indigofera monophylla</i>	0.1	0.4
<i>Petalostylis labicheoides</i>	0.1	1.6
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.2
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.3
<i>Seringia exastia</i>	0.1	0.5
<i>Solanum centrale</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.6

Site: RQ125

Type: Quadrat

Date: 23/09/2019, 15/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 728630 Northing: 7434405

Habitat: Stony clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone, Quartz

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Eremophila caespitosa* low open shrubland over *Chrysopogon fallax* scattered tussock grasses with *Aristida contorta* very open annual grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	4	0.3
<i>Eremophila caespitosa</i>	3	0.3
<i>Acacia aptaneura</i>	1	4
<i>Chrysopogon fallax</i>	1	0.8
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.3
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.5	0.4
<i>Acacia tetragonophylla</i>	0.1	0.6
<i>Arivela viscosa</i>	0.1	0.1
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.2
<i>Eriachne flaccida</i>	0.1	0.1
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Fimbristylis dichotoma</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Gomphrena cunninghamii</i>	0.1	0.2
<i>Goodenia lamprosperma</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	4
<i>Perotis rara</i>	0.1	0.1
<i>Psydrax latifolia</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus roei</i>	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Senna</i> sp.	0.1	0.04
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Triodia melvillei</i>	0.1	0.5

* denotes weed species

Site: RQ128

Type: Quadrat

Date: 22/09/2019, 08/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 737524 Northing: 7433325

Habitat: Plain

Soil: reddish brown silty clay loam

Rock type: Calcrete

Vegetation: *Eucalyptus repullulans* low mallee woodland over *Acacia aptaneura* and *Acacia sibirica* scattered tall shrubs over *Triodia wiseana* and *T. angusta* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	40	0.6
<i>Triodia angusta</i>	25	0.7
<i>Eucalyptus repullulans</i>	12	4
<i>Acacia aptaneura</i>	1	5
<i>Acacia sibirica</i>	1	2.1
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.3
<i>Acacia pruinocarpa</i>	0.1	3
<i>Amphipogon sericeus</i>	0.1	0.1
<i>Anthobolus leptomerioides</i>	0.1	0.8
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.8
<i>Arivela viscosa</i>	0.1	0.8
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Capparis lasiantha</i>	0.1	1.2
<i>Chrysocephalum gilesii</i>	0.1	0.1
<i>Digitaria ctenantha</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	1.2
<i>Enneapogon caeruleus</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1
<i>Eremophila longifolia</i>	0.1	0.2
<i>Eucalyptus xerothermica</i>	0.1	3.5
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.25
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	1
<i>Goodenia vilmoriniae</i>	0.1	0.4
<i>Lepidium</i> sp.	0.1	0.1
<i>Melhania oblongifolia</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Petalostylis labicheoides</i>	0.1	2.4
<i>Pterocaulon sphacelatum</i>	0.1	0.1
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Salsola australis</i>	0.1	0.7
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.9

* denotes weed species

Site: RQ129

Type: Quadrat

Date: 23/09/2019, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 724614 **Northing:** 7435323

Habitat: Minor drainage

Soil: reddish brown crabhole/self-mulching, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* scattered shrubs over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Eriachne flaccida*, *Aristida latifolia* and *Themeda triandra* tussock grassland with *Panicum laevinode*, *Dichanthium sericeum* subsp. *humilius* and *Iseilema vaginiflorum* very open annual grassland with *Marsilea hirsuta* scattered herbs.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eriachne flaccida</i>	20	0.4
<i>Aristida latifolia</i>	6	0.9
<i>Themeda triandra</i>	4	1.2
<i>Chrysopogon fallax</i>	1	1.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	1	0.5
<i>Iseilema vaginiflorum</i>	1	0.4
<i>Panicum laevinode</i>	1	0.8
<i>Acacia aptaneura</i>	0.5	1.9
<i>Astrebla elymoides</i>	0.5	0.6
<i>Cynodon convergens</i>	0.5	0.3
<i>Eragrostis setifolia</i>	0.5	0.6
<i>Iseilema membranaceum</i>	0.5	0.2
<i>Marsilea hirsuta</i>	0.5	0.05
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.8
<i>Spermacoce brachystema</i>	0.5	0.2
<i>Abutilon malvifolium</i>	0.1	0.2
<i>Abutilon otocarpum</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Acacia tetragonophylla</i>	0.1	0.9
<i>Alternanthera angustifolia</i>	0.1	0.02
<i>Anthobolus leptomerioides</i>	0.1	1.2
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.5
<i>Bergia pedicellaris</i>	0.1	0.02
<i>Blumea tenella</i>	0.1	0.05
<i>Boerhavia paludosa</i>	0.1	0.5
<i>Bulbostylis barbata</i>	0.1	0.05
* <i>Chloris virgata</i>	0.1	0.5
<i>Convolvulus clementii</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	1
<i>Cullen graveolens</i>	0.1	0.05
<i>Cyperus iria</i>	0.1	0.1
<i>Elytrophorus spicatus</i>	0.1	0.05
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis tenellula</i>	0.1	0.1
<i>Eremophila longifolia</i>	0.1	3.5
<i>Euphorbia biconvexa/coghlanii/trigonosperma</i> (sterile indet.)	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Goodenia lamprosperma</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.05
<i>Indigofera linifolia</i>	0.1	0.3
<i>Lotus cruentus</i>	0.1	0.1
<i>Maireana villosa</i>	0.1	0.4
<i>Mimulus gracilis</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.2
<i>Operculina aequisejala</i>	0.1	0.1
<i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)	0.1	0.02
<i>Perotis rara</i>	0.1	0.2
<i>Pimelea holroydii</i>	0.1	0.25
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.05
<i>Pterocaulon sphacelatum</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Salsola australis</i>	0.1	0.5
<i>Sclerolaena cornishiana</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.4
<i>Sida fibulifera</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Streptoglossa adscendens</i>	0.1	0.05
<i>Streptoglossa bubakii</i>	0.1	0.4
<i>Teucrium teucriiflorum</i>	0.1	0.8
<i>Trigonella suavissima</i>	0.1	0.05

Name	Cover (%)	Height (m)
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ130

Type: Quadrat

Date: 23/09/2019, 14/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 728200 Northing: 7435871

Habitat: Stony plain

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. pruinocarpa* and *A. aptaneura* tall shrubland over *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3 and *Sida ectogama* open shrubland over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Aristida contorta* scattered annual grasses with **Bidens bipinnata* scattered herbs with *Cheilanthes sieberi* scattered ferns.

Veg Condition: Very Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	7	6
<i>Acacia pruinocarpa</i>	4	6
<i>Acacia aptaneura</i>	2	4
<i>Acacia incurvaneura</i>	2	4.5
<i>Anthobolus leptomerioides</i>	2	2.3
* <i>Bidens bipinnata</i>	1	0.2
<i>Grevillea berryana</i>	1	6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	1	1.5
<i>Sida ectogama</i>	1	1.5
<i>Aristida contorta</i>	0.5	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.5	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.5
? <i>Astrebla</i> sp.	0.1	0.5
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Acacia tetragonophylla</i>	0.1	2.1
<i>Afrohybanthus aurantiacus</i>	0.1	0.1
<i>Aristida latifolia</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Aristida obscura</i>	0.1	0.3
* <i>Cenchrus ciliaris</i>	0.1	0.15
<i>Chrysopogon fallax</i>	0.1	1
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Enneapogon lindleyanus</i>	0.1	0.8
<i>Enneapogon polyphyllus</i>	0.1	0.36
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.7
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.05
<i>Psydrax suaveolens</i>	0.1	2.2
<i>Ptilotus roei</i>	0.1	0.02
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.4
<i>Sida fibulifera</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Spermacoce brachystema</i>	0.1	0.15

* denotes weed species

? denotes unconfirmed ID

Site: RQ131

Type: Quadrat

Date: 07/10/2019, 24/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 731065 Northing: 7437732

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Eriachne benthamii* (*Chrysopogon fallax*) open tussock grassland over *Eragrostis pergracilis* and *Perotis rara* scattered annual grasses with *Goodenia nuda* and *Peplidium* sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158) scattered herbs.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eriachne benthamii</i>	28	0.9
<i>Acacia aptaneura</i>	5	4.5
<i>Chrysopogon fallax</i>	0.5	1.4
<i>Eragrostis pergracilis</i>	0.5	0.2
<i>Goodenia nuda</i> P4	0.5	0.4
<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)	0.5	0.01
<i>Perotis rara</i>	0.5	0.1
<i>Aristida inaequiglumis</i>	0.2	1.3
<i>Eriachne flaccida</i>	0.2	0.5
<i>Alternanthera angustifolia</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.7
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Blumea tenella</i>	0.1	0.2
<i>Bulbostylis turbinata</i>	0.1	0.1
<i>Calandrinia pumila</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Chrysocephalum gilesii</i>	0.1	0.3
<i>Convolvulus clementii</i>	0.1	0
<i>Cucumis melo</i>	0.1	0
<i>Cyperus bulbosus</i>	0.1	0.1
<i>Cyperus iria</i>	0.1	0.1
<i>Cyperus squarrosus</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	0.1	0.6
<i>Digitaria ammophila</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0
<i>Dysphania glomulifera</i> subsp. <i>eremaea</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena lanata</i>	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3
<i>Iseilema vaginiflorum</i>	0.1	0.5
<i>Nicotiana ?simulans</i>	0.1	0.2
<i>Nicotiana occidentalis</i>	0.1	0.5
<i>Paspalidium rarum</i>	0.1	0.2
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.2
<i>Ptilotus xerophilus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.5
<i>Rhodanthe charsleyae</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Stenopetalum nutans</i>	0.1	0.3
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	1

* denotes weed species

? denotes unconfirmed ID

Site: RQ132

Type: Quadrat

Date: 08/10/2019, 08/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 741664 Northing: 7433332

Habitat: Pediment

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *E. gamophylla* low open mallee woodland over *Acacia sibirica* and *A. bivenosa* scattered shrubs over *Triodia vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.3
<i>Eucalyptus gamophylla</i>	2	3.5
<i>Acacia bivenosa</i>	0.5	1.6
<i>Acacia sibirica</i>	0.5	1.9
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4.5
<i>Abutilon lepidum</i>	0.1	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia hamersleyensis</i>	0.1	1.2
<i>Acacia tenuissima</i>	0.1	1.8
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.3
<i>Chrysocephalum gilesii</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	2.8
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.1
<i>Digitaria ammophila</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.2
<i>Eriachne mucronata</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia microptera</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.6
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	2.4
<i>Hibiscus coatesii</i>	0.1	0.7
<i>Indigofera monophylla</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
Poaceae sp.	0.1	0.4
<i>Psydrax suaveolens</i>	0.1	2.1
<i>Ptilotus calostachyus</i>	0.1	0.7
<i>Ptilotus exaltatus</i>	0.1	0.8
<i>Ptilotus rotundifolius</i>	0.1	0.7
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.2
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	2.3
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Stackhousia</i> sp. <i>swollen gynophore</i> (W.R. Barker 2041)	0.1	0.2
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	1.1
<i>Triodia pungens</i>	0.1	0.8

Site: RQ133

Type: Quadrat

Date: 08/10/2019, 08/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 737220 Northing: 7433889

Habitat: Mound

Soil: orange brown loam sand

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* low open mallee woodland over *Triodia wiseana* and *Triodia angusta* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	31	0.5
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	6	5
<i>Triodia angusta</i>	4	0.5
<i>Abutilon cunninghamii</i>	0.1	0.1
<i>Acacia aptaneura</i>	0.1	0.4
<i>Acacia bivenosa</i>	0.1	1.3
<i>Acacia pruinocarpa</i>	0.1	1
<i>Acacia sibirica</i>	0.1	1.9
<i>Duperreya commixta</i>	0.1	0.6
<i>Enneapogon caeruleus</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.1
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Salsola australis</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.7
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.7

Site: RQ134

Type: Quadrat

Date: 08/10/2019, 08/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 741475 Northing: 7433665

Habitat: Hillcrest

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Triodia vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	6.5
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	1.2
<i>Acacia incurvaneura</i>	0.1	1.8
<i>Acacia pruinocarpa</i>	0.1	0.2
<i>Acacia tenuissima</i>	0.1	1.6
<i>Amphipogon sericeus</i>	0.1	0.1
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida latifolia</i>	0.1	0.6
<i>Cymbopogon ambiguus</i>	0.1	0.3
<i>Dampiera candidans</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.7
<i>Eriachne lanata</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	1.9

Name	Cover (%)	Height (m)
<i>Paraneurachne muelleri</i>	0.1	0.6
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	0.7
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.9
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.5
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.6
<i>Triodia pungens</i>	0.1	0.3

Site: RQ135**Type:** Quadrat**Date:** 08/10/2019, 08/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 736486 **Northing:** 7433736**Habitat:** Mound**Soil:** orange brown loam sand**Rock type:** Calcrete

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* low open mallee woodland over *Acacia pruinocarpa* and *A. aptaneura* tall open shrubland over *Ptilotus obovatus* var. *obovatus* and *Rhagodia eremaea* low open shrubland over *Triodia angusta* and *T. wiseana* very open hummock grassland with *Enneapogon polyphyllus*, *Enneapogon caerulescens* and *Enneapogon lindleyanus* very open annual grassland.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	4	5.5
<i>Triodia angusta</i>	4	0.8
<i>Acacia pruinocarpa</i>	2	4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.5
<i>Triodia wiseana</i>	2	0.4
<i>Enneapogon polyphyllus</i>	1.5	0.2
<i>Enneapogon caerulescens</i>	1	0.3
<i>Enneapogon lindleyanus</i>	1	0.3
<i>Acacia aptaneura</i>	0.5	5
<i>Digitaria ctenantha</i>	0.5	0.3
<i>Rhagodia eremaea</i>	0.5	0.6
? <i>Paraneurachne muelleri</i>	0.1	0.4
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.2
<i>Abutilon macrum</i>	0.1	0.2
<i>Acacia sibirica</i>	0.1	2.3
<i>Acacia tetragonophylla</i>	0.1	1.3
<i>Arivela viscosa</i>	0.1	0.4

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Name	Cover (%)	Height (m)
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Capparis lasiantha</i>	0.1	2.2
* <i>Cenchrus ciliaris</i>	0.1	0.6
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Duperreya commixta</i>	0.1	1.5
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.2
<i>Eremophila latrobei</i>	0.1	2.2
<i>Eremophila longifolia</i>	0.1	1.8
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	0.5
<i>Melhania oblongifolia</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Salsola australis</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	1.4
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.8
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Setaria dielsii</i>	0.1	0.3
* <i>Setaria verticillata</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	0.5
<i>Tripogonella loliiformis</i>	0.1	0.05

* denotes weed species

? denotes unconfirmed ID

Site: RQ136

Type: Quadrat

Date: 08/10/2019, 15/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 738925 **Northing:** 7432610

Habitat: Pediment

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Ptilotus rotundifolius* scattered low shrubs over *Triodia vanleeuwenii* (*T. pungens*) hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	7
<i>Triodia pungens</i>	1	0.5
<i>Ptilotus rotundifolius</i>	0.5	0.8
<i>Acacia bivenosa</i>	0.1	1.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	0.4
<i>Acacia pruinocarpa</i>	0.1	2.3
<i>Acacia sibirica</i>	0.1	1.4
<i>Acacia tenuissima</i>	0.1	1.7
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Corymbia hamersleyana</i>	0.1	3.5
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	0.9
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila longifolia</i>	0.1	2.4
<i>Eriachne mucronata</i>	0.1	0.4
<i>Goodenia stobbsiana</i>	0.1	0.6
<i>Goodenia triodiophila</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Indigofera monophylla</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Petalostylis labicheoides</i>	0.1	1.9
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.7
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.4
<i>Seringia exastia</i>	0.1	0.6
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.9
<i>Solanum centrale</i>	0.1	0.4

Site: RQ137

Type: Quadrat

Date: 08/10/2019, 21/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 734188 Northing: 7433828

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia pteraneura* scattered tall shrubs over *Eremophila lanceolata* and *Ptilotus schwartzii* var. *schwartzii* scattered low shrubs over *Aristida contorta* open annual grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	15	0.3
<i>Eremophila lanceolata</i>	0.5	0.3
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.5	0.3
<i>Acacia pteraneura</i>	0.2	3.2
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Areocleome oxalidea</i>	0.1	0.1
<i>Boerhavia repleta</i>	0.1	0.1
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Digitaria ammophila</i>	0.1	0.3
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.5
<i>Eremophila latrobei</i>	0.1	2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.8
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena kanisii</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Goodenia prostrata</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Maireana villosa</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca filifolia</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.1
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Roebuckiella similis</i>	0.1	0.1
<i>Salsola australis</i>	0.1	0.1
<i>Sclerolaena tetragona</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.3
<i>Sida platycalyx</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.5

Site: RQ139

Type: Quadrat

Date: 08/10/2019, 21/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 734029 **Northing:** 7432184

Habitat: Plain

Soil: reddish brown hardsetting, sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia pruinocarpa* scattered tall shrubs over *Androcalva luteiflora* open shrubland over *Triodia pungens* hummock grassland.

Veg Condition: Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	35	0.5
<i>Androcalva luteiflora</i>	2	1.9
<i>Acacia pruinocarpa</i>	1	2.8
<i>Acacia aptaneura</i>	0.5	2.5
<i>Ptilotus exaltatus</i>	0.4	0.3
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia pachyacra</i>	0.1	3
<i>Adriana tomentosa</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.5
<i>Aristida ingrata</i>	0.1	0.9
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.2
* <i>Cenchrus ciliaris</i>	0.1	0.7
<i>Chrysocephalum gilesii</i>	0.1	0.3
<i>Commelina ensifolia</i>	0.1	0.4
<i>Corchorus sidoides</i>	0.1	0.4
<i>Cucumis variabilis</i>	0.1	0.8
<i>Cymbopogon ambiguus</i>	0.1	0.6

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Name	Cover (%)	Height (m)
<i>Dactyloctenium radulans</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria brownii</i>	0.1	0.7
<i>Duperreya commixta</i>	0.1	1
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Enneapogon robustissimus</i>	0.1	0.7
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.9
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	2.5
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.15
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Heliotropium inexplicitum</i>	0.1	0.05
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Iseilema dolichotrichum</i>	0.1	0.1
<i>Maireana villosa</i>	0.1	0.4
<i>Panicum effusum</i>	0.1	0.5
<i>Paraneurachne muelleri</i>	0.1	0.6
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.3
<i>Psyrax suaveolens</i>	0.1	1.8
<i>Pterocaulon sphaeranthoides</i>	0.1	0.5
<i>Ptilotus astrolasius</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.9
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.4
<i>Rhagodia eremaea</i>	0.1	1.3
<i>Salsola australis</i>	0.1	0.7
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.05
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.7
<i>Senna notabilis</i>	0.1	0.4
<i>Senna pleurocarpa</i> var. <i>angustifolia</i>	0.1	0.8
<i>Sida cardiophylla</i>	0.1	0.4
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.2
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Themeda triandra</i>	0.1	1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.6

* denotes weed species

Site: RQ143

Type: Quadrat

Date: 09/10/2019, 08/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 737958 Northing: 7431699

Habitat: Plain

Soil: red brown clay loam

Rock type: Dolerite

Vegetation: *Acacia aptaneura* and *A. catenulata* subsp. *occidentalis* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Triodia melvillei* very open hummock grassland with *Aristida pruinosa* scattered tussock grasses with *Aristida contorta* scattered annual grasses

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	2.5	0.7
<i>Acacia aptaneura</i>	2	3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	4.5
<i>Aristida contorta</i>	1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.4
<i>Aristida pruinosa</i>	0.5	1.2
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia pruinocarpa</i>	0.1	4
<i>Areocleome oxalidea</i>	0.1	0.05
<i>Arivela viscosa</i>	0.1	0.05
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Brunonia australis</i>	0.1	0.2
<i>Calandrinia ?pumila</i>	0.1	0.05
<i>Cheilanthes sieberi</i>	0.1	0.1
<i>Corymbia candida</i>	0.1	5
<i>Digitaria ammophila</i>	0.1	0.4
<i>Dysphania glomulifera</i> subsp. <i>eremaea</i>	0.1	0.05
<i>Enneapogon polyphyllus</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Eriachne mucronata</i>	0.1	0.5
<i>Euphorbia boophthona</i>	0.1	0.1
<i>Euphorbia drummondii</i>	0.1	0.05
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.15
<i>Gomphrena kanisii</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.05
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.6
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.3
<i>Maireana villosa</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.2
<i>Portulaca filifolia</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.05
<i>Psyrax latifolia</i>	0.1	1.1
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Salsola australis</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida platycalyx</i>	0.1	0.1
<i>Sida</i> sp. tiny glabrous fruit (A.A. Mitchell PRP1152)	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Swainsona canescens</i>	0.1	0.1
<i>Swainsona decurrens</i>	0.1	0.05
<i>Themeda triandra</i>	0.1	0.7
<i>Trianthema glossostigmum</i>	0.1	0.05
<i>Tribulus astrocarpus</i>	0.1	0.05
<i>Vincetoxicum lineare</i>	0.1	0.3

* denotes weed species

? denotes unconfirmed ID

Site: RQ145

Type: Quadrat

Date: 09/10/2019, 20/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 729020 **Northing:** 7432633

Habitat: Plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Eremophila caespitosa* scattered low shrubs over *Aristida contorta* scattered annual grasses over *Fimbristylis dichotoma* open sedgeland with *Euphorbia ferdinandi* var. *ferdinandi* and *Goodenia prostrata* scattered herbs.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Fimbristylis dichotoma</i>	28	0.2
<i>Aristida contorta</i>	1.5	0.3
<i>Eremophila caespitosa</i>	1	0.3
<i>Acacia aptaneura</i>	0.5	3.5
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.5	0.1
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Alternanthera angustifolia</i>	0.1	0.1
<i>Areocleome oxalidea</i>	0.1	0.1
<i>Aristida inaequiglumis</i>	0.1	1
<i>Calandrinia reticulata</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.1
<i>Eragrostis pergracilis</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.6
<i>Eriachne flaccida</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena kanisii</i>	0.1	0.2
<i>Gomphrena lanata</i>	0.1	0.1
<i>Goodenia nuda</i> P4	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	0.2
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Iseilema vaginiflorum</i>	0.1	0.2
<i>Leichhardtia australis</i>	0.1	0
<i>Maireana villosa</i>	0.1	0.5
<i>Panicum decompositum</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Ptilotus roei</i>	0.1	0.1
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Sclerolaena tetragona</i>	0.1	0.1
<i>Senna glaucifolia</i>	0.1	0.8
<i>Senna notabilis</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.6
<i>Tripogonella loliiformis</i>	0.1	0.1

Site: RQ146

Type: Quadrat

Date: 09/10/2019, 07/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 725257 Northing: 7431585

Habitat: Plain

Soil: reddish brown hardsetting, loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall shrubland over *Enneapogon polyphyllus* open annual grassland with **Bidens bipinnata* very open herbland.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	25	8.5
<i>Enneapogon polyphyllus</i>	12	0.4
* <i>Bidens bipinnata</i>	2	0.5
<i>Aristida contorta</i>	0.5	0.3
<i>Digitaria ctenantha</i>	0.5	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.6
* <i>Setaria verticillata</i>	0.5	0.2
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.4
* <i>Cenchrus ciliaris</i>	0.1	0.5
<i>Chrysopogon fallax</i>	0.1	0.6
<i>Euphorbia biconvexa</i>	0.1	0.5
<i>Euphorbia drummondii</i>	0.1	0.05
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Hibiscus</i> sp.	0.1	0.2
<i>Iseilema eremaeum</i>	0.1	0.3
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.05
<i>Psydrax suaveolens</i>	0.1	1.5

Name	Cover (%)	Height (m)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Setaria dielsii</i>	0.1	0.25
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.4

* denotes weed species

Site: RQ147

Type: Quadrat

Date: 09/10/2019, 20/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 730228 Northing: 7433362

Habitat: Plain

Soil: red brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Chrysopogon fallax* and *Eriachne flaccida* very open tussock grassland with *Aristida contorta* open annual grassland

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	12	0.3
<i>Chrysopogon fallax</i>	5	1.3
<i>Eriachne flaccida</i>	4	0.5
<i>Acacia aptaneura</i>	2	5
<i>Perotis rara</i>	0.5	0.1
* <i>Bidens bipinnata</i>	0.2	0.3
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Alternanthera angustifolia</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	1.4
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	1.2
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.8
<i>Blumea tenella</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Boerhavia repleta</i>	0.1	0
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Commelina ensifolia</i>	0.1	0.3
<i>Cucumis melo</i>	0.1	0

Name	Cover (%)	Height (m)
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Digitaria ammophila</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Eremophila caespitosa</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.5
<i>Euphorbia drummondii</i>	0.1	0.2
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena kanisii</i>	0.1	0.2
<i>Gomphrena lanata</i>	0.1	0.1
<i>Goodenia ?nuda</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	0.8
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Iseilema vaginiflorum</i>	0.1	0.2
<i>Maireana villosa</i>	0.1	0.4
<i>Ophioglossum lusitanicum</i>	0.1	0.1
<i>Panicum decompositum</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.3
<i>Paspalidium rarum</i>	0.1	0.2
<i>Phyllanthus erwinii</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca filifolia</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.7
<i>Pterocaulon sphacelatum</i>	0.1	0.7
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Ptilotus roei</i>	0.1	0.1
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.5
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.7
<i>Roebuckiella similis</i>	0.1	0.1
<i>Salsola australis</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Sclerolaena tetragona</i>	0.1	0.2
<i>Sida platycalyx</i>	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.7
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Teucrium teucriiflorum</i>	0.1	0.7
<i>Themeda triandra</i>	0.1	0.6
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.6
<i>Triodia melvillei</i>	0.1	1.4

* denotes weed species

? denotes unconfirmed ID

Site: RQ148a

Type: Quadrat

Date: 19/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 724499 Northing: 7432431

Habitat: Hillslope

Soil: red brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia sibirica* and *A. bivenosa* scattered shrubs over *Triodia vanleeuwenii* (*T. pungens*) hummock grassland.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	32	0.4
<i>Acacia sibirica</i>	1	1.6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Triodia pungens</i>	1	0.7
<i>Acacia bivenosa</i>	0.5	1.3
<i>Amphipogon sericeus</i>	0.2	0.2
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.2	3
<i>Seringia exastia</i>	0.2	0.6
<i>Acacia ayersiana</i>	0.1	1.6
<i>Acacia marramamba</i>	0.1	1.5
<i>Acacia pruinocarpa</i>	0.1	1.4
<i>Acacia tenuissima</i>	0.1	1
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.5
<i>Aristida inaequiglumis</i>	0.1	0.4
<i>Chrysocephalum pterochaetum</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Digitaria ammophila</i>	0.1	0.3
<i>Dodonaea petiolaris</i>	0.1	0.7

Name	Cover (%)	Height (m)
<i>Duperreya commixta</i>	0.1	0.5
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Hakea chordophylla</i>	0.1	3
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus sturtii</i> var. <i>platyclamys</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.1
<i>Pterocaulon sphaeranthoides</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus fusiformis</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.2
<i>Ptilotus rotundifolius</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.2
<i>Senna glaucifolia</i>	0.1	1.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1
<i>Sida arenicola</i>	0.1	0.3
<i>Sida cardiophylla</i>	0.1	0.4
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1
<i>Solanum centrale</i>	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.3
<i>Tephrosia</i> sp.	0.1	0.1
<i>Teucrium teucriiflorum</i>	0.1	0.3

Site: RQ149

Type: Quadrat

Date: 10/10/2019, 27/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 752320 Northing: 7437697

Habitat: Hillslope

Soil: red brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Eucalyptus gamophylla* scattered low mallees over *Acacia rhodophloia* x *sibirica* open shrubland over *Triodia vanleeuwenii* hummock grassland.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.4
<i>Acacia rhodophloia</i>	2	2.4
<i>Acacia rhodophloia</i> x <i>sibirica</i>	2	2.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	4.5
<i>Eucalyptus gamophylla</i>	0.5	4
<i>Acacia ancistrocarpa</i>	0.1	2.2
<i>Acacia aptaneura</i>	0.1	3.5
<i>Acacia pruinocarpa</i>	0.1	5
<i>Acacia sibirica</i>	0.1	1.5
<i>Acacia tetragonophylla</i>	0.1	1.4
<i>Afrohybanthus aurantiacus</i>	0.1	0.5
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Androcalva luteiflora</i>	0.1	1.6
<i>Aristida inaequiglumis</i>	0.1	0.9
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.9
<i>Duperreya commixta</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Eremophila exilifolia</i>	0.1	1.1
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	2.2
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	1.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Exocarpos sparteus</i>	0.1	0.4
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Fimbristylis simulans</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.4
<i>Goodenia stobbsiana</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Hakea chordophylla</i>	0.1	3.5
<i>Hibiscus coatesii</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>platychlams</i>	0.1	0.6
<i>Indigofera monophylla</i>	0.1	0.4
<i>Isotropis parviflora</i> P2	0.1	0.2
<i>Panicum effusum</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus helipteroides</i>	0.1	0.1
<i>Ptilotus rotundifolius</i>	0.1	0.9
<i>Santalum lanceolatum</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.6
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	2.3
<i>Sida arenicola</i>	0.1	0.6
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Solanum centrale</i>	0.1	0.5
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Stackhousia</i> ? <i>intermedia</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	1.1
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.6

? denotes unconfirmed ID

Site: RQ150**Type:** Quadrat**Date:** 10/10/2019, 13/04/2021**Described by:** KMc / RD / EL / HP**MGA zone:** 50K**Easting:** 748675 **Northing:** 7437922**Habitat:** Hillslope**Soil:** reddish brown sandy clay loam**Rock type:** Ironstone**Vegetation:** *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Acacia adoxa* var. *adoxa*, *Seringia exastia* and *A. hilliana* low open shrubland over *Triodia vanleeuwenii* open hummock grassland.**Veg Condition:** Excellent**Fire Age:** 2-5 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.1
<i>Acacia adoxa</i> var. <i>adoxa</i>	1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Seringia exastia</i>	1	0.6
<i>Acacia hilliana</i>	0.5	0.3
<i>Corymbia hamersleyana</i>	0.5	4
<i>Acacia hamersleyensis</i>	0.1	0.6
<i>Acacia maitlandii</i>	0.1	1
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	0.6
<i>Amphipogon sericeus</i>	0.1	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cymbopogon ambiguus</i>	0.1	1.1
<i>Dampiera candicans</i>	0.1	0.4
<i>Dodonaea coriacea</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	0.6
<i>Eremophila latrobei</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.4
<i>Fimbristylis depauperata</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	3
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.3
<i>Mirbelia viminalis</i>	0.1	0.4
<i>Petalostylis labicheoides</i>	0.1	1.3
<i>Polygala glaucifolia</i>	0.1	0.05
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus rotundifolius</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.1
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.5
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Solanum centrale</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.1
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.4
<i>Tricoryne</i> sp. Hamersley Range (S. van Leeuwen 915)	0.1	0.3

Site: RQ151

Type: Quadrat

Date: 10/10/2019, 14/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 753198 Northing: 7438410

Habitat: Clay plain

Soil: reddish brown hardsetting, sandy clay

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. pruinocarpa* and *A. catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* open hummock grassland with *Chrysopogon fallax* and *Themeda triandra* scattered tussock grasses.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.4
<i>Acacia aptaneura</i>	6	4
<i>Acacia pruinocarpa</i>	5	5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	3	5
<i>Chrysopogon fallax</i>	1	1.1
<i>Themeda triandra</i>	0.5	1.1
<i>Abutilon otocarpum</i>	0.1	0.4
<i>Acacia tetragonophylla</i>	0.1	1.7
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	0.8
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.5
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Bulbostylis turbinata</i>	0.1	0.02
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Digitaria ammophila</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Enneapogon robustissimus</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Eragrostis pergracilis</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.2
<i>Eremophila lanceolata</i>	0.1	0.4
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Euphorbia drummondii</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	4.5
<i>Heliotropium tanythrix</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Hibiscus coatesii</i>	0.1	0.5
<i>Leichhardtia australis</i>	0.1	0.6
<i>Maireana villosa</i>	0.1	0.3
<i>Panicum decompositum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium rarum</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.15
<i>Portulaca filifolia</i>	0.1	0.15
<i>Psyrax rigidula</i>	0.1	1
<i>Psyrax suaveolens</i>	0.1	1.3
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.9
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.3
<i>Senna glaucifolia</i>	0.1	2
<i>Senna notabilis</i>	0.1	0.1
<i>Sida fibulifera</i>	0.1	0.3
<i>Sida platycalyx</i>	0.1	0.1
<i>Solanum cleistogamum</i>	0.1	0.6

* denotes weed species

Site: RQ152

Type: Quadrat

Date: 10/10/2019, 27/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 748933 **Northing:** 7438111

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Grevillea berryana* scattered tall shrubs over *Eremophila jucunda* subsp. *pulcherrima* scattered low shrubs over *Triodia wiseana* (*T. vanleeuwenii*) hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	42	0.6
<i>Corymbia hamersleyana</i>	4	6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.5	0.8
<i>Grevillea berryana</i>	0.5	3
<i>Triodia vanleeuwenii</i>	0.5	0.3
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.2
<i>Acacia adsurgens</i>	0.1	1.8
<i>Acacia aptaneura</i>	0.1	1.1
<i>Acacia hilliana</i>	0.1	0.5
<i>Acacia maitlandii</i>	0.1	2.2
<i>Acacia monticola</i>	0.1	2.8
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	2.1
<i>Acacia rhodophloia</i>	0.1	1.5
<i>Arivela viscosa</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Bulbostylis barbata</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Capparis lasiantha</i>	0.1	0.7
<i>Cheilanthes brownii</i>	0.1	0.1
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.5
<i>Codonocarpus cotinifolius</i>	0.1	1.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Enneapogon caeruleus</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.1
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.8
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gossypium robinsonii</i>	0.1	2
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	2.1
<i>Hakea chordophylla</i>	0.1	3.5
<i>Indigofera monophylla</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.2
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1.1
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Santalum lanceolatum</i>	0.1	2.5
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.3
<i>Senna ferraria</i>	0.1	1.7
<i>Senna glaucifolia</i>	0.1	0.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.1
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.8
<i>Solanum centrale</i>	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.1
<i>Triumfetta maconochieana</i>	0.1	0.2

* denotes weed species

Site: RQ153**Type:** Quadrat**Date:** 10/10/2019, 27/05/2021**Described by:** KMc / RD / HP / CM**MGA zone:** 50K**Easting:** 751785 **Northing:** 7434759**Habitat:** Hillslope**Soil:** reddish brown sandy clay loam**Rock type:** Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Eucalyptus gamophylla* scattered low mallees over *Acacia adsurgens* scattered shrubs over *A. hilliana*, *A. adoxa* var. *adoxa* and *Indigofera monophylla* low shrubland over *Triodia vanleeuwenii* very open hummock grassland with *Fimbristylis simulans* scattered sedges.

Veg Condition: Excellent**Fire Age:** 0-2 years**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia hilliana</i>	17	0.3
<i>Triodia vanleeuwenii</i>	9	0.1
<i>Acacia adoxa</i> var. <i>adoxa</i>	3	0.3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	4
<i>Acacia adsurgens</i>	0.5	1.3
<i>Eucalyptus gamophylla</i>	0.5	2
<i>Fimbristylis simulans</i>	0.5	0.1
<i>Indigofera monophylla</i>	0.5	0.4
<i>Acacia bivenosa</i>	0.1	1
<i>Acacia cowleana</i>	0.1	1.1
<i>Acacia monticola</i>	0.1	1
<i>Acacia sibirica</i>	0.1	0.5
<i>Afrohybanthus aurantiacus</i>	0.1	0.7
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Androcalva luteiflora</i>	0.1	1.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.5
<i>Aristida ingrata</i>	0.1	1.1

Name	Cover (%)	Height (m)
<i>Capparis lasiantha</i>	0.1	1
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.3
<i>Codonocarpus cotinifolius</i>	0.1	0.6
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6
<i>Dampiera candidans</i>	0.1	0.2
<i>Dodonaea</i> ? <i>petiolaris</i>	0.1	0.4
<i>Dodonaea coriacea</i>	0.1	0.5
<i>Dolichocarpa crouchiana</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.2
<i>Eremophila longifolia</i>	0.1	1
<i>Eriachne helmsii</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.8
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	1.6
<i>Heliotropium pachyphyllum</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.6
<i>Hibiscus sturtii</i> var. <i>truncatus</i>	0.1	0.5
<i>Isotropis parviflora</i> P2	0.1	0.1
<i>Panicum effusum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus rotundifolius</i>	0.1	0.2
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.9
<i>Senna glaucifolia</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Seringia exastia</i>	0.1	1
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Solanum centrale</i>	0.1	0.1
<i>Solanum horridum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Stackhousia</i> sp. <i>swollen gynophore</i> (W.R. Barker 2041)	0.1	0.2
<i>Tribulus suberosus</i>	0.1	0.4
<i>Yakirra australiensis</i>	0.1	0.1

? denotes unconfirmed ID

Site: RQ155

Type: Quadrat

Date: 10/10/2019, 27/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 745351 **Northing:** 7439327

Habitat: Clay plain

Soil: red brown surface crust, clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Acacia citrinoviridis*, *A. pruinocarpa* and *A. catenulata* subsp. *occidentalis* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia vanleeuwenii* open hummock grassland.

Veg Condition: Very Good

Fire Age: Very long unburnt

Notes: See T.A. Hammer et al. in Austral.Syst.Bot. 31:273 (2018)



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.4
<i>Acacia citrinoviridis</i>	3	7
<i>Acacia pruinocarpa</i>	3	3.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	4
<i>Acacia aptaneura</i>	0.5	5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.4
<i>Abutilon lepidum</i>	0.1	0.1
<i>Acacia ayersiana</i>	0.1	1.6
<i>Acacia bivenosa</i>	0.1	4
<i>Acacia inaequilatera</i>	0.1	2.8
<i>Acacia pachyacra</i>	0.1	3
<i>Acacia sibirica</i>	0.1	2.5
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.4
<i>Aristida obscura</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Calytrix carinata</i>	0.1	1
<i>Commelina ensifolia</i>	0.1	0.15
<i>Duperreya commixta</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.05
<i>Eucalyptus gamophylla</i>	0.1	5.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	7
<i>Eulalia aurea</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.3
<i>Psyrax suaveolens</i>	0.1	1.3
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.9
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.7
<i>Senna notabilis</i>	0.1	0.05
<i>Thyridolepis xerophila</i>	0.1	0.2
<i>Triodia pungens</i>	0.1	0.4
<i>Vincetoxicum lineare</i>	0.1	0.4
<i>Yakirra australiensis</i> var. <i>australiensis</i>	0.1	0.2

* denotes weed species

Site: RQ156

Type: Quadrat

Date: 10/10/2019, 27/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 747574 **Northing:** 7438954

Habitat: Plain

Soil: reddish brown hardsetting, silty clay

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. ayersiana* and *A. aptaneura* tall shrubland over *Sida ectogama* and *Eremophila forrestii* subsp. *forrestii* open shrubland over *Aristida obscura* and *Paspalidium clementii* scattered annual grasses.

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	7.5
<i>Sida ectogama</i>	5	1.6
<i>Acacia aptaneura</i>	1	7
<i>Acacia ayersiana</i>	1	2.3
<i>Aristida obscura</i>	0.5	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.2
<i>Paspalidium clementii</i>	0.5	0.1
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.2	0.1
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Acacia pachyacra</i>	0.1	4.5
<i>Acacia pruinocarpa</i>	0.1	3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Cheilanthes sieberi</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	0.5
<i>Codonocarpus cotinifolius</i>	0.1	9
<i>Digitaria brownii</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Digitaria ctenantha</i>	0.1	4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Eriachne aristidea</i>	0.1	0.2
<i>Eriachne helmsii</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	4
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Panicum effusum</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.02
<i>Psyrax suaveolens</i>	0.1	2.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.2
<i>Schizachyrium fragile</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.8
<i>Senna glaucifolia</i>	0.1	1.7
<i>Sida</i> sp.	0.1	0.2
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Thyridolepis xerophila</i>	0.1	0.4
<i>Tribulus astrocarpus</i>	0.1	0.02
<i>Triodia pungens</i>	0.1	0.4
<i>Triodia vanleeuwenii</i>	0.1	0.3

* denotes weed species

Site: RQ157

Type: Quadrat

Date: 11/10/2019, 25/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 740355 **Northing:** 7436375

Habitat: Plain

Soil: brown crabhole/self-mulching, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall shrubland over *Chrysopogon fallax* very open tussock grassland with *Enneapogon polyphyllus*, *Iseilema vaginiflorum* and *Urochloa occidentalis* annual grassland with **Bidens bipinnata* scattered herbs

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	30	0.5
<i>Acacia aptaneura</i>	15	7
<i>Iseilema vaginiflorum</i>	5	0.4
<i>Chrysopogon fallax</i>	3	0.7
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	2	0.4
* <i>Bidens bipinnata</i>	1	0.7
<i>Digitaria ctenantha</i>	0.5	0.4
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	1.1
<i>Austrobryonia pilbarensis</i>	0.1	0.1
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Boerhavia repleta</i>	0.1	0.1
<i>Boerhavia schomburgkiana</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
* <i>Chloris virgata</i>	0.1	1.1
<i>Commelina ensifolia</i>	0.1	0.3
<i>Cucumis melo</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Cynodon convergens</i>	0.1	0.3
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.3
<i>Enneapogon caerulescens</i>	0.1	0.3
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia trigonosperma</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Gomphrena lanata</i>	0.1	0.2
<i>Heliotropium cunninghamii</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.7
<i>Ipomoea lonchophylla</i>	0.1	0.1
<i>Josephinia eugeniae</i>	0.1	0.3
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus xerophilus</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Salsola australis</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.2
<i>Vincetoxicum lineare</i>	0.1	0.1

* denotes weed species

Site: RQ158

Type: Quadrat

Date: 11/10/2019, 24/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 738135 Northing: 7437106

Habitat: Clay plain

Soil: orange brown crabhole/self-mulching, light clay

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* scattered low trees over *Acacia aptaneura* tall open shrubland over *Aristida latifolia* very open tussock grassland with *Iseilema vaginiflorum* and *Urochloa occidentalis* var. *occidentalis* open annual grassland over **Bidens bipinnata* scattered herbs with *Ipomoea lonchophylla* scattered vines

Veg Condition: Good

Fire Age: 2-5 years

**Species List:**

Name	Cover (%)	Height (m)
<i>Iseilema vaginiflorum</i>	28	0.5
<i>Acacia aptaneura</i>	4	7
<i>Aristida latifolia</i>	3	0.8
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	2	0.4
* <i>Bidens bipinnata</i>	1	0.5
<i>Ipomoea lonchophylla</i>	1	0.1
<i>Eucalyptus victrix</i>	0.5	6
<i>Arivela viscosa</i>	0.1	0.6
<i>Austrobryonia pilbarensis</i>	0.1	1.5
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Convolvulus clementii</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.2
<i>Euphorbia coghlanii</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.4

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Name	Cover (%)	Height (m)
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.2
<i>Operculina aequisepala</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.05
<i>Polygala glaucifolia</i>	0.1	0.05
<i>Portulaca oleracea</i>	0.1	0.2
<i>Pterocaulon</i> sp.	0.1	0.02
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	1.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.7
<i>Rhynchosia minima</i>	0.1	0.2
<i>Salsola australis</i>	0.1	0.4
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.7
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.2

* denotes weed species

Site: RQ159

Type: Quadrat

Date: 12/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 750504 Northing: 7434239

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana*, *C. ferritcola* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Gompholobium oreophilum*, *Corchorus lasiocarpus* subsp. *parvus* and *Mirbelia viminalis* low open shrubland over *Triodia vanleeuwenii*, *T. wiseana* and *T. pungens* very open hummock grassland with *Eriachne mucronata* and *Eriachne lanata* very open tussock grassland.

Veg Condition: Excellent**Fire Age:** 5-10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	5	0.2
<i>Gompholobium oreophilum</i>	2.5	0.3
<i>Triodia wiseana</i>	2.5	0.3
<i>Eriachne lanata</i>	2	0.3
<i>Eriachne mucronata</i>	2	0.4
<i>Triodia pungens</i>	2	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	1	0.5
<i>Corymbia hamersleyana</i>	1	4.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.5	0.4
<i>Corymbia ferritcola</i>	0.5	6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	2
<i>Mirbelia viminalis</i>	0.5	0.6
<i>Acacia adsurgens</i>	0.1	0.5
<i>Acacia bivenosa</i>	0.1	0.8
<i>Acacia hamersleyensis</i>	0.1	1.1
<i>Acacia maitlandii</i>	0.1	0.8
<i>Acacia pruinocarpa</i>	0.1	1.4

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Name	Cover (%)	Height (m)
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.3
<i>Amphipogon sericeus</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	0.8
<i>Dampiera candidans</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	1.8
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Gossypium robinsonii</i>	0.1	1.8
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	0.7
<i>Hakea chordophylla</i>	0.1	3.5
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.1
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.5
<i>Senna ferraria</i>	0.1	1.7
<i>Senna glaucifolia</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.2
<i>Seringia exastia</i>	0.1	0.2
<i>Sida arenicola</i>	0.1	0.2
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	0.1	0.5
<i>Solanum horridum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Tephrosia oxalidea</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.5

Site: RQ160

Type: Quadrat

Date: 12/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 750811 **Northing:** 7434037

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Mirbelia viminalis*, *Androcalva loxophylla* and *Gompholobium oreophilum* low shrubland over *Triodia vanleeuwenii* very open hummock grassland with *Eriachne lanata* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Mirbelia viminalis</i>	8	0.8
<i>Androcalva loxophylla</i>	7	0.3
<i>Gompholobium oreophilum</i>	5	0.6
<i>Triodia vanleeuwenii</i>	3	0.2
<i>Corymbia hamersleyana</i>	1	4
<i>Dampiera candidans</i>	0.5	0.5
<i>Eriachne lanata</i>	0.5	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	0.8
<i>Acacia hamersleyensis</i>	0.1	0.5
<i>Acacia inaequilatera</i>	0.1	0.8
<i>Acacia pruinocarpa</i>	0.1	0.4
<i>Acacia trudgeniana</i>	0.1	1.2
<i>Afrohybanthus aurantiacus</i>	0.1	0.1
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Androcalva luteiflora</i>	0.1	1.2
<i>Aristida contorta</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Calytrix carinata</i>	0.1	0.6
<i>Codonocarpus cotinifolius</i>	0.1	0.5
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.5
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.3
<i>Eriachne mucronata</i>	0.1	0.4
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	1.2
<i>Hakea chordophylla</i>	0.1	3.5
<i>Paraneurachne muelleri</i>	0.1	0.2
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus clementii</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus fusiformis</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus rotundifolius</i>	0.1	0.4
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.3
<i>Senna ferraria</i>	0.1	2.4
<i>Senna glaucifolia</i>	0.1	0.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.3
<i>Sida arenicola</i>	0.1	1.2
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Solanum centrale</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Themeda triandra</i>	0.1	0.5
<i>Triodia pungens</i>	0.1	0.5

Site: RQ162

Type: Quadrat

Date: 12/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 750933 **Northing:** 7433401

Habitat: Foothslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Hakea chordophylla* and *Acacia trudgeniana* scattered tall shrubs over *Eremophila longifolia* and *Sida arenicola* scattered shrubs over *Bonamia erecta* and *Androcalva loxophylla* scattered low shrubs over *Triodia vanleeuwenii* open hummock grassland with *Amphipogon sericeus* scattered annual grasses with *Duperreya commixta* scattered vines.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.2
<i>Androcalva loxophylla</i>	1	0.4
<i>Hakea chordophylla</i>	1	5
<i>Acacia hilliania</i>	0.5	0.4
<i>Acacia trudgeniana</i>	0.5	2.5
<i>Amphipogon sericeus</i>	0.5	0.3
<i>Bonamia erecta</i>	0.5	0.4
<i>Duperreya commixta</i>	0.5	0.5
<i>Eremophila longifolia</i>	0.5	1.4
<i>Abutilon otocarpum</i>	0.1	0.6
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.2
<i>Acacia adsurgens</i>	0.1	0.7
<i>Acacia aptaneura</i>	0.1	0.8
<i>Acacia bivenosa</i>	0.1	0.5
<i>Acacia cowleana</i>	0.1	0.7
<i>Acacia maitlandii</i>	0.1	0.5
<i>Acacia tenuissima</i>	0.1	1.2

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Name	Cover (%)	Height (m)
<i>Acacia tetragonophylla</i>	0.1	0.5
<i>Afrohybanthus aurantiacus</i>	0.1	0.4
<i>Androcalva luteiflora</i>	0.1	1.3
<i>Anthobolus leptomerioides</i>	0.1	1.4
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida latifolia</i>	0.1	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4.5
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	0.5
<i>Dolichocarpa crouchiana</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.2
<i>Eriachne lanata</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Goodenia vilmorinae</i>	0.1	0.2
<i>Heliotropium pachyphyllum</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.3
<i>Mirbelia viminalis</i>	0.1	0.6
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.3
<i>Psyrax latifolia</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus fusiformis</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.3
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.4
<i>Senna ferraria</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Sida arenicola</i>	0.1	0.3
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Solanum horridum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Stackhousia</i> ? <i>intermedia</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.6
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.4
<i>Vincetoxicum lineare</i>	0.1	0.4

? denotes unconfirmed ID

Site: RQ163

Type: Quadrat

Date: 12/10/2019, 03/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 751260 Northing: 7433050

Habitat: Plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Grevillea berryana* and *Acacia aptaneura* scattered tall shrubs over *Eremophila galeata* scattered shrubs over *Triodia pungens* scattered hummock grasses with *Aristida contorta* very open annual grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	4	0.3
<i>Grevillea berryana</i>	1	4.5
<i>Acacia aptaneura</i>	0.5	6
<i>Eremophila galeata</i>	0.5	1.1
<i>Triodia pungens</i>	0.5	0.6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	4.5
<i>Acacia rhodophloia</i>	0.1	0.6
<i>Acacia tetragonophylla</i>	0.1	1.8
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Cheilanthes sieberi</i>	0.1	0.3
<i>Cynanchum viminale</i> subsp. <i>australe</i>	0.1	0.7
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1
<i>Eremophila latrobei</i>	0.1	1.2
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.2
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.01
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.15

Name	Cover (%)	Height (m)
<i>Fimbristylis dichotoma</i>	0.1	0.3
<i>Gomphrena lanata</i>	0.1	0.05
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Hibiscus coatesii</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.15
<i>Polycarpha corymbosa</i> var. <i>corymbosa</i>	0.1	0.03
<i>Polygala glaucifolia</i>	0.1	0.01
<i>Psyrax latifolia</i>	0.1	1.1
<i>Ptilotus roei</i>	0.1	0.03
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Tribulus ?terrestris</i>	0.1	0.05
<i>Triodia vanleeuwenii</i>	0.1	0.2

* denotes weed species

? denotes unconfirmed ID

Site: RQ164

Type: Quadrat

Date: 13/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 748063 **Northing:** 7436541

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* low open woodland over *Acacia maitlandii* and *Grevillea wickhamii* subsp. *hispidula* scattered tall shrubs over *A. hilliana* and *A. adoxa* var. *adoxo* scattered low shrubs over *Triodia wiseana* (*T. vanleeuwenii*) hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	40	0.7
<i>Corymbia hamersleyana</i>	5	5
<i>Triodia vanleeuwenii</i>	1	0.4
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.5	0.4
<i>Acacia hilliana</i>	0.5	0.4
<i>Acacia maitlandii</i>	0.5	3.5
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.5	2
? <i>Digitaria ctenantha</i>	0.1	0.2
<i>Acacia pruinocarpa</i>	0.1	0.5
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.4
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Androcalva luteiflora</i>	0.1	1
<i>Aristida contorta</i>	0.1	0.2
<i>Cheilanthes lasiophylla</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	1
<i>Dampiera candidans</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.6
<i>Eriachne mucronata</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.1
<i>Fimbristylis depauperata</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Gossypium robinsonii</i>	0.1	1.4
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.5
<i>Petalostylis labicheoides</i>	0.1	1.3
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.4
<i>Senna ferraria</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1
<i>Sida cardiophylla</i>	0.1	0.3
<i>Solanum horridum</i>	0.1	0.2
<i>Tephrosia oxalidea</i>	0.1	0.1
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.3
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.4

? denotes unconfirmed ID

Site: RQ165

Type: Quadrat

Date: 13/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 747149 Northing: 7436324

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Corchorus lasiocarpus* scattered low shrubs over *Triodia wiseana* and *T. pungens* open hummock grassland with *Themeda* sp. Mt Barricade (M.E. Trudgen 2471) and *Eriachne mucronata* very open tussock grassland over *Goodenia cusackiana* scattered herbs.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	20	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	4	6
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)	2	0.4
<i>Eriachne mucronata</i>	1	0.4
<i>Triodia pungens</i>	1	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.5	0.5
<i>Goodenia cusackiana</i>	0.5	0.3
<i>Acacia aptaneura</i>	0.1	0.4
<i>Acacia bivenosa</i>	0.1	0.1
<i>Acacia dictyophleba</i>	0.1	0.4
<i>Acacia maitlandii</i>	0.1	1.6
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.3
<i>Acacia rhodophloia</i>	0.1	1.4
<i>Codonocarpus cotinifolius</i>	0.1	2.5
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Dampiera candidans</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.1
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.5
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	0.4
<i>Hibiscus coatesii</i>	0.1	0.7
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.2
<i>Mirbelia viminalis</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Peripleura virgata</i>	0.1	0.2
<i>Psyrax suaveolens</i>	0.1	1
<i>Pterocaulon sphacelatum</i>	0.1	0.6
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna ferraria</i>	0.1	0.9
<i>Senna glaucifolia</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.6
<i>Senna venusta</i>	0.1	0.4
<i>Sida</i> ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.3
<i>Sida cardiophylla</i>	0.1	0.5
<i>Sida echinocarpa</i>	0.1	0.4
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.5
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Tephrosia oxalidea</i>	0.1	0.1

? denotes unconfirmed ID

Site: RQ167

Type: Quadrat

Date: 13/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 749259 Northing: 7434784

Habitat: Hillslope

Soil: brown clay loam

Rock type: Calcrete, Ironstone, Quartz

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Triodia pungens* open hummock grassland.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	8	5
<i>Acacia adsurgens</i>	0.1	0.5
<i>Acacia bivenosa</i>	0.1	0.9
<i>Acacia hamersleyensis</i>	0.1	0.5
<i>Acacia maitlandii</i>	0.1	1.1
<i>Acacia tenuissima</i>	0.1	0.6
<i>Capparis lasiantha</i>	0.1	1.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Cymbopogon ambiguus</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.7
<i>Panicum effusum</i>	0.1	0.1
<i>Psydrax suaveolens</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.7

Name	Cover (%)	Height (m)
<i>Senna sericea</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.4
<i>Solanum centrale</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.5

Site: RQ168

Type: Quadrat

Date: 14/10/2019, 12/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 743181 Northing: 7437607

Habitat: Hillslope

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia*, *Corymbia hamersleyana* and *C. deserticola* subsp. *deserticola* scattered low trees over *Seringia exastia* scattered low shrubs over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	13	0.1
<i>Triodia pungens</i>	2	0.3
<i>Seringia exastia</i>	1.5	0.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	3.5
<i>Corymbia hamersleyana</i>	0.5	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4.5
<i>Acacia bivenosa</i>	0.1	0.4
<i>Acacia cowleana</i>	0.1	0.5
<i>Acacia maitlandii</i>	0.1	0.4
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.4
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.7
<i>Chrysopogon fallax</i>	0.1	0.6
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Dampiera candidans</i>	0.1	0.6
<i>Dodonaea coriacea</i>	0.1	0.6
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.3
<i>Eriachne lanata</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Eriachne mucronata</i>	0.1	0.3
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	2.5
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.4
<i>Mirbelia viminalis</i>	0.1	1.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.7
<i>Ptilotus clementii</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Senna ferraria</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.8
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.4

Site: RQ170

Type: Quadrat

Date: 14/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 743532 **Northing:** 7437201

Habitat: Pediment

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Hakea chordophylla* scattered tall shrubs over *Triodia vanleeuwenii* open hummock grassland with *Fimbristylis simulans* very open sedgeland.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.2
<i>Fimbristylis simulans</i>	8	0.2
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	4.5
<i>Hakea chordophylla</i>	0.5	3
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.2
<i>Acacia adsurgens</i>	0.1	0.4
<i>Acacia bivenosa</i>	0.1	0.5
<i>Acacia dictyophleba</i>	0.1	0.5
<i>Acacia elachantha</i>	0.1	0.7
<i>Acacia tenuissima</i>	0.1	1
<i>Acacia trudgeniana</i>	0.1	1.9
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Androcalva loxophylla</i>	0.1	0.5
<i>Chrysocephalum pterochaetum</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0.1
<i>Dampiera candidans</i>	0.1	0.3
<i>Dodonaea coriacea</i>	0.1	1

Name	Cover (%)	Height (m)
<i>Duperreya commixta</i>	0.1	1.2
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.2
<i>Eriachne lanata</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis depauperata</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Heliotropium inexplicitum</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Polycarpaea holtzei</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Schizachyrium fragile</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	0.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.1
<i>Sida arenicola</i>	0.1	0.5
<i>Sida cardiophylla</i>	0.1	0.4
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.5
<i>Solanum centrale</i>	0.1	0.1
<i>Solanum horridum</i>	0.1	0.2

Site: RQ171

Type: Quadrat

Date: 14/10/2019, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 744270 **Northing:** 7438241

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone, Laterite

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia maitlandii* scattered shrubs over *A. adoxa* var. *adoxo* scattered low shrubs over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1.5	5
<i>Triodia pungens</i>	1.5	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	1	0.3
<i>Acacia maitlandii</i>	0.5	1.6
<i>Acacia adsurgens</i>	0.1	0.5
<i>Acacia pruinocarpa</i>	0.1	0.6
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Codonocarpus cotinifolius</i>	0.1	1.5
<i>Corymbia hamersleyana</i>	0.1	2
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Dampiera candidans</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1
<i>Eriachne lanata</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.5
<i>Gompholobium oreophilum</i>	0.1	0.6
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Gossypium robinsonii</i>	0.1	1.2
<i>Hakea chordophylla</i>	0.1	3.6
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.7
<i>Ptilotus clementii</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.2
<i>Ptilotus rotundifolius</i>	0.1	0.7
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.6
<i>Senna glaucifolia</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Stackhousia ?intermedia</i>	0.1	0.1

? denotes unconfirmed ID

Site: RQ172

Type: Quadrat

Date: 14/10/2019, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 744415 **Northing:** 7438860

Habitat: Hillslope

Soil: reddish brown silty clay loam

Rock type: Ironstone, Laterite

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia bivenosa* and *Ptilotus rotundifolius* scattered shrubs over *A. adoxa* var. *adoxo* scattered low shrubs over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland with *Eriachne lanata* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.1
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.5	0.3
<i>Acacia bivenosa</i>	0.5	1.2
<i>Eriachne lanata</i>	0.5	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	8
<i>Ptilotus rotundifolius</i>	0.5	1
<i>Triodia pungens</i>	0.5	0.3
<i>Acacia adsurgens</i>	0.1	1
<i>Acacia ancistrocarpa</i>	0.1	0.6
<i>Acacia aptaneura</i>	0.1	0.6
<i>Acacia hamersleyensis</i>	0.1	0.3
<i>Acacia inaequilatera</i>	0.1	3
<i>Acacia monticola</i>	0.1	1.3
<i>Acacia trudgeniana</i>	0.1	2.2
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	0.6
<i>Boerhavia coccinea</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Bonamia pilbarensis</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	0.5
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Dampiera candicans</i>	0.1	0.4
<i>Dodonaea coriacea</i>	0.1	1
<i>Duperreya commixta</i>	0.1	0.5
<i>Enneapogon lindleyanus</i>	0.1	0.6
<i>Enneapogon polyphyllus</i>	0.1	0.1
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eulalia aurea</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis simulans</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Gossypium robinsonii</i>	0.1	1
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	0.4
<i>Hakea chordophylla</i>	0.1	3
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus clementii</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus helipteroides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.2
<i>Sida arenicola</i>	0.1	0.6
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.3
<i>Solanum centrale</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Themeda triandra</i>	0.1	0.5
<i>Tribulus suberosus</i>	0.1	0.3

Site: RQ173

Type: Quadrat

Date: 14/10/2019, 26/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 750772 **Northing:** 7432901

Habitat: Plain

Soil: dark reddish brown surface crust, sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. tetragonophylla* tall open shrubland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	1	3.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	5.5
<i>Acacia tetragonophylla</i>	0.5	2.5
<i>Acacia pruinocarpa</i>	0.1	4.5
<i>Acacia rhodophloia</i>	0.1	4.5
<i>Acacia sibirica</i>	0.1	1.5
<i>Anthobolus leptomerioides</i>	0.1	1.5
<i>Areocleome oxalidea</i>	0.1	0.1
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida obscura</i>	0.1	0.2
<i>Bulbostylis turbinata</i>	0.1	0.05
<i>Calandrinia stagnensis</i>	0.1	0.05
<i>Cymbopogon ambiguus</i>	0.1	0.3
<i>Cynanchum pedunculatum</i>	0.1	1.6
<i>Duperreya commixta</i>	0.1	0.9
<i>Enneapogon robustissimus</i>	0.1	0.1
<i>Enteropogon ramosus</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.9
<i>Eremophila galeata</i>	0.1	2.5
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	0.6

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Name	Cover (%)	Height (m)
<i>Eriachne obtusa</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.15
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	2.5
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	1.3
<i>Leichhardtia australis</i>	0.1	0.2
<i>Panicum effusum</i>	0.1	0.2
<i>Paspalidium rarum</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.02
<i>Portulaca cyclophylla</i>	0.1	0.05
<i>Psyrax latifolia</i>	0.1	1.9
<i>Psyrax suaveolens</i>	0.1	2.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.05
<i>Ptilotus roei</i>	0.1	0.05
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1.9
<i>Senna artemisioides</i> subsp. <i>x sturtii</i>	0.1	1.3
<i>Senna glaucifolia</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Triodia pungens</i>	0.1	0.4
<i>Triodia wiseana</i>	0.1	0.6

Site: RQ174

Type: Quadrat

Date: 14/10/2019, 26/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 750536 Northing: 7432770

Habitat: Clay plain

Soil: reddish brown surface crust, clay loam

Rock type: Ironstone

Vegetation: *Acacia tetragonophylla* and *A. aptaneura* tall open shrubland over *Eremophila galeata* open shrubland over *Eriachne flaccida* scattered tussock grasses over *Aristida contorta*, *Dichanthium sericeum* subsp. *humilius* very open annual grassland with *Spermacoce brachystema* scattered herbs

Veg Condition: Good

Fire Age: Very long unburnt

**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia tetragonophylla</i>	3	2.1
<i>Aristida contorta</i>	3	0.3
<i>Eremophila galeata</i>	3	1.4
<i>Acacia aptaneura</i>	1	5
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	1	0.3
<i>Eriachne flaccida</i>	1	0.2
<i>Spermacoce brachystema</i>	0.5	0.2
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Anthobolus leptomerioides</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia repleta</i>	0.1	0.05
<i>Calandrinia stagnensis</i>	0.1	0.05
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
* <i>Chloris virgata</i>	0.1	0.4
<i>Chrysopogon fallax</i>	0.1	0.4
<i>Convolvulaceae</i> sp.	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Digitaria brownii</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Enteropogon ramosus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Goodenia prostrata</i>	0.1	0.05
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Iseilema eremaeum</i>	0.1	0.2
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.05
<i>Psyrax latifolia</i>	0.1	0.6
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	0.9
<i>Sida fibulifera</i>	0.1	0.2

* denotes weed species

Site: RQ177

Type: Quadrat

Date: 15/10/2019, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 741356 Northing: 7438827

Habitat: Foothlope

Soil: brown sandy loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia trudgeniana* and *Hakea chordophylla* scattered tall shrubs over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland with *Fimbristylis simulans* very open sedgeland with *Bonamia erecta* scattered herbs.

Veg Condition: Excellent**Fire Age:** 5-10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	11	0.2
<i>Fimbristylis simulans</i>	4	0.2
<i>Bonamia erecta</i>	1	0.7
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	4.3
<i>Triodia pungens</i>	1	0.8
<i>Acacia trudgeniana</i>	0.5	3.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	3.5
<i>Hakea chordophylla</i>	0.5	3.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia adsurgens</i>	0.1	1.3
<i>Acacia bivenosa</i>	0.1	1.4
<i>Acacia cowleana</i>	0.1	1.5
<i>Acacia sibirica</i>	0.1	0.3
<i>Acacia tenuissima</i>	0.1	0.5
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.4
<i>Codonocarpus cotinifolius</i>	0.1	1.3

Name	Cover (%)	Height (m)
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	1.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i>	0.1	0.4
<i>Eremophila longifolia</i>	0.1	1.1
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.1
<i>Euphorbia boophthona/tannensis</i>	0.1	0.2
<i>Fimbristylis depauperata</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.4
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.5
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.8
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus rotundifolius</i>	0.1	0.6
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.9
<i>Sida fibulifera</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Tribulus suberosus</i>	0.1	0.6

Site: RQ178

Type: Quadrat

Date: 15/10/2019, 11/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 737322 **Northing:** 7439105

Habitat: Clay plain

Soil: reddish brown crabhole/self-mulching, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Chrysopogon fallax*, *Aristida latifolia* and *Themeda triandra* open tussock grassland with *Enneapogon polyphyllus*, *Perotis rara*, and *Aristida contorta* very open annual grassland with *Goodenia prostrata* scattered herbs.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Aristida latifolia</i>	5	0.5
<i>Chrysopogon fallax</i>	5	1.1
<i>Acacia aptaneura</i>	3	4
<i>Enneapogon polyphyllus</i>	3	0.3
<i>Themeda triandra</i>	3	1.1
<i>Perotis rara</i>	2	0.1
<i>Aristida contorta</i>	1	0.3
<i>Eragrostis setifolia</i>	0.5	0.5
<i>Goodenia prostrata</i>	0.5	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.3
<i>Abutilon lepidum</i>	0.1	0.7
<i>Acacia aneura</i>	0.1	4
<i>Alternanthera nana</i>	0.1	0.3
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.6
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.6
* <i>Bidens bipinnata</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Bulbostylis turbinata</i>	0.1	0.1
<i>Calandrinia pumila</i>	0.1	0.1
* <i>Chloris virgata</i>	0.1	1
<i>Convolvulus clementii</i>	0.1	0.1
<i>Convolvulus remotus</i>	0.1	0.2
<i>Cucumis variabilis</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	1.3
<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>	0.1	0.2
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.1
<i>Eremophila lanceolata</i>	0.1	0.5
<i>Euphorbia boophthona</i>	0.1	0.2
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Haloragis gossei</i> var. <i>gossei</i>	0.1	0.2
<i>Heliotropium cunninghamii</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Indigofera linnaei</i>	0.1	0.5
<i>Iseilema vaginiflorum</i>	0.1	0.5
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.5
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus gomphrenoides</i>	0.1	0.5
<i>Ptilotus helipteroides</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Rhynchosia minima</i>	0.1	0.3
<i>Salsola australis</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1
<i>Senna notabilis</i>	0.1	0.1
<i>Setaria dielsii</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.1

* denotes weed species

Site: RQ179

Type: Quadrat

Date: 15/10/2019, 25/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 736891 Northing: 7438678

Habitat: Clay plain

Soil: orange brown crabhole/self-mulching, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Rhagodia eremaea* shrubland over *Aristida latifolia* scattered tussock grasses with *Iseilema vaginiflorum*, *Urochloa occidentalis* var. *occidentalis* and *Digitaria brownii* very open annual grassland over over *Marsilea*

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Rhagodia eremaea</i>	11	1.3
<i>Iseilema vaginiflorum</i>	8	0.5
<i>Acacia aptaneura</i>	5	10
<i>Aristida latifolia</i>	0.5	0.8
<i>Digitaria brownii</i>	0.5	0.2
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.5	0.3
<i>Abutilon malvifolium</i>	0.1	0.1
<i>Ammannia multiflora</i>	0.1	0.1
<i>Arivela viscosa</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.6
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Calotis latiuscula</i>	0.1	0.2
<i>Centipeda minima</i> subsp. <i>macrocephala</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Convolvulus clementii</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.1
<i>Cyperus iria</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Euphorbia biconvexa</i>	0.1	0.1
<i>Haloragis</i> sp.	0.1	0.1
<i>Ipomoea lonchophylla</i>	0.1	0.1
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.1
<i>Mimulus gracilis</i>	0.1	0.1
<i>Panicum laevinode</i>	0.1	0.6
<i>Paspalidium clementii</i>	0.1	0.4
<i>Pterocaulon sphacelatum</i>	0.1	0.1
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus xerophilus</i>	0.1	0.2
<i>Rhynchosia minima</i>	0.1	0.1
<i>Salsola australis</i>	0.1	0.3
<i>Setaria dielsii</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ180

Type: Quadrat

Date: 15/10/2019, 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 749413 **Northing:** 7434094

Habitat: Stony plain

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Triodia wiseana* and *T. vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: 0-2 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	25	0.8
<i>Triodia vanleeuwenii</i>	7	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	8
<i>Acacia aptaneura</i>	0.1	1.2
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia sibirica</i>	0.1	0.7
<i>Capparis lasiantha</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Ptilotus calostachyus</i>	0.1	0.4
<i>Santalum lanceolatum</i>	0.1	2.1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.6
<i>Triodia pungens</i>	0.1	1.1

Site: RQ181

Type: Quadrat

Date: 15/10/2019, 03/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 751355 Northing: 7432919

Habitat: Minor drainage

Soil: orange brown clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. citrinoviridis* and *A. catenulata* subsp. *occidentalis* tall shrubland over *Sida ectogama* and *Eremophila galeata* open shrubland over *Triodia pungens* very open hummock grassland with *Chrysopogon fallax* very open tussock grassland over *Paspalidium rarum*, *Digitaria ctenantha* and *Enneapogon polyphyllus* annual grassland over *Fimbristylis dichotoma* scattered sedges with **Bidens bipinnata* and *Spermacoce brachystema* very open herbland

Veg Condition: Good

Fire Age: Very long unburnt

**Species List:**

Name	Cover (%)	Height (m)
<i>Paspalidium rarum</i>	16	0.2
<i>Digitaria ctenantha</i>	15	0.2
<i>Acacia aptaneura</i>	10	5
<i>Triodia pungens</i>	8	0.5
<i>Acacia citrinoviridis</i>	5	8
<i>*Bidens bipinnata</i>	5	0.2
<i>Chrysopogon fallax</i>	3	1.2
<i>Enneapogon polyphyllus</i>	3	0.4
<i>Sida ectogama</i>	3	1.6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	5
<i>Acacia tetragonophylla</i>	1	2.5
<i>Aristida contorta</i>	1	0.3
<i>Fimbristylis dichotoma</i>	1	0.2
<i>Perotis rara</i>	1	0.1
<i>Spermacoce brachystema</i>	1	0.3
<i>Eremophila galeata</i>	0.5	1.2

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Name	Cover (%)	Height (m)
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.5	0.1
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Abutilon macrum</i>	0.1	0.3
<i>Acacia ayersiana</i>	0.1	1.8
<i>Acacia rhodophloia</i>	0.1	2.2
<i>Areocleome oxalidea</i>	0.1	0.1
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Calandrinia ?pumila</i>	0.1	0.05
* <i>Cenchrus ciliaris</i>	0.1	0.4
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.3
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Digitaria brownii</i>	0.1	0.6
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.5
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.8
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.8
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.1
<i>Eriachne flaccida</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.1
<i>Eulalia aurea</i>	0.1	0.5
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Exocarpos sparteus</i>	0.1	0.5
<i>Gomphrena cunninghamii</i>	0.1	0.2
<i>Gomphrena kanisii</i>	0.1	0.5
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia nuda</i> P4	0.1	0.2
<i>Grevillea berryana</i>	0.1	5
<i>Haloragis gossei</i>	0.1	0.2
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Ipomoea lonchophylla</i>	0.1	0.1
<i>Ipomoea racemigera</i> P2	0.1	0.1
<i>Maireana planifolia</i>	0.1	0.3
<i>Marsilea hirsuta</i>	0.1	0.1
<i>Ophioglossum lusitanicum</i>	0.1	0.1
<i>Phyllanthus erwinii</i>	0.1	0.2
<i>Portulaca cyclophylla</i>	0.1	0.1
<i>Portulaca filifolia</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	2.3
<i>Psyrax suaveolens</i>	0.1	3

Name	Cover (%)	Height (m)
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus roei</i>	0.1	0.1
<i>Rhodanthe propinqua</i>	0.1	0.1
<i>Roebuckiella similis</i>	0.1	0.2
<i>Santalum lanceolatum</i>	0.1	0.6
<i>Schoenoplectiella laevis</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.1
<i>Senna glaucifolia</i>	0.1	0.2
<i>Setaria dielsii</i>	0.1	0.3
<i>Sida platycalyx</i>	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.8
<i>Trianthema triquetrum</i>	0.1	0.1
<i>Tripogonella loliiformis</i>	0.1	0.1

* denotes weed species

? denotes unconfirmed ID

Site: RQ182

Type: Quadrat

Date: 16/10/2019, 23/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 750158 **Northing:** 7435735

Habitat: Minor drainage

Soil: dark reddish brown hardsetting, loose, sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* low open woodland over *Acacia monticola* tall open scrub over *A. ancistrocarpa*, *A. colei* var. *colei* and *Gastrolobium grandiflorum* open shrubland over *Indigofera monophylla* low open shrubland over *Triodia pungens* very open hummock grassland over *Themeda triandra* (*Paraneurachne muelleri*) tussock grassland with *Duperreya commixta* scattered vines

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia monticola</i>	50	2.5
<i>Themeda triandra</i>	35	0.5
<i>Acacia ancistrocarpa</i>	2	1.3
<i>Eucalyptus xerothermica</i>	2	6
<i>Indigofera monophylla</i>	2	0.6
<i>Triodia pungens</i>	2	0.4
<i>Acacia colei</i> var. <i>colei</i>	1	1.2
<i>Gastrolobium grandiflorum</i>	1	1.8
<i>Acacia pachyacra</i>	0.5	1
<i>Androcalva luteiflora</i>	0.5	1.5
<i>Duperreya commixta</i>	0.5	1.5
<i>Paraneurachne muelleri</i>	0.5	0.6
<i>Stylobasium spathulatum</i>	0.5	2
<i>Abutilon cunninghamii</i>	0.1	0.7
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia ?adsurgens</i>	0.1	1.2
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	0.1	0.6
<i>Acacia bivenosa</i>	0.1	1.2
<i>Acacia cowleana</i>	0.1	1.7
<i>Acacia dictyophleba</i>	0.1	1.2
<i>Acacia maitlandii</i>	0.1	1.5
<i>Acacia pruinocarpa</i>	0.1	1.5
<i>Acacia sibirica</i>	0.1	1.1
<i>Acacia tetragonophylla</i>	0.1	0.6
<i>Afrohybanthus aurantiacus</i>	0.1	1
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.5
<i>Bonamia erecta</i>	0.1	0.5
<i>Capparis lasiantha</i>	0.1	1.1
<i>Codonocarpus cotinifolius</i>	0.1	2.3
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	1.5
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1
<i>Eremophila longifolia</i>	0.1	1.6
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eucalyptus gamophylla</i>	0.1	2.4
<i>Eulalia aurea</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.5
<i>Gossypium robinsonii</i>	0.1	4.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.3
<i>Hibiscus coatesii</i>	0.1	1.1
<i>Hibiscus sturtii</i>	0.1	0.5
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.4
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.7
<i>Panicum effusum</i>	0.1	0.5
<i>Petalostylis labicheoides</i>	0.1	2.1
<i>Ptilotus calostachyus</i>	0.1	1.2
<i>Ptilotus exaltatus</i>	0.1	1.2
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Santalum lanceolatum</i>	0.1	1.8
<i>Scaevola parvifolia</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	0.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.2
<i>Seringia exastia</i>	0.1	0.6
<i>Sida cardiophylla</i>	0.1	1.1
<i>Sida fibulifera</i>	0.1	0.3
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.5
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Triodia wiseana</i>	0.1	0.2
<i>Waltheria indica</i>	0.1	0.5

? denotes unconfirmed ID

Site: RQ183

Type: Quadrat

Date: 16/10/2019, 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 749857 Northing: 7435699

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Santalum lanceolatum* scattered tall shrubs over *Acacia sibirica* low open shrubland over *Triodia vanleeuwenii* open hummock grassland with *Goodenia stobbsiana* scattered herbs.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.4
<i>Acacia sibirica</i>	3	0.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	4.5
<i>Goodenia stobbsiana</i>	0.5	0.4
<i>Santalum lanceolatum</i>	0.5	2.2
<i>Abutilon otocarpum</i>	0.1	0.5
<i>Acacia adsurgens</i>	0.1	1.2
<i>Acacia bivenosa</i>	0.1	0.3
<i>Acacia elachantha</i>	0.1	1.1
<i>Acacia monticola</i>	0.1	0.5
<i>Acacia pruinocarpa</i>	0.1	1.5
<i>Acacia spondylophylla</i>	0.1	0.2
<i>Acacia tenuissima</i>	0.1	1.1
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Androcalva luteiflora</i>	0.1	1.2
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.5
<i>Aristida inaequiglumis</i>	0.1	1.2

Name	Cover (%)	Height (m)
<i>Calytrix carinata</i>	0.1	0.3
<i>Codonocarpus cotinifolius</i>	0.1	0.6
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	1.2
<i>Dodonaea coriacea</i>	0.1	0.6
<i>Duperreya commixta</i>	0.1	1.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Enneapogon robustissimus</i>	0.1	0.3
<i>Eremophila exilifolia</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.7
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Fimbristylis simulans</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Goodenia vilmorinae</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	1.1
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	0.6
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Hibiscus coatesii</i>	0.1	0.2
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.4
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1
<i>Panicum effusum</i>	0.1	0.5
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	1.2
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus fusiformis</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	0.5
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	0.4
<i>Seringia nephrosperma</i>	0.1	0.4
<i>Sida</i> ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.2
<i>Sida arenicola</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Tephrosia oxalidea</i>	0.1	0.2
<i>Triodia pungens</i>	0.1	0.4
<i>Triodia wiseana</i>	0.1	0.2

? denotes unconfirmed ID

Site: RQ185

Type: Quadrat

Date: 16/10/2019, 27/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 752608 **Northing:** 7436264

Habitat: Pediment

Soil: reddish brown sandy clay loam

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus repullulans* and *E. socialis* subsp. *eucentrica* low open mallee woodland over *Triodia wiseana* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	40	0.8
<i>Eucalyptus repullulans</i>	3	5
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	3	4.5
<i>Acacia bivenosa</i>	0.1	3
<i>Acacia maitlandii</i>	0.1	3
<i>Acacia pruinocarpa</i>	0.1	1.2
<i>Acacia sibirica</i>	0.1	1.2
<i>Acacia synchronica</i>	0.1	2.5
<i>Acacia tenuissima</i>	0.1	2.5
<i>Acacia tetragonophylla</i>	0.1	2.2
<i>Amphipogon sericeus</i>	0.1	0.1
<i>Cymbopogon ambiguus</i>	0.1	0.7
<i>Duperreya commixta</i>	0.1	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	0.8
<i>Eulalia aurea</i>	0.1	0.4
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Maireana melanocoma</i>	0.1	1.2
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1.2
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.4
<i>Senna sericea</i>	0.1	0.5
<i>Stackhousia</i> ? <i>intermedia</i>	0.1	0.1

? denotes unconfirmed ID

Site: RQ186

Type: Quadrat

Date: 16/10/2019, 27/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 752282 Northing: 7436127

Habitat: Plain

Soil: reddish brown sandy clay loam

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus repullulans* low open mallee woodland over *Triodia wiseana* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	35	0.8
<i>Eucalyptus repullulans</i>	2.5	4.5
<i>Acacia bivenosa</i>	0.1	2.5
<i>Acacia sibirica</i>	0.1	1.1
<i>Acacia tenuissima</i>	0.1	1.5
<i>Enneapogon polyphyllus</i>	0.1	0.1
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Iseilema dolichotrichum</i>	0.1	0.1
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Santalum lanceolatum</i>	0.1	1.2
<i>Sclerolaena densiflora</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.3
<i>Senna sericea</i>	0.1	1.2
<i>Stackhousia ?intermedia</i>	0.1	0.2

? denotes unconfirmed ID

Site: RQ187

Type: Quadrat

Date: 16/10/2019, 14/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 754345 Northing: 7437957

Habitat: Plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia pruinocarpa* and *A. catenulata* subsp. *occidentalis* tall shrubland over *Sida ectogama*, *Eremophila galeata* and *E. forrestii* open shrubland over *Triodia pungens* scattered hummock grasses with *Enneapogon polyphyllus* scattered annual grasses with *Cheilanthes sieberi* subsp. *sieberi* scattered ferns.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia pruinocarpa</i>	9	7
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	6	6
<i>Sida ectogama</i>	1	1.4
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.5	0.2
<i>Enneapogon polyphyllus</i>	0.5	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.6
<i>Eremophila galeata</i>	0.5	1.6
<i>Triodia pungens</i>	0.5	0.6
<i>Abutilon cryptopetalum</i>	0.1	0.8
<i>Acacia aptaneura</i>	0.1	1.2
<i>Acacia tetragonophylla</i>	0.1	1.2
<i>Anthobolus leptomerioides</i>	0.1	1.5
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Bulbostylis barbata</i>	0.1	0.05

Name	Cover (%)	Height (m)
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.9
<i>Eriachne mucronata</i>	0.1	0.4
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.15
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Gomphrena kanisii</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	1.9
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Hibiscus coatesii</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca filifolia</i>	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Ptilotus roei</i>	0.1	0.1
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Senna glaucifolia</i>	0.1	1.8
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida platycalyx</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Trianthema glossostigmum</i>	0.1	0.02
<i>Tribulus astrocarpus</i>	0.1	0.01

* denotes weed species

Site: RQ188

Type: Quadrat

Date: 17/10/2019, 26/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 744689 Northing: 7435884

Habitat: Clay plain

Soil: reddish brown crabhole/self-mulching, surface crust, sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall shrubland over *Chrysopogon fallax* and *Aristida latifolia* very open tussock grassland with *Enneapogon polyphyllus*, *Urochloa occidentalis* var. *occidentalis* and *Iseilema vaginiflorum* open annual grassland over *Arivela viscosa* scattered

Veg Condition: Very Good

Fire Age: 5-10 years

Notes: See R.L. Barrett et al. in Syst.Bot. 42:705 (2017)



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	15	6
<i>Enneapogon polyphyllus</i>	10	0.5
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	7	0.4
<i>Iseilema vaginiflorum</i>	5	0.5
<i>Chrysopogon fallax</i>	3	0.8
<i>Aristida latifolia</i>	0.5	0.8
<i>Arivela viscosa</i>	0.5	0.8
<i>Aristida contorta</i>	0.1	0.3
<i>Austrobryonia pilbarensis</i>	0.1	0
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia repleta</i>	0.1	0
<i>Boerhavia schomburgkiana</i>	0.1	0.1
<i>Calotis plumulifera</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0
<i>Cynodon convergens</i>	0.1	0.4

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Name	Cover (%)	Height (m)
<i>Dactyloctenium radulans</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	1.5
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.3
<i>Hibiscus burtonii</i>	0.1	0.1
<i>Ipomoea lonchophylla</i>	0.1	0
<i>Maireana villosa</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gomphrenoides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Ptilotus xerophilus</i>	0.1	0.4
<i>Rhagodia eremaea</i>	0.1	1.2
<i>Rhynchosia minima</i>	0.1	0
<i>Senna notabilis</i>	0.1	0.6
<i>Sida fibulifera</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Synostemon rhytidospermus</i>	0.1	0.2
* <i>Tribulus terrestris</i>	0.1	0.1
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ189**Type:** Quadrat**Date:** 17/10/2019, 19/03/2021**Described by:** SS / CM / BL / EL**MGA zone:** 50K**Easting:** 722598 **Northing:** 7431519**Habitat:** Minor drainage**Soil:** reddish brown sandy loam**Rock type:** Ironstone

Vegetation: *Corymbia hamersleyana* scattered low trees over *Acacia aptaneura*, *A. rhodophloia* and *Grevillea berryana* tall open shrubland over *Androcalva luteiflora* and *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* and *T. melvillei* very open hummock grassland with *Themeda triandra*, *Paraneurachne muelleri* and *Eriachne mucronata* very open tussock grassland

Veg Condition: Very Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	3	5
<i>Themeda triandra</i>	3	0.9
<i>Triodia pungens</i>	3	0.4
<i>Paraneurachne muelleri</i>	2	0.3
<i>Corymbia hamersleyana</i>	1.5	6
<i>Acacia rhodophloia</i>	1	2.5
<i>Triodia melvillei</i>	1	0.4
<i>Androcalva luteiflora</i>	0.5	1.6
<i>Chrysopogon fallax</i>	0.5	0.8
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.5
<i>Eriachne mucronata</i>	0.5	0.3
<i>Grevillea berryana</i>	0.5	5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.2	1.1
<i>Abutilon cunninghamii</i>	0.1	0.6
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia aneura</i>	0.1	2.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	3

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Name	Cover (%)	Height (m)
<i>Acacia maitlandii</i>	0.1	2.5
<i>Acacia monticola</i>	0.1	4.5
<i>Acacia pruinocarpa</i>	0.1	3.5
<i>Acacia sibirica</i>	0.1	2.5
<i>Acacia tetragonophylla</i>	0.1	3
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Anthobolus leptomerioides</i>	0.1	0.7
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida ingrata</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.5
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cucumis variabilis</i>	0.1	2.5
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Cynanchum pedunculatum</i>	0.1	0.5
<i>Digitaria brownii</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	1.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	2.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.15
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gossypium robinsonii</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.3
<i>Indigofera gilesii</i> P3	0.1	0.1
<i>Paspalidium clementii</i>	0.1	0.2
<i>Paspalidium rarum</i>	0.1	0.2
<i>Peripleura virgata</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus clementii</i>	0.1	0.7
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Rhynchosia minima</i>	0.1	0.4
<i>Santalum lanceolatum</i>	0.1	3.8
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.5
<i>Senna glaucifolia</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.2
<i>Senna notabilis</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Sida</i> ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.4
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	1.6

* denotes weed species

? denotes unconfirmed ID

Site: RQ191

Type: Quadrat

Date: 17/10/2019, 21/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 732872 **Northing:** 7433531

Habitat: Clay plain

Soil: reddish brown crabhole/self-mulching, light clay

Rock type: Ironstone

Vegetation: *Astrebla elymoides* (*Panicum laevinode* and *Aristida latifolia*) tussock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	15	0.4
<i>Panicum laevinode</i>	3	0.8
<i>Arivela viscosa</i>	0.4	0.1
<i>Abutilon malvifolium</i>	0.1	0.05
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Aristida latifolia</i>	0.1	0.9
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia paludosa</i>	0.1	0.05
<i>Chrysopogon fallax</i>	0.1	0.6
<i>Commelina ensifolia</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.2
<i>Cucumis variabilis</i>	0.1	0.05
<i>Cullen graveolens</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	0.1	0.5
<i>Digitaria brownii</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Eriachne flaccida</i>	0.1	0.6
<i>Eucalyptus xerothermica</i>	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Euphorbia drummondii</i>	0.1	0.2
<i>Glycine falcata</i> P3	0.1	0.05
<i>Grona filiformis</i>	0.1	0.05
<i>Hibiscus verdcourtii</i>	0.1	0.8
<i>Indigofera linifolia</i>	0.1	0.2
<i>Ipomoea lonchophylla</i>	0.1	0.1
<i>Ischaemum albobillosum</i>	0.1	0.6
<i>Iseilema vaginiflorum</i>	0.1	0.6
<i>Neptunia dimorphantha</i>	0.1	0.1
<i>Operculina aequisepala</i>	0.1	0.15
<i>Portulaca oleracea</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Rhynchosia minima</i>	0.1	0.05
<i>Sida fibulifera</i>	0.1	0.05
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	0.1	0.4
<i>Solanum</i> sp.	0.1	0.1
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1	0.3

* denotes weed species

Site: RQ192

Type: Quadrat

Date: 17/10/2019, 23/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 734834 Northing: 7438337

Habitat: Clay plain

Soil: reddish brown crabhole/self-mulching, sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Rhagodia eremaea* low open shrubland over *Aristida latifolia* and *A. ingrata* very open tussock grassland with *Iseilema vaginiflorum* and *Urochloa occidentalis* var. *occidentalis* open annual grassland over **Bidens bipinnata* scattered herbs with *Cucumis melo* scattered vines

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Iseilema vaginiflorum</i>	20	0.6
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	12	0.5
<i>Rhagodia eremaea</i>	4	0.8
<i>Aristida latifolia</i>	3	1.3
<i>Acacia aptaneura</i>	2.5	6
<i>Aristida ingrata</i>	2	0.7
* <i>Bidens bipinnata</i>	1	0.6
<i>Cucumis melo</i>	1	0
<i>Abutilon malvifolium</i>	0.1	0.1
<i>Arivela viscosa</i>	0.1	0.6
<i>Astrebla elymoides</i>	0.1	0.8
* <i>Chloris virgata</i>	0.1	1
<i>Chrysopogon fallax</i>	0.1	1
<i>Convolvulus clementii</i>	0.1	0.1
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.5
<i>Eragrostis setifolia</i>	0.1	0.5
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Eriachne flaccida</i>	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Ipomoea lonchophylla</i>	0.1	0
<i>Maireana villosa</i>	0.1	0.5
<i>Marsilea</i> ? <i>hirsuta</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.1
<i>Ptilotus xerophilus</i>	0.1	0.4
<i>Salsola australis</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>petiolaris</i>	0.1	1.5
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0
<i>Austrobryonia pilbarensis</i>	0	0

* denotes weed species

? denotes unconfirmed ID

Site: RQ211

Type: Quadrat

Date: 11/11/2019, 25/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 730302 Northing: 7445088

Habitat: Minor creek

Soil: dark reddish brown hardsetting, loose, sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* open woodland over *Petalostylis labicheoides*, *Acacia maitlandii* and *Androcalva luteiflora* tall shrubland over *Senna artemisioides* subsp. *x artemisioides* scattered shrubs over *Triodia pungens* very open hummock grassland.

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	15	0.7
<i>Petalostylis labicheoides</i>	10	4
<i>Triodia pungens</i>	8	1
<i>Eriachne tenuiculmis</i>	6	0.8
<i>Eucalyptus xerothermica</i>	6	12
<i>Acacia maitlandii</i>	5	2.4
<i>Androcalva luteiflora</i>	3	2.1
<i>Paraneurachne muelleri</i>	1	0.3
<i>Acacia aptaneura</i>	0.5	2.5
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.5	2.5
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.5	1.3
<i>Abutilon amplum</i>	0.1	0.4
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	0.4
<i>Acacia pruinocarpa</i>	0.1	1.5
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Alternanthera nana</i>	0.1	0.1
<i>Arivela viscosa</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>*Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Chrysopogon fallax</i>	0.1	1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Corchorus tridens</i>	0.1	0.02
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>	0.1	0.4
<i>Cucumis variabilis</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.6
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.15
<i>Dodonaea petiolaris</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	1
<i>Enneapogon lindleyanus</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis tenellula</i>	0.1	0.2
<i>Eremophila longifolia</i>	0.1	0.5
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.2
<i>Eulalia aurea</i>	0.1	0.4
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.3
<i>Goodenia stellata</i>	0.1	0.1
<i>Gossypium robinsonii</i>	0.1	1.9
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>	0.1	1
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Indigofera georgei</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.5
<i>Isotropis iophyta</i>	0.1	1.1
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	3
<i>*Malvastrum americanum</i>	0.1	0.4
<i>Peripleura arida</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus astrolasius</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1
<i>Rhynchosia minima</i>	0.1	0.3
<i>Salsola australis</i>	0.1	0.3
<i>Santalum lanceolatum</i>	0.1	1.3
<i>Scaevola amblyanthera</i> var. <i>centralis</i>	0.1	0.15
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	1.3
<i>Senna notabilis</i>	0.1	0.1
<i>Seringia exastia</i>	0.1	0.5
<i>Setaria surgens</i>	0.1	0.2
<i>Sida ?fibulifera</i>	0.1	0.1
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.7
<i>Solanum horridum</i>	0.1	0.05

Name	Cover (%)	Height (m)
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.7
<i>Triodia wiseana</i>	0.1	0.5

* denotes weed species

? denotes unconfirmed ID

Site: RQ212

Type: Quadrat

Date: 11/11/2019, 25/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 733945 Northing: 7444806

Habitat: Plain

Soil: reddish brown sandy clay

Rock type: Ironstone

Vegetation: *Corymbia candida* open woodland over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *Psyrdrax latifolia* tall shrubland over *Sida ectogama* and *Ptilotus obovatus* shrubland over *Triodia melvillei* scattered hummock grasses.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	13	7
<i>Sida ectogama</i>	12	1.6
<i>Acacia aptaneura</i>	10	6
<i>Corymbia candida</i>	3	15
<i>Triodia melvillei</i>	1	0.4
<i>Psyrdrax latifolia</i>	0.5	2.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	1.1
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Acacia ayersiana</i>	0.1	2.5
<i>Acacia pruinocarpa</i>	0.1	4
<i>Amaranthus cuspidifolius</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.4
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2

Name	Cover (%)	Height (m)
* <i>Chloris virgata</i>	0.1	0.5
<i>Commelina ensifolia</i>	0.1	0.1
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	1.4
<i>Dysphania</i> sp.	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Enneapogon robustissimus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eremophila lanceolata</i>	0.1	0.4
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	2.3
<i>Eriachne mucronata</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	3.2
<i>Hibiscus burtonii</i>	0.1	0.9
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Maireana villosa</i>	0.1	0.4
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	1.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Senna notabilis</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Thyridolepis xerophila</i>	0.1	0.4

* denotes weed species

Site: RQ213

Type: Quadrat

Date: 11/11/2019, 25/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 730846 Northing: 7444171

Habitat: Hillcrest

Soil: dark reddish brown sandy loam

Rock type: Ironstone

Vegetation: *Eucalyptus gamophylla* and *E. repullulans* low open mallee woodland over *Acacia ancistrocarpa*, *A. aptaneura* and *A. incurvaneura* tall open shrubland over *A. bivenosa* scattered shrubs over *Triodia vanleeuwenii* (*T. pungens*) hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.5
<i>Triodia pungens</i>	4	0.7
<i>Acacia ancistrocarpa</i>	3	2.2
<i>Acacia aptaneura</i>	2	3.5
<i>Eucalyptus gamophylla</i>	2	5.5
<i>Acacia rhodophloia</i>	1.5	3
<i>Acacia bivenosa</i>	1	1.9
<i>Acacia incurvaneura</i>	1	3.5
<i>Eucalyptus repullulans</i>	0.5	3.9
<i>Hakea chordophylla</i>	0.5	3.9
<i>Acacia ayersiana</i>	0.1	2.3
<i>Acacia marramamba</i>	0.1	1.5
<i>Acacia pruinocarpa</i>	0.1	2.7
<i>Acacia sibirica</i>	0.1	1.1
<i>Acacia tenuissima</i>	0.1	2.1
<i>Aristida ?inaequiglumis</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.2
<i>Capparis lasiantha</i>	0.1	1

Name	Cover (%)	Height (m)
<i>Codonocarpus cotinifolius</i>	0.1	3.8
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4.5
<i>Corymbia hamersleyana</i>	0.1	3
<i>Enneapogon polyphyllus</i>	0.1	0.15
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.8
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3.5
<i>Indigofera monophylla</i>	0.1	0.7
<i>Paspalidium clementii</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1.2
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.1
<i>Senna ferraria</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.9
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.4

? denotes unconfirmed ID

Site: RQ214

Type: Quadrat

Date: 11/11/2019, 25/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 734718 Northing: 7445770

Habitat: Plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* (*A. ayersiana*) tall shrubland over *Sida ectogama* scattered shrubs over *Maireana villosa* scattered low shrubs over *Triodia melvillei* very open hummock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	25	7
<i>Acacia ayersiana</i>	3	4.5
<i>Triodia melvillei</i>	2	1
<i>Maireana villosa</i>	0.5	0.5
<i>Sida ectogama</i>	0.5	1.3
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia pachyacra</i>	0.1	2.8
<i>Acacia pruinocarpa</i>	0.1	1.9
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	1
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.6
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia gardneri</i>	0.1	0.1
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Codonocarpus cotinifolius</i>	0.1	0.9
<i>Commelina ensifolia</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Digitaria ammophila</i>	0.1	0.3
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.6
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.3
<i>Eriachne helmsii</i>	0.1	0.6
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	1.9
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Isolepis</i> sp.	0.1	0.05
<i>Panicum effusum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.7
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.4
<i>Psyrax suaveolens</i>	0.1	2.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.2

* denotes weed species

Site: RQ215

Type: Quadrat

Date: 12/11/2019, 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 732137 **Northing:** 7442887

Habitat: Hillslope

Soil: dark reddish brown sandy loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* scattered low trees over *Hakea chordophylla* scattered tall shrubs over *Acacia arida* shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	27	0.4
<i>Acacia arida</i>	18	1.5
<i>Triodia pungens</i>	5	0.7
<i>Corymbia hamersleyana</i>	0.5	4
<i>Hakea chordophylla</i>	0.5	3.5
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia hamersleyensis</i>	0.1	1.5
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.5
<i>Codonocarpus cotinifolius</i>	0.1	1.3
<i>Eriachne lanata</i>	0.1	0.6
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3
<i>Gompholobium oreophilum</i>	0.1	0.7
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Schizachyrium fragile</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.9
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.5
<i>Seringia exastia</i>	0.1	0.4
<i>Sida cardiophylla</i>	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.1
<i>Trianthema glossostigmum</i>	0.1	0.1

Site: RQ216

Type: Quadrat

Date: 11/11/2019, 24/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 737398 Northing: 7444060

Habitat: Plain

Soil: brown clay loam

Rock type: Calcrete

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* low open mallee woodland over *Acacia pruinocarpa* and *Anthobolus leptomerioides* scattered tall shrubs over *Triodia wiseana* hummock grassland over *Ptilotus clementii* scattered herbs.

Veg Condition: Very Good

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	35	0.6
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	10	5
<i>Ptilotus clementii</i>	1	0.5
<i>Acacia pruinocarpa</i>	0.5	4
<i>Anthobolus leptomerioides</i>	0.5	2.9
<i>Abutilon cunninghamii</i>	0.1	0.9
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia aptaneura</i>	0.1	5
<i>Acacia pachyacra</i>	0.1	1.5
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	0.6
<i>Aristida contorta</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Codonocarpus cotinifolius</i>	0.1	1.6
<i>Corchorus</i> sp.	0.1	0.2
<i>Enneapogon caeruleus</i>	0.1	0.1
<i>Enneapogon lindleyanus</i>	0.1	0.5
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Euphorbia vaccaria</i> var. <i>vaccaria</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Glycine canescens</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.8
<i>Hibiscus coatesii</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rutidosis helichrysoides</i> subsp. <i>helichrysoides</i>	0.1	0.3
<i>Scaevola amblyanthera</i> var. <i>centralis</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.7
<i>Sida fibulifera</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.2

* denotes weed species

Site: RQ217

Type: Quadrat

Date: 12/11/2019, 26/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 732008 Northing: 7443963

Habitat: Stony clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis*, *A. pruinocarpa* tall shrubland over *Triodia melvillei* very open hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	9	8
<i>Triodia melvillei</i>	8	0.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	7	6.5
<i>Acacia pruinocarpa</i>	3	8
<i>Amyema hilliania</i>	0.1	0.1
<i>Aristida obscura</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.05
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Digitaria ammophila</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eremophila clarkei</i>	0.1	1.3
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>	0.1	0.9
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	2.1
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.15
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia drummondii</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Hibiscus burtonii</i>	0.1	0.6
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Maireana villosa</i>	0.1	0.15
<i>Paraneurachne muelleri</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Polygala</i> sp.	0.1	0.05
<i>Psyrax suaveolens</i>	0.1	1.1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2
<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)	0.1	0.4
<i>Teucrium teucriiflorum</i>	0.1	0.4
<i>Thyridolepis xerophila</i>	0.1	0.25
<i>Triodia wiseana</i>	0.1	0.4
<i>Vincetoxicum lineare</i>	0.1	0.4

* denotes weed species

Site: RQ218 **Type:** Quadrat
Date: 11/11/2019, 25/04/2021 **Described by:** RD / JA / HP / CM
MGA zone: 50K **Easting:** 735635 **Northing:** 7445195
Habitat: Major drainage
Soil: dark reddish brown clay loam
Vegetation: *Eucalyptus xerothermica* low open woodland over *Eremophila longifolia*, *Acacia dictyophleba* and *Petalostylis labicheoides* tall open shrubland over *Androcalva luteiflora* and *Senna artemisioides* subsp. x *artemisioides* scattered shrubs over *Triodia longiceps* and *T. wiseana* very open hummock grassland over *Themeda triandra*, *Eulalia aurea* and *Aristida lazaridis* tussock grassland.
Veg Condition: Very Good
Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	30	0.7
<i>Eulalia aurea</i>	15	0.5
<i>Eucalyptus xerothermica</i>	7	9
<i>Eremophila longifolia</i>	4	3
<i>Acacia dictyophleba</i>	2	4
<i>Triodia longiceps</i>	1.5	0.4
<i>Petalostylis labicheoides</i>	1	3
<i>Triodia wiseana</i>	1	0.9
<i>Androcalva luteiflora</i>	0.5	1.9
<i>Aristida lazaridis</i> P2	0.5	0.6
<i>Digitaria ctenantha</i>	0.5	0.2
<i>Enneapogon polyphyllus</i>	0.5	0.4
<i>Enneapogon robustissimus</i>	0.5	0.3
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>	0.5	1.8
<i>Abutilon ?amplum</i>	0.1	0.4
<i>Abutilon cryptopetalum</i>	0.1	0.4
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia aptaneura</i>	0.1	3

Name	Cover (%)	Height (m)
<i>Acacia maitlandii</i>	0.1	2.4
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.8
<i>Acacia subtiliformis</i> P3	0.1	0.4
<i>Alternanthera nana</i>	0.1	0.2
<i>Anthobolus leptomerioides</i>	0.1	1.5
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Bonamia pilbarensis</i>	0.1	0.1
<i>Calocephalus pilbarensis</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	0.5
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	0.8
<i>Commelina ensifolia</i>	0.1	0.3
<i>Convolvulus remotus</i>	0.1	1.2
<i>Corymbia candida</i>	0.1	5
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>	0.1	0.3
<i>Cucumis variabilis</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.8
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	0.3
<i>Eragrostis tenellula</i>	0.1	0.4
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Glycine canescens</i>	0.1	0.2
<i>Goodenia stellata</i>	0.1	0.1
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>	0.1	1.6
<i>Hakea chordophylla</i>	0.1	0.4
<i>Indigofera georgei</i>	0.1	0.3
<i>Isotropis iophyta</i>	0.1	0.5
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.4
* <i>Malvastrum americanum</i>	0.1	0.5
<i>Notoleptopus decaisnei</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.4
<i>Polymeria ambigua</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus xerophilus</i>	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.2
<i>Santalum lanceolatum</i>	0.1	1.9

Name	Cover (%)	Height (m)
<i>Scaevola amblyanthera</i> var. <i>centralis</i>	0.1	0.2
<i>Sclerolaena cornishiana</i>	0.1	0.2
<i>Setaria dielsii</i>	0.1	0.3
<i>Setaria surgens</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Stemodia grossa</i>	0.1	0.3
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.6
* <i>Vachellia farnesiana</i>	0.1	4
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

? denotes unconfirmed ID

Site: RQ219

Type: Quadrat

Date: 12/11/2019, 23/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 732346 **Northing:** 7441274

Habitat: Hillcrest

Soil: reddish brown sandy loam

Rock type: Quartz

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *E. socialis* subsp. *eucentrica* low open mallee woodland over *Acacia bivenosa* scattered tall shrubs over *Melaleuca eleuterostachya* scattered shrubs over *Triodia wiseana* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	40	0.8
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	5	3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	5
<i>Melaleuca eleuterostachya</i>	1	1.7
<i>Acacia bivenosa</i>	0.5	4
<i>Acacia pruinocarpa</i>	0.1	0.3
<i>Acacia synchronicia</i>	0.1	0.2
<i>Codonocarpus cotinifolius</i>	0.1	0.6
<i>Eragrostis desertorum</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.1

Site: RQ220**Type:** Quadrat**Date:** 12/11/2019, 25/05/2021**Described by:** KMc / RD / HP / CM**MGA zone:** 50K**Easting:** 736906 **Northing:** 7440762**Habitat:** Hillcrest**Soil:** reddish brown silty clay loam**Rock type:** Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia bivenosa* and *Senna glutinosa* subsp. *x luerssenii* scattered shrubs over *Ptilotus rotundifolius* scattered low shrubs over *Triodia vanleeuwenii* (*T. wiseana* and *T. pungens*) open hummock grassland.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.8
<i>Triodia wiseana</i>	1	0.8
<i>Acacia bivenosa</i>	0.5	1.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5.5
<i>Ptilotus rotundifolius</i>	0.5	1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.5	1.6
<i>Triodia pungens</i>	0.5	0.8
<i>Acacia aptaneura</i>	0.1	1.8
<i>Acacia pachyacra</i>	0.1	1.3
<i>Acacia sibirica</i>	0.1	1.2
<i>Acacia synchronicia</i>	0.1	0.3
<i>Acacia tetragonophylla</i>	0.1	1.6
<i>Amphipogon sericeus</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	0.7
<i>Aristida obscura</i>	0.1	0.2
<i>Codonocarpus cotinifolius</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	1.2

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Name	Cover (%)	Height (m)
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	1
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.6
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	1.4
<i>Eriachne lanata</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eulalia aurea</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.5
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	3.2
<i>Hibiscus</i> ? <i>coatesii</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Peripleura virgata</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus clementii</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.4
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1.2
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	2.2
<i>Senna stricta</i>	0.1	0.6
<i>Sida arenicola</i>	0.1	0.3
<i>Sida cardiophylla</i>	0.1	0.4
<i>Sida echinocarpa</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Themeda triandra</i>	0.1	0.3

? denotes unconfirmed ID

Site: RQ222

Type: Quadrat

Date: 12/11/2019, 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 734665 Northing: 7441003

Habitat: Hillslope

Soil: brown silty clay loam

Rock type: Calcrete, Ironstone, Quartz

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* scattered low mallees over *Santalum lanceolatum* scattered tall shrubs over *Melaleuca eleuterostachya* open shrubland over *Triodia wiseana* hummock grassland.

Veg Condition: Excellent

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	40	0.7
<i>Melaleuca eleuterostachya</i>	7	1.2
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	1	4.3
<i>Abutilon cunninghamii</i>	0.1	1.2
<i>Acacia bivenosa</i>	0.1	2.8
<i>Acacia sibirica</i>	0.1	1.5
<i>Acacia synchronicia</i>	0.1	1.3
<i>Acacia tetragonophylla</i>	0.1	1.1
<i>Anthobolus leptomerioides</i>	0.1	1.1
<i>Capparis lasiantha</i>	0.1	0.5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	0.8
<i>Cucumis variabilis</i>	0.1	1.3
<i>Cymbopogon ambiguus</i>	0.1	1
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	1.8
<i>Enneapogon caerulescens</i>	0.1	0.2
<i>Eragrostis eriopoda</i>	0.1	0.3
<i>Eremophila longifolia</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Eriachne mucronata</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Goodenia microptera</i>	0.1	0.3
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.1
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1
<i>Notoleptopus decaisnei</i> var. <i>decaisnei</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Pterocaulon sphacelatum</i>	0.1	0.2
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Santalum lanceolatum</i>	0.1	0.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.5
<i>Senna notabilis</i>	0.1	0.1
<i>Sida</i> ? <i>echinocarpa</i>	0.1	0.3
<i>Solanum horridum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.2
<i>Streptoglossa bubakii</i>	0.1	0.3
<i>Vincetoxicum lineare</i>	0.1	0.4

? denotes unconfirmed ID

Site: RQ224

Type: Quadrat

Date: 12/11/2019, 26/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 737464 Northing: 7445127

Habitat: Clay plain

Soil: reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* (and *Grevillea berryana*) tall open shrubland over *Perotis rara* scattered annual grasses over **Bidens bipinnata* scattered herbs with *Cheilanthes sieberi* scattered ferns

Veg Condition: Very Good**Fire Age:** No fire evident**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	45	9
<i>Grevillea berryana</i>	5	11
<i>Cheilanthes sieberi</i>	1	0.2
<i>*Bidens bipinnata</i>	0.5	0.4
<i>Perotis rara</i>	0.5	0.1
<i>Amaranthus undulatus</i>	0.1	0.3
<i>Areocleome oxalidea</i>	0.1	0.1
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	1.5
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.4
<i>Boerhavia gardneri</i>	0.1	0.2
<i>*Chloris virgata</i>	0.1	0.5
<i>Commelina ensifolia</i>	0.1	0.2
<i>Digitaria ammophila</i>	0.1	0.3
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Maireana villosa</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.3
Poaceae sp.	0.1	0.2
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psydrax suaveolens</i>	0.1	1.9
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.8
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Tribulus astrocarpus</i>	0.1	0.1

* denotes weed species

Site: RQ225

Type: Quadrat

Date: 13/11/2019, 26/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 736988 **Northing:** 7440056

Habitat: Hillcrest

Soil: reddish brown hardsetting, silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp *leucophloia* low open woodland over *Acacia aptaneura* and *A. catenulata* subsp *occidentalis* scattered tall shrubs over *Triodia vanleeuwenii* and *Triodia melvillei* hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	30	0.5
<i>Triodia melvillei</i>	6	1
<i>Acacia aptaneura</i>	2	3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia bivenosa</i>	0.1	3.3
<i>Acacia dictyophleba</i>	0.1	3
<i>Acacia pachyacra</i>	0.1	2.1
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Acacia sibirica</i>	0.1	1.9
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida ingrata</i>	0.1	0.5
<i>Capparis lasiantha</i>	0.1	2.8
<i>Chrysocephalum pterochaetum</i>	0.1	0.3
<i>Dodonaea coriacea</i>	0.1	0.7
<i>Duperreya commixta</i>	0.1	0.6
<i>Enneapogon polyphyllus</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.9
<i>Eriachne mucronata</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Grevillea berryana</i>	0.1	4
<i>Hakea chordophylla</i>	0.1	3.5
<i>Indigofera monophylla</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	2.2
<i>Senna stricta</i>	0.1	1.2
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.3

Site: RQ226

Type: Quadrat

Date: 13/11/2019, 13/05/2021

Described by: MM / LD / BL / RM

MGA zone: 50K

Easting: 733558 Northing: 7439989

Habitat: Hillslope

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *E. gamophylla* scattered low mallees over *Acacia arida* and *A. bivenosa* open shrubland over *A. spondylophylla* low open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.3
<i>Acacia spondylophylla</i>	8	0.8
<i>Acacia arida</i>	6	1.6
<i>Acacia bivenosa</i>	1	1.9
<i>Eucalyptus gamophylla</i>	1	4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	4.5
<i>Acacia pruinocarpa</i>	0.1	2.3
<i>Acacia sibirica</i>	0.1	2.1
<i>Acacia tetragonophylla</i>	0.1	1.4
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.1
<i>Aristida ingrata</i>	0.1	1.2
<i>Aristida obscura</i>	0.1	0.4
<i>Chrysocephalum pterochaetum</i>	0.1	0.4
<i>Clerodendrum floribundum</i> var. <i>floribundum</i>	0.1	1.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Digitaria ammophila</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.5
<i>Eremophila longifolia</i>	0.1	1.7
<i>Eriachne lanata</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.6
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	0.5
<i>Heliotropium inexplicitum</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.5
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.6
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus rotundifolius</i>	0.1	0.9
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna ferraria</i>	0.1	2.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.7
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.1
<i>Senna notabilis</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.5
<i>Solanum horridum</i>	0.1	0.3

Site: RQ227

Type: Quadrat

Date: 13/11/2019, 26/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 734778 Northing: 7439908

Habitat: Hillslope

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	32	0.4
<i>Triodia pungens</i>	12	0.6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	8
<i>Acacia aptaneura</i>	0.1	1.2
<i>Acacia bivenosa</i>	0.1	2.2
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	2.5
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Acacia tenuissima</i>	0.1	1.2
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Codonocarpus cotinifolius</i>	0.1	2.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.1
<i>Digitaria ammophila</i>	0.1	0.2
<i>Dolichocarpa crouchiana</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.3
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	1
<i>Eriachne mucronata</i>	0.1	0.2
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	2.4
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus rotundifolius</i>	0.1	0.7
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.2
<i>Senna glaucifolia</i>	0.1	0.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.5
<i>Senna stricta</i>	0.1	0.6
<i>Sida arenicola</i>	0.1	0.5
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Stemodia grossa</i>	0.1	0.05

Site: RQ231

Type: Quadrat

Date: 19/06/2020, 19/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 724301 **Northing:** 7431903

Habitat: Clay plain

Soil: dark reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus gamophylla* and *E. xerothematica* low open mallees over *Seringia exastia* low open heath over *Themeda triandra*, *Aristida inaequiglumis* and *Paraneurachne muelleri* open tussock grassland

Veg Condition: Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Seringia exastia</i>	25	0.6
<i>Themeda triandra</i>	20	0.8
<i>Aristida inaequiglumis</i>	3	0.7
<i>Eucalyptus gamophylla</i>	2	4
<i>Eucalyptus xerothematica</i>	2	8
<i>Paraneurachne muelleri</i>	0.5	0.5
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Acacia aneura</i>	0.1	2.5
<i>Acacia aptaneura</i>	0.1	3.5
<i>Acacia bivenosa</i>	0.1	2.3
<i>Acacia pachyacra</i>	0.1	1.4
<i>Acacia pruinocarpa</i>	0.1	3.5
<i>Androcalva luteiflora</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Bulbostylis barbata</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Codonocarpus cotinifolius</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0
<i>Digitaria ammophila</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	0
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Enteropogon ramosus</i>	0.1	0.5
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Eragrostis pergracilis</i>	0.1	0.1
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eremophila latrobei</i>	0.1	0.2
<i>Eriachne helmsii</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Euphorbia boophthona</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia connata</i>	0.1	0.2
<i>Goodenia microptera</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia prostrata</i>	0.1	0.1
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Haloragis gossei</i> var. <i>gossei</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Hibiscus leptocladus</i>	0.1	0.7
<i>Hibiscus sturtii</i>	0.1	0.1
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.1
* <i>Malvastrum americanum</i>	0.1	0.6
<i>Panicum decompositum</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Paspalidium rarum</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.2
<i>Phyllanthus erwinii</i>	0.1	0.2
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.2
<i>Ptilotus auriculifolius</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.7
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus fusiformis</i>	0.1	0.6
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Ptilotus polystachyus</i>	0.1	0.4
<i>Ptilotus roei</i>	0.1	0.1
<i>Ptilotus xerophilus</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5

Name	Cover (%)	Height (m)
<i>Salsola australis</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.2
<i>Senna pleurocarpa</i> var. <i>angustifolia</i>	0.1	1.2
<i>Setaria dielsii</i>	0.1	0.2
<i>Sida arenicola</i>	0.1	0.2
<i>Sida cardiophylla</i>	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum phlomoides</i>	0.1	0.1
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.3
<i>Streptoglossa bubakii</i>	0.1	0.2
<i>Teucrium teucriflorum</i>	0.1	1.3
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.2
<i>Tribulus hirsutus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.8
<i>Triodia melvillei</i>	0.1	0.6
<i>Vincetoxicum lineare</i>	0.1	0
<i>Yakirra australiensis</i> var. <i>australiensis</i>	0.1	0.1

* denotes weed species

Site: RQ233

Type: Quadrat

Date: 20/06/2020, 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 734904 Northing: 7441051

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Dolerite, Ironstone, Quartz

Vegetation: *Acacia inaequilatera* scattered tall shrubs over *Senna artemisioides* subsp. *oligophylla* scattered shrubs over *Triodia wiseana* hummock grassland with *Eragrostis eriopoda* scattered tussock grasses with *Enneapogon caeruleus* scattered annual grasses.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	55	1.2
<i>Enneapogon caeruleus</i>	2	0.2
<i>Eragrostis eriopoda</i>	2	0.5
<i>Acacia inaequilatera</i>	0.5	2.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.5	1.1
<i>Acacia bivenosa</i>	0.1	2
<i>Acacia tenuissima</i>	0.1	0.7
<i>Aristida contorta</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.3
<i>Cucumis variabilis</i>	0.1	0
<i>Cymbopogon ambiguus</i>	0.1	1
<i>Duperreya commixta</i>	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eremophila longifolia</i>	0.1	1.5
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Goodenia microptera</i>	0.1	0.4
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.7
<i>Haloragis</i> sp.	0.1	0.1
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus sturtii</i>	0.1	0.1
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.1
<i>Notoleptopus decaisnei</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Pterocaulon sphacelatum</i>	0.1	0.1
<i>Ptilotus auriculifolius</i>	0.1	0.2
<i>Ptilotus clementii</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Salsola australis</i>	0.1	0.8
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.1
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.1
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.2
<i>Swainsona decurrens</i>	0.1	0.7
<i>Tribulus hirsutus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.2

Site: RQ234

Type: Quadrat

Date: 20/06/2020, 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 732343 Northing: 7443055

Habitat: Hillslope

Soil: red brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia arida* shrubland over *Triodia vanleeuwenii* (*T. wiseana*) closed hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	80	0.5
<i>Acacia arida</i>	28	1.3
<i>Triodia wiseana</i>	2	0.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia pruinocarpa</i>	0.1	0.3
<i>Acacia sibirica</i>	0.1	1.6
<i>Acacia tetragonophylla</i>	0.1	1.3
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Cassytha capillaris</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	1.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Corymbia hamersleyana</i>	0.1	1.3
<i>Dampiera candidans</i>	0.1	0.3
<i>Dolichocarpa crouchiana</i>	0.1	0.1
<i>Eriachne lanata</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Gompholobium oreophilum</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Hakea chordophylla</i>	0.1	2.4
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	0.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.5
<i>Seringia exastia</i>	0.1	0.4
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.5
<i>Stackhousia ?intermedia</i>	0.1	0.2
<i>Triodia pungens</i>	0.1	0.6

? denotes unconfirmed ID

Site: RQ235

Type: Quadrat

Date: 20/06/2020, 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 734820 Northing: 7442392

Habitat: Hillslope

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* scattered tall shrubs over *Acacia arida* open shrubland over *Triodia vanleeuwenii* hummock grassland.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.5
<i>Acacia arida</i>	5	1.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Hakea chordophylla</i>	0.5	4
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Calytrix carinata</i>	0.1	0.8
<i>Cassytha capillaris</i>	0.1	0.8
<i>Dolichocarpa crouchiana</i>	0.1	0.2
<i>Eriachne mucronata</i>	0.1	0.4
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus rotundifolius</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.9

Name	Cover (%)	Height (m)
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	2
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.4
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia wiseana</i>	0.1	0.5

Site: RQ236

Type: Quadrat

Date: 21/06/2020, 25/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 732433 **Northing:** 7445112

Habitat: Minor creek

Soil: red brown hardsetting, cracking (cracks of 5 mm or more), sandy clay

Rock type: Ironstone, Quartz

Vegetation: *Eucalyptus xerothermica* and *E. camaldulensis* subsp. *refulgens* open woodland over *Petalostylis labicheoides* and *Acacia aptaneura* tall open shrubland over *A. pyrifolia* var. *pyrifolia*, *Gossypium sturtianum* var. *sturtianum* and *Androcalva luteiflora* open shrubland over *Themeda triandra* (*Eriachne tenuiculmis* and *Eulalia aurea*) tussock grassland with *Sida fibulifera* scattered herbs.

Veg Condition: Very Good

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	40	1.2
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	3	1.5
<i>Eriachne tenuiculmis</i>	3	0.7
<i>Eucalyptus xerothermica</i>	3	15
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>	3	1.8
<i>Petalostylis labicheoides</i>	1.5	2.2
<i>Androcalva luteiflora</i>	1	1.3
<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i>	1	11
<i>Eulalia aurea</i>	1	1
<i>Acacia aptaneura</i>	0.5	6
<i>Eremophila longifolia</i>	0.5	1
<i>Abutilon amplum</i>	0.1	0.8
<i>Abutilon cryptopetalum</i>	0.1	0.4
<i>Abutilon cunninghamii</i>	0.1	0.1
<i>Abutilon macrum</i>	0.1	1
<i>Abutilon otocarpum</i>	0.1	0.5
<i>Acacia citrinoviridis</i>	0.1	1.5

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Name	Cover (%)	Height (m)
<i>Acacia maitlandii</i>	0.1	0.7
<i>Acrachne racemosa</i>	0.1	0.4
<i>Alternanthera angustifolia</i>	0.1	0.2
<i>Alternanthera nana</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.8
* <i>Bidens bipinnata</i>	0.1	0.8
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Cheilanthes sieberi</i>	0.1	0.3
<i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>	0.1	0.4
<i>Chrysopogon fallax</i>	0.1	1.3
<i>Convolvulus remotus</i>	0.1	0.1
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>	0.1	0.3
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cynodon convergens</i>	0.1	0.3
<i>Digitaria brownii</i>	0.1	0.6
<i>Digitaria ctenantha</i>	0.1	0.6
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.5
<i>Dodonaea petiolaris</i>	0.1	0.6
<i>Duperreya commixta</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Enneapogon robustissimus</i>	0.1	0.6
<i>Eragrostis cumingii</i>	0.1	0.3
<i>Eragrostis tenellula</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.2
<i>Euphorbia biconvexa</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Glycine canescens</i>	0.1	0.3
<i>Goodenia stellata</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	1.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.4
<i>Indigofera georgei</i>	0.1	0.5
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Isotropis iophyta</i>	0.1	0.5
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.2
* <i>Malvastrum americanum</i>	0.1	0.7
<i>Panicum decompositum</i>	0.1	0.5
<i>Paraneurachne muelleri</i>	0.1	0.6
<i>Paspalidium clementii</i>	0.1	0.2
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.7

Name	Cover (%)	Height (m)
<i>Rhynchosia minima</i>	0.1	0.1
<i>Santalum lanceolatum</i>	0.1	1.2
<i>Scaevola amblyanthera</i> var. <i>centralis</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.6
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.1
<i>Setaria dielsii</i>	0.1	0.3
<i>Setaria surgens</i>	0.1	0.4
<i>Sida</i> ? <i>clementii</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.4
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.7
<i>Triodia pungens</i>	0.1	0.5

* denotes weed species

? denotes unconfirmed ID

Site: RQ237

Type: Quadrat

Date: 21/06/2020, 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731345 Northing: 7441841

Habitat: Hillslope

Soil: brown silty clay

Rock type: Ironstone

Vegetation: *Eucalyptus repullulans* scattered low mallees over *Triodia wiseana* and *T. angusta* open hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	15	0.6
<i>Triodia angusta</i>	8	0.5
<i>Eucalyptus repullulans</i>	1	4
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Abutilon</i> sp.	0.1	0.1
<i>Acacia aptaneura</i>	0.1	0.7
<i>Acacia sibirica</i>	0.1	0.6
<i>Acacia tetragonophylla</i>	0.1	1.2
<i>Aristida contorta</i>	0.1	0.4
<i>Aristida nitidula</i>	0.1	0.5
<i>Dolichocarpa crouchiana</i>	0.1	0.1
<i>Enneapogon caerulescens</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	6
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	0.6
<i>Iseilema dolichotrichum</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Maireana melanocoma</i>	0.1	0.5
<i>Maireana triptera</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	7
<i>Senna notabilis</i>	0.1	0.1
<i>Sida arenicola</i>	0.1	0.5
<i>Sida cardiophylla</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Sporobolus australasicus</i>	0.1	0.1

Site: RQ238

Type: Quadrat

Date: 22/06/2020, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 737471 Northing: 7438214

Habitat: Hillslope

Soil: red brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia bivenosa* scattered shrubs over *Triodia pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: 0-2 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	50	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	6
<i>Acacia bivenosa</i>	0.5	1.6
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)	0.1	0.1
<i>Acacia synchronicia</i>	0.1	0.7
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	1.4
<i>Eriachne mucronata</i>	0.1	0.5
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.2
<i>Panicum decompositum</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1
<i>Rhagodia eremaea</i>	0.1	0.8
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2

Name	Cover (%)	Height (m)
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Triodia brizoides</i>	0.1	0.4

Site: RQ239

Type: Quadrat

Date: 21/06/2020, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 732848 **Northing:** 7440879

Habitat: Hillslope

Soil: reddish brown silty clay

Rock type: Calcrete

Vegetation: *Eucalyptus repullulans* and *E. socialis* subsp. *eucentrica* low open mallee woodland over *Triodia angusta* and *T. wiseana* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia angusta</i>	35	0.5
<i>Triodia wiseana</i>	25	0.6
<i>Eucalyptus repullulans</i>	3	3.8
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	1	4
<i>Abutilon cunninghamii</i>	0.1	0.5
<i>Acacia aptaneura</i>	0.1	3.5
<i>Acacia bivenosa</i>	0.1	3.5
<i>Acacia sibirica</i>	0.1	0.7
<i>Acacia synchronicia</i>	0.1	0.4
<i>Acacia tetragonophylla</i>	0.1	1.3
<i>Capparis lasiantha</i>	0.1	0.4
<i>Codonocarpus cotinifolius</i>	0.1	0.7
<i>Duperreya commixta</i>	0.1	0.1
<i>Enneapogon caerulescens</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.2
<i>Maireana melanocoma</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Maireana triptera</i>	0.1	0.3
<i>Melaleuca eleuterostachya</i>	0.1	1.3
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Pterocaulon sphacelatum</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.4
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Stemodia grossa</i>	0.1	0.3
<i>Streptoglossa</i> sp.	0.1	0.1

Site: RQ240

Type: Quadrat

Date: 22/06/2020, 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 743039 Northing: 7438980

Habitat: Pediment

Soil: red brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Triodia vanleeuwenii* open hummock grassland with *Eriachne lanata* scattered tussock grasses with *Fimbristylis simulans* scattered sedges.

Veg Condition: Excellent**Fire Age:** 0-2 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.4
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	5
<i>Eriachne lanata</i>	0.5	0.5
<i>Fimbristylis simulans</i>	0.5	0.1
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5
<i>Acacia adsurgens</i>	0.1	1
<i>Acacia ancistrocarpa</i>	0.1	1
<i>Acacia bivenosa</i>	0.1	1
<i>Acacia cowleana</i>	0.1	1.8
<i>Acacia inaequilatera</i>	0.1	1
<i>Acacia pachyacra</i>	0.1	0.6
<i>Acacia pruinocarpa</i>	0.1	2.6
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.7
<i>Cucumis variabilis</i>	0.1	0
<i>Cymbopogon ambiguus</i>	0.1	0.5

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Name	Cover (%)	Height (m)
<i>Duperreya commixta</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis eriopoda</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>dominii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.4
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	3
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>platychlamys</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.5
<i>Panicum decompositum</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Santalum lanceolatum</i>	0.1	1.6
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.1
<i>Senna ferraria</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.4
<i>Sida arenicola</i>	0.1	0.6
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Tephrosia oxalidea</i>	0.1	0.1
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.4
<i>Vincetoxicum lineare</i>	0.1	0

Site: RQ241**Type:** Quadrat**Date:** 22/06/2020, 26/05/2021**Described by:** KMc / RD / HP / CM**MGA zone:** 50K**Easting:** 741783 **Northing:** 7438876**Habitat:** Footslope**Soil:** reddish brown silty clay**Rock type:** Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* and *Acacia trudgeniana* scattered tall shrubs over *A. tenuissima* scattered shrubs over *Ptilotus rotundifolius* scattered low shrubs over *Triodia vanleeuwenii* open hummock grassland with *Fimbristylis simulans* very open sedgeland.

Veg Condition: Excellent**Fire Age:** 2-5 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.2
<i>Fimbristylis simulans</i>	5	0.1
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	1	4.5
<i>Hakea chordophylla</i>	1	4
<i>Acacia tenuissima</i>	0.5	1.6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	2.5
<i>Ptilotus rotundifolius</i>	0.5	0.9
<i>Acacia adsurgens</i>	0.1	1
<i>Acacia bivenosa</i>	0.1	0.8
<i>Acacia cowleana</i>	0.1	1
<i>Acacia trudgeniana</i>	0.1	0.3
<i>Amphipogon sericeus</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.3
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.3
<i>Codonocarpus cotinifolius</i>	0.1	1.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Dampiera candidans</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.8
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila longifolia</i>	0.1	0.4
<i>Eriachne lanata</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	1.1
<i>Heliotropium inexplicitum</i>	0.1	0.05
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.4
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.9
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.05
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.5
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.2
<i>Seringia</i> sp.	0.1	0.5
<i>Sida arenicola</i>	0.1	1.2
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Tephrosia oxalidea</i>	0.1	0.1

Site: RQ242

Type: Quadrat

Date: 22/06/2020, 27/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 745598 **Northing:** 7439029

Habitat: Minor creek

Soil: red brown sandy clay loam

Rock type: Granite, Ironstone, Quartz

Vegetation: *Corymbia hamersleyana* low open woodland over *Grevillea wickhamii* subsp. *hispidula*, *Santalum lanceolatum* and *Acacia pyrifolia* var. *pyrifolia* tall open shrubland over *Androcalva luteiflora*, *Acacia monticola* scattered shrubs over *Tephrosia rosea* var. *Fortes*

Veg Condition: Very Good

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Tephrosia rosea</i> var. <i>Fortescue creeks</i> (M.I.H. Brooker 2186)	40	0.8
<i>Corymbia hamersleyana</i>	6	7
<i>Themeda triandra</i>	5	1
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	2	2.5
<i>Santalum lanceolatum</i>	2	2.4
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	1	2.5
<i>Androcalva luteiflora</i>	1	1.4
<i>Setaria surgens</i>	1	0.5
<i>Acacia monticola</i>	0.5	1.5
<i>Eriachne obtusa</i>	0.5	0.5
<i>Gossypium robinsonii</i>	0.5	2.7
<i>Ptilotus fusiformis</i>	0.3	0.3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.6
<i>Abutilon macrum</i>	0.1	0.3
<i>Abutilon otocarpum</i>	0.1	0.5
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)	0.1	1
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.6
<i>Acacia aptaneura</i>	0.1	5

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Name	Cover (%)	Height (m)
<i>Acacia bivenosa</i>	0.1	0.7
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	4.5
<i>Acacia inaequilatera</i>	0.1	5
<i>Acacia maitlandii</i>	0.1	0.8
<i>Acacia pruinocarpa</i>	0.1	3
<i>Acacia sibirica</i>	0.1	0.6
<i>Afrohybanthus aurantiacus</i>	0.1	0.5
<i>Amphipogon sericeus</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.5
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Capparis lasiantha</i>	0.1	1.7
<i>Codonocarpus cotinifolius</i>	0.1	3
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.8
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>	0.1	0.3
<i>Cucumis melo</i>	0.1	0
<i>Cucumis variabilis</i>	0.1	0
<i>Cymbopogon ambiguus</i>	0.1	1.2
<i>Dampiera candidans</i>	0.1	0.5
<i>Digitaria brownii</i>	0.1	0.5
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.4
<i>Enneapogon lindleyanus</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.5
<i>Enneapogon robustissimus</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus gamophylla</i>	0.1	1.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Euphorbia trigonosperma</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	1.8
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	0.6
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Indigofera monophylla</i>	0.1	0.5
<i>Isotropis iophyta</i>	0.1	0.9
<i>Melhania oblongifolia</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.6
<i>Paspalidium clementii</i>	0.1	0.4
<i>Peripleura arida</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Petalostylis labicheoides</i>	0.1	3
<i>Phyllanthus erwinii</i>	0.1	0.2
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca intraterranea/oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.7
<i>Ptilotus clementii</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.8
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.7
<i>Rhynchosia minima</i>	0.1	0
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1
<i>Sida arenicola</i>	0.1	0.5
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Solanum phlomoides</i>	0.1	0.5
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Stemodia grossa</i>	0.1	0.2
<i>Streptoglossa decurrens</i>	0.1	0.5
<i>Tephrosia densa</i>	0.1	1.3
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.8
<i>Triodia pungens</i>	0.1	0.4
<i>Triodia vanleeuwenii</i>	0.1	0.3
<i>Waltheria virgata</i>	0.1	0.8

* denotes weed species

Site: RQ243

Type: Quadrat

Date: 22/06/2020, 27/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 748728 **Northing:** 7438675

Habitat: Pediment

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Acacia trudgeniana* and *Hakea chordophylla* scattered tall shrubs over *Triodia vanleeuwenii* open hummock grassland with *Fimbristylis simulans* scattered sedges.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.3
<i>Acacia trudgeniana</i>	0.5	2.5
<i>Fimbristylis simulans</i>	0.5	0.2
<i>Hakea chordophylla</i>	0.5	2.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia adsurgens</i>	0.1	0.5
<i>Acacia ancistrocarpa</i>	0.1	1.1
<i>Acacia aptaneura</i>	0.1	0.6
<i>Acacia dictyophleba</i>	0.1	0.3
<i>Acacia maitlandii</i>	0.1	0.6
<i>Acacia monticola</i>	0.1	0.5
<i>Acacia pruinocarpa</i>	0.1	0.5
<i>Acacia sibirica</i>	0.1	0.4
<i>Acacia tenuissima</i>	0.1	0.2
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Androcalva loxophylla</i>	0.1	0.5
<i>Aristida contorta</i>	0.1	0.3
<i>Codonocarpus cotinifolius</i>	0.1	3.5
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5

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Name	Cover (%)	Height (m)
<i>Dampiera candidans</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.1
<i>Eriachne mucronata</i>	0.1	0.4
<i>Euphorbia australis</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.4
<i>Heliotropium inexplicitum</i>	0.1	0.2
<i>Heliotropium pachyphyllum</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Ptilotus astrolasius</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.3
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	0.5
<i>Senna sericea</i>	0.1	0.6
<i>Sida arenicola</i>	0.1	0.1
<i>Sida</i> sp.	0.1	0.2
<i>Swainsona decurrens</i>	0.1	0.2
<i>Themeda triandra</i>	0.1	0.6
<i>Triodia pungens</i>	0.1	0.4
<i>Vincetoxicum lineare</i>	0.1	0.1

Site: RQ244

Type: Quadrat

Date: 23/06/2020, 24/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 755195 Northing: 7444627

Habitat: Minor drainage

Soil: reddish brown sandy clay

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* and *Corymbia hamersleyana* scattered low trees over *Acacia tumida* var. *pilbarensis*, *Grevillea wickhamii* subsp. *hispidula* and *Petalostylis labicheoides* tall shrubland over *Androcalva luteiflora* and *Acacia maitlandii* open shrubland over *Triodia pungens* very open hummock grassland with *Themeda triandra* and *Eulalia aurea* open tussock grassland with *Setaria surgens* and *Panicum effusum* scattered annual grasses with *Cheilanthes sieberi* subsp. *sieberi* scattered herbs.

Veg Condition: Very Good**Fire Age:** 2-5 years**Species List:**

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	20	1
<i>Triodia pungens</i>	9	0.4
<i>Acacia tumida</i> var. <i>pilbarensis</i>	8	2.5
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	6	4
<i>Petalostylis labicheoides</i>	4	2.3
<i>Androcalva luteiflora</i>	2	1.7
<i>Acacia citrinoviridis</i>	1	2.4
<i>Acacia maitlandii</i>	1	1.8
<i>Eulalia aurea</i>	1	0.6
<i>Panicum effusum</i>	1	0.4
<i>Setaria surgens</i>	1	0.5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.5	0.2
<i>Corymbia hamersleyana</i>	0.5	5
<i>Eucalyptus victrix</i>	0.5	6
<i>Abutilon cunninghamii</i>	0.1	0.4
<i>Abutilon macrum</i>	0.1	0.7

Name	Cover (%)	Height (m)
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.2
<i>Acacia ancistrocarpa</i>	0.1	1.4
<i>Acacia bivenosa</i>	0.1	1.2
<i>Acacia monticola</i>	0.1	2.5
<i>Acacia tetragonophylla</i>	0.1	0.2
<i>Afrohybanthus aurantiacus</i>	0.1	0.4
<i>Alternanthera denticulata</i>	0.1	0.3
<i>Alternanthera nana</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.7
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Bonamia erecta</i>	0.1	0.4
<i>Bothriochloa ewartiana</i>	0.1	1.5
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Bulbostylis turbinata</i>	0.1	0.2
* <i>Cenchrus ciliaris</i>	0.1	0.7
<i>Centipeda minima</i> subsp. <i>macrocephala</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.2
<i>Cyperus pulchellus</i>	0.1	0.1
<i>Cyperus squarrosus</i>	0.1	0.1
<i>Digitaria brownii</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	0.8
<i>Dodonaea petiolaris</i>	0.1	1.6
<i>Duperreya commixta</i>	0.1	0.6
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.2
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Eragrostis tenellula</i>	0.1	0.3
<i>Eriachne aristidea</i>	0.1	0.2
<i>Eriachne mucronata</i>	0.1	0.6
<i>Eriachne tenuiculmis</i>	0.1	0.5
<i>Eucalyptus gamophylla</i>	0.1	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	4
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	0.1	3.5
<i>Eucalyptus xerothermica</i>	0.1	2.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Euphorbia drummondii</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis microcarya</i>	0.1	0.2
<i>Gastrolobium grandiflorum</i>	0.1	2.2
<i>Glycine canescens</i>	0.1	0.6
<i>Goodenia microptera</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.3

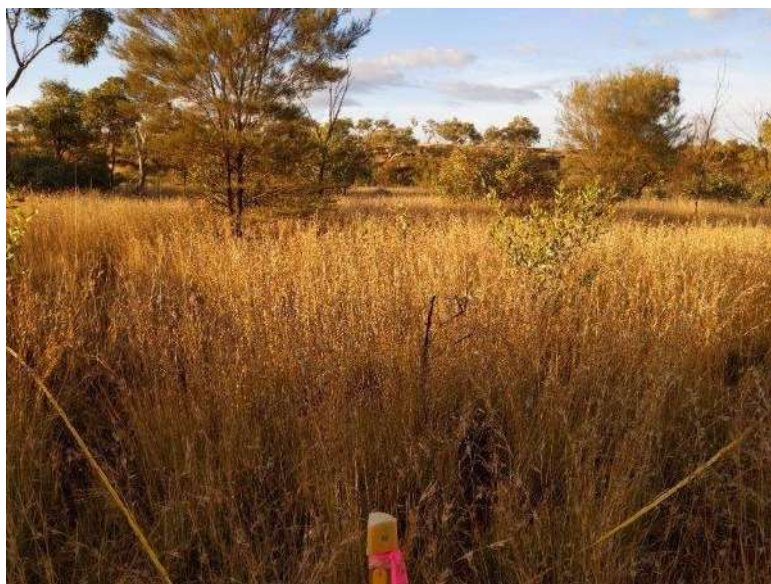
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Name	Cover (%)	Height (m)
<i>Gossypium robinsonii</i>	0.1	3.2
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>	0.1	1.6
<i>Haloragis gossei</i> var. <i>gossei</i>	0.1	0.3
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.4
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera georgei</i>	0.1	0.9
<i>Indigofera monophylla</i>	0.1	0.4
<i>Isotropis iophyta</i>	0.1	0.6
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.1
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.2
<i>Paspalidium rarum</i>	0.1	0.2
<i>Peplidium maritimum</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus erwinii</i>	0.1	0.1
<i>Pluchea dentex</i>	0.1	0.3
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Polymeria ambigua</i>	0.1	0.1
<i>Portulaca intraterranea/oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.5
<i>Pterocaulon sphacelatum</i>	0.1	0.8
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Rhynchosia minima</i>	0.1	0
<i>Rutidosia helichrysoides</i> subsp. <i>helichrysoides</i>	0.1	0.4
<i>Santalum lanceolatum</i>	0.1	1.7
<i>Scaevola amblyanthera</i> var. <i>centralis</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	1.1
<i>Senna ferraria</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.3
<i>Senna notabilis</i>	0.1	0.2
<i>Sida cardiophylla</i>	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.3
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.6
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Streptoglossa bubakii</i>	0.1	0.2
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.2
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	1
<i>Tripogonella loliiformis</i>	0.1	0.1
<i>Vincetoxicum lineare</i>	0.1	1.2

* denotes weed species

Site: RQ245**Type:** Quadrat**Date:** 23/06/2020, 27/05/2021**Described by:** KMc / RD / HP / CM**MGA zone:** 50K**Easting:** 750193 **Northing:** 7437571**Habitat:** Minor drainage**Soil:** brown loam**Rock type:** Ironstone

Vegetation: *Eucalyptus xerothermica* low open woodland over *Acacia aptaneura* and *A. dictyophleba* scattered tall shrubs over *Indigofera georgei* and *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Themeda triandra* (*Eulalia aurea* and *Eriachne mucronata*) closed tussock grassland over *Dipteracanthus australasicus* subsp. *australasicus* and *Goodenia stellata* very open herbland.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	85	1.2
<i>Eucalyptus xerothermica</i>	5	6.5
<i>Eulalia aurea</i>	4	0.6
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	2	0.4
<i>Acacia aptaneura</i>	1	4
<i>Arivela viscosa</i>	1	0.5
<i>Bothriochloa ewartiana</i>	1	1.1
<i>Chrysopogon fallax</i>	1	1.3
<i>Eriachne mucronata</i>	1	0.4
<i>Goodenia stellata</i>	1	0.1
<i>Acacia dictyophleba</i>	0.5	2.1
<i>Digitaria ctenantha</i>	0.5	0.4
<i>Enneapogon polyphyllus</i>	0.5	0.3
<i>Indigofera georgei</i>	0.5	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.5
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.3
<i>Abutilon otocarpum</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Acacia adsurgens</i>	0.1	0.3
<i>Acacia ancistrocarpa</i>	0.1	1.5
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia tenuissima</i>	0.1	1.9
<i>Acrachne racemosa</i>	0.1	0.4
<i>Afrohybanthus aurantiacus</i>	0.1	0.4
<i>Alternanthera nana</i>	0.1	0.3
<i>Androcalva luteiflora</i>	0.1	1.8
<i>Aristida inaequiglumis</i>	0.1	1.3
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Bonamia erecta</i>	0.1	0.4
<i>Capparis lasiantha</i>	0.1	1.3
<i>Convolvulus clementii</i>	0.1	1.4
<i>Corchorus tridens</i>	0.1	0.1
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	2.8
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>	0.1	0.4
<i>Cucumis variabilis</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Digitaria ammophila</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	1.2
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.4
<i>Enneapogon caeruleus</i>	0.1	0.3
<i>Enneapogon lindleyanus</i>	0.1	0.6
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eremophila longifolia</i>	0.1	0.8
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus gamophylla</i>	0.1	4
<i>Euphorbia trigonosperma</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
* <i>Flaveria trinervia</i>	0.1	0.4
<i>Gastrolobium grandiflorum</i>	0.1	1.7
<i>Glycine canescens</i>	0.1	0.6
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Haloragis gossei</i> var. <i>gossei</i>	0.1	0.3
<i>Haloragis</i> sp.	0.1	0.1
<i>Heliotropium cunninghamii</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.3
<i>Iseilema membranaceum</i>	0.1	0.2
* <i>Malvastrum americanum</i>	0.1	0.7
<i>Melhantha oblongifolia</i>	0.1	0.2
<i>Panicum decompositum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Pterocaulon sphacelatum</i>	0.1	1
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus polystachyus</i>	0.1	0.3
<i>Ptilotus xerophilus</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.5
<i>Rhynchosia minima</i>	0.1	0.4
<i>Rutidosia helichrysoides</i> subsp. <i>helichrysoides</i>	0.1	0.4
<i>Santalum lanceolatum</i>	0.1	1.5
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.5
<i>Senna notabilis</i>	0.1	0.4
<i>Setaria surgens</i>	0.1	0.2
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	1.2
<i>Triodia pungens</i>	0.1	0.4
<i>Triraphis mollis</i>	0.1	0.6
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.4

* denotes weed species

Site: RQ246

Type: Quadrat

Date: 24/06/2020, 23/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 753743 **Northing:** 7445116

Habitat: Hillcrest

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* and *Acacia pruinocarpa* scattered tall shrubs over *Triodia vanleeuwenii* open hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	30	0.6
<i>Acacia pruinocarpa</i>	0.5	2.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Hakea chordophylla</i>	0.5	3.2
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia bivenosa</i>	0.1	1.2
<i>Acacia sibirica</i>	0.1	1.7
<i>Acacia tetragonophylla</i>	0.1	0.5
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Calytrix carinata</i>	0.1	0.5
<i>Codonocarpus cotinifolius</i>	0.1	1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Eriachne lanata</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.4
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.4

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Name	Cover (%)	Height (m)
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.2
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Santalum lanceolatum</i>	0.1	1.8
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.5
<i>Senna ferraria</i>	0.1	0.1
<i>Senna glaucifolia</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	0.8
<i>Seringia</i> sp.	0.1	0.2
<i>Sida arenicola</i>	0.1	0.3
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Solanum phlomoides</i>	0.1	0.1
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.6

Site: RQ247

Type: Quadrat

Date: 23/06/2020, 23/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 754782 Northing: 7444835

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus gamophylla* scattered low mallees over *Acacia trudgeniana* and *A. ancistrocarpa* scattered tall shrubs over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland.

Veg Condition: Excellent**Fire Age:** 5-10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.4
<i>Eucalyptus gamophylla</i>	2	3.5
<i>Acacia trudgeniana</i>	1	3.2
<i>Triodia pungens</i>	1	0.6
<i>Acacia ancistrocarpa</i>	0.5	2.9
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	1.7
<i>Acacia sibirica</i>	0.1	1
<i>Acacia tetragonophylla</i>	0.1	2.1
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	4.2
<i>Gompholobium oreophilum</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Goodenia vilmoriniae</i>	0.1	0.5
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	2.5
<i>Indigofera monophylla</i>	0.1	0.4
<i>Ptilotus calostachyus</i>	0.1	0.8

Name	Cover (%)	Height (m)
<i>Ptilotus clementii</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.5
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.3
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.5
<i>Sida arenicola</i>	0.1	0.8
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.8

Site: RQ253

Type: Quadrat

Date: 24/06/2020, 24/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 752229 **Northing:** 7444461

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone, Laterite

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Androcalva luteiflora* scattered shrubs over *Acacia hilliana* and *Acacia adoxa* var. *adoxo* low shrubland over *Triodia vanleeuwenii* open hummock grassland with *Eriachne lanata* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	30	0.5
<i>Acacia hilliana</i>	20	0.8
<i>Acacia adoxa</i> var. <i>adoxo</i>	4	0.5
<i>Androcalva luteiflora</i>	0.5	1.1
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	3.2
<i>Eriachne lanata</i>	0.5	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Acacia aptaneura</i>	0.1	2.5
<i>Acacia bivenosa</i>	0.1	1.9
<i>Acacia marramamba</i>	0.1	1.5
<i>Acacia pruinocarpa</i>	0.1	1.8
<i>Acacia sibirica</i>	0.1	2
<i>Acacia spondylophylla</i>	0.1	0.1
<i>Acacia tenuissima</i>	0.1	2
<i>Acacia tetragonophylla</i>	0.1	1.3
<i>Afrohybanthus aurantiacus</i>	0.1	0.4
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Calytrix carinata</i>	0.1	0.7
<i>Codonocarpus cotinifolius</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6
<i>Cymbopogon ambiguus</i>	0.1	0.8
<i>Dampiera candicans</i>	0.1	0.4
<i>Diplopeltis stuartii</i> var. <i>stuartii</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	0.4
<i>Eragrostis eriopoda</i>	0.1	0.3
<i>Eremophila exilifolia</i>	0.1	0.7
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.6
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.2
<i>Eriachne mucronata</i>	0.1	0.4
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia</i> sp.	0.1	0.05
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	2.2
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>truncatus</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.7
<i>Mirbelia viminalis</i>	0.1	0.9
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna glaucifolia</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.8
<i>Sida arenicola</i>	0.1	0.4
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Solanum phlomoides</i>	0.1	0.5
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.2
<i>Triodia pungens</i>	0.1	0.5

Site: RQ269**Type:** Quadrat**Date:** 18/07/2020, 14/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Eastings:** 728522 **Northing:** 7434908**Habitat:** Clay plain**Soil:** reddish brown light clay**Rock type:** Ironstone

Vegetation: *Corymbia candida* scattered low trees over *Acacia aptaneura*, *Hakea lorea* subsp. *lorea* and *Senna artemisioides* subsp. *filifolia* tall open shrubland over *Themeda triandra*, *Chrysopogon fallax* and *Aristida latifolia* tussock grassland with *Perotis rara* and *Eragrostis pergracilis* (*Iseilema vaginiflorum*) annual grassland with *Bulbostylis turbinata* very open sedgeland with *Ptilotus polystachyus* and *Rhodanthe charsleyae* very open herbland.

Veg Condition: Excellent**Fire Age:** 2-5 years**Species List:**

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	35	1.1
<i>Eragrostis pergracilis</i>	17	0.2
<i>Perotis rara</i>	17	0.1
<i>Aristida latifolia</i>	10	1
<i>Chrysopogon fallax</i>	6	1.1
<i>Bulbostylis turbinata</i>	5	0.1
<i>Acacia aptaneura</i>	2.5	8
<i>Ptilotus polystachyus</i>	2	0.6
<i>Rhodanthe charsleyae</i>	1	0.3
<i>Astrebla elymoides</i>	0.5	0.7
<i>Austrobryonia pilbarensis</i>	0.5	0.1
<i>Convolvulus clementii</i>	0.5	0.3
<i>Corymbia candida</i>	0.5	4
<i>Eragrostis cumingii</i>	0.5	0.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.5	2.2
<i>Ipomoea lonchophylla</i>	0.5	0.3

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Name	Cover (%)	Height (m)
<i>Iseilema vaginiflorum</i>	0.5	0.4
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.5	2.2
<i>Alternanthera nana</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.5
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Boerhavia paludosa</i>	0.1	0.3
<i>Calandrinia Ptychosperma</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Cucumis variabilis</i>	0.1	0.8
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.3
<i>Eragrostis tenellula</i>	0.1	0.1
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Eriachne flaccida</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.2
<i>Euphorbia boophthona</i>	0.1	0.2
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.3
<i>Euphorbia trigonosperma</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Gomphrena kanisii</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Haloragis gossei</i> var. <i>gossei</i>	0.1	0.3
<i>Heliotropium tanythrix</i>	0.1	0.3
<i>Indigofera georgei</i>	0.1	0.4
<i>Indigofera linifolia</i>	0.1	0.3
<i>Ipomoea polymorpha</i>	0.1	0.2
<i>Neptunia dimorphantha</i>	0.1	0.1
<i>Paspalidium clementii</i>	0.1	0.1
<i>Portulaca intraterranea/oleracea</i>	0.1	0.1
<i>Psydrax latifolia</i>	0.1	0.4
<i>Pterocaulon sphacelatum</i>	0.1	1
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus gomphrenoides</i>	0.1	0.3
<i>Ptilotus roei</i>	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Rhynchosia minima</i>	0.1	0.1
<i>Roebuckiella similis</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.1
<i>Sida fibulifera</i>	0.1	0.1
<i>Stemodia grossa</i>	0.1	0.2
<i>Stenopetalum nutans</i>	0.1	0.2
<i>Streptoglossa adscendens</i>	0.1	0.1
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ271

Type: Quadrat

Date: 19/07/2020, 06/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 728179 Northing: 7434608

Habitat: Clay plain

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* and *Grevillea berryana* tall open shrubland over *Eremophila caespitosa* and *E. forrestii* subsp. *forrestii* low open shrubland over *Triodia melvillei* very open hummock grassland with *Aristida contorta*, *Eriachne pulchella* subsp. *pulchella* and *Perotis rara* open annual grassland.

Veg Condition: Very Good**Fire Age:** 5-10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	6	0.6
<i>Aristida contorta</i>	5	0.1
<i>Eremophila caespitosa</i>	4	0.3
<i>Acacia aptaneura</i>	2	4.5
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	2	0.1
<i>Perotis rara</i>	2	0.1
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	0.8
<i>Grevillea berryana</i>	1	4
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Acacia pruinocarpa</i>	0.1	1.5
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.7
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.4
<i>Aristida obscura</i>	0.1	0.1
<i>Arivela viscosa</i>	0.1	0.5
<i>Austrobryonia pilbarensis</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Bulbostylis barbata</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Cucumis variabilis</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.15
<i>Eragrostis pergracilis</i>	0.1	0.1
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1	0.1	0.3
<i>Euphorbia drummondii</i>	0.1	0.2
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena kanisii</i>	0.1	0.4
<i>Goodenia ?nuda</i>	0.1	0.4
<i>Heliotropium heteranthum</i>	0.1	0.05
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Panicum effusum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.8
<i>Pterocaulon sphacelatum</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus gomphrenoides</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Ptilotus polystachyus</i>	0.1	0.3
<i>Ptilotus roei</i>	0.1	0.1
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.8
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.05
<i>Sida platycalyx</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Teucrium teucriiflorum</i>	0.1	0.4

* denotes weed species

? denotes unconfirmed ID

Site: RQ273**Type:** Quadrat**Date:** 19/07/2020, 15/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 727821 **Northing:** 7436667**Habitat:** Clay plain**Soil:** reddish brown clay loam**Rock type:** Ironstone

Vegetation: *Acacia aptaneura* and *Hakea lorea* subsp. *lorea* tall open shrubland over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Aristida ingrata*, *Themeda triandra* and *Chrysopogon fallax* open tussock grassland with *Enneapogon polyphyllus*, *Aristida contorta* and *Iseilema vaginiflorum* very open annual grassland with *Ptilotus helipteroides* and *Ptilotus polystachyus* scattered herbs.

Veg Condition: Very Good**Fire Age:** 5-10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	6	5
<i>Aristida ingrata</i>	6	1.5
<i>Enneapogon polyphyllus</i>	6	0.4
<i>Themeda triandra</i>	4	0.8
<i>Chrysopogon fallax</i>	3	1.2
<i>Aristida contorta</i>	1	0.1
<i>Arivela viscosa</i>	1	0.4
<i>Ptilotus helipteroides</i>	1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.8
<i>Eriachne mucronata</i>	0.5	0.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.5	3.5
<i>Iseilema vaginiflorum</i>	0.5	0.2
<i>Ptilotus polystachyus</i>	0.5	0.5
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Acacia pruinocarpa</i>	0.1	1.6
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Alternanthera nana</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Aristida obscura</i>	0.1	0.3
<i>Austrobryonia pilbarensis</i>	0.1	0.1
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Calandrinia Ptychosperma</i>	0.1	0.02
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Convolvulus clementii</i>	0.1	0.4
<i>Cucumis variabilis</i>	0.1	1
<i>Digitaria ammophila</i>	0.1	0.3
<i>Dysphania kalpari</i>	0.1	0.3
<i>Enneapogon caeruleus</i>	0.1	0.2
<i>Eremophila lanceolata</i>	0.1	0.4
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.2
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Euphorbia boophthona</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.1
<i>Goodenia prostrata</i>	0.1	0.1
<i>Heliotropium heteranthum</i>	0.1	0.03
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.7
<i>Indigofera linifolia</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.1
<i>Panicum effusum</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.1
<i>Polycarpha corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.05
<i>Portulaca filifolia</i>	0.1	0.2
<i>Pterocaulon sphaeranthoides</i>	0.1	1.2
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus roei</i>	0.1	0.05
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Rhodanthe charsleyae</i>	0.1	0.3
<i>Rhynchosia minima</i>	0.1	0.3
<i>Salsola australis</i>	0.1	1
<i>Sclerolaena cornishiana</i>	0.1	0.3
<i>Sida platycalyx</i>	0.1	0.3
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum horridum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Sporobolus australasicus</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Stemodia</i> sp.	0.1	0.3
<i>Stenopetalum nutans</i>	0.1	0.2
<i>Tragus australianus</i>	0.1	0.1
<i>Tribulus astrocarpus</i>	0.1	0.05
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1

* denotes weed species

Site: RQ275

Type: Quadrat

Date: 20/07/2020, 04/03/2021

Described by: KMc / HP / LD / JD

MGA zone: 50K

Easting: 722902 **Northing:** 7436972

Habitat: Clay plain

Soil: brown crabhole/self-mulching, light clay

Rock type: Ironstone

Vegetation: *Astrebla pectinata* (*A. elymoides* and *Eragrostis xerophila*) tussock grassland with *Euphorbia trigonosperma* scattered herbs.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla pectinata</i>	40	0.8
Poaceae sp.	8	0.2
<i>Euphorbia trigonosperma</i>	1.5	0.3
<i>Aristida latifolia</i>	1	0.8
<i>Astrebla elymoides</i>	1	0.6
<i>Bulbostylis turbinata</i>	1	0.1
<i>Cynodon convergens</i>	0.5	0.3
<i>Eragrostis xerophila</i>	0.5	0.4
<i>Operculina aequisejala</i>	0.5	0.3
<i>Acacia aptaneura</i>	0.1	0.6
<i>Aristida contorta</i>	0.1	0.2
<i>Boerhavia paludosa</i>	0.1	0.05
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Corchorus tridens</i>	0.1	0.05
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Dolichocarpa crouchiana</i>	0.1	0.15
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis tenellula</i>	0.1	0.15
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Eremophila lachnocalyx</i>	0.1	1.1
<i>Eriachne benthamii</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Grona filiformis</i>	0.1	0.2
<i>Heliotropium conocarpum</i>	0.1	0.1
<i>Hibiscus brachysiphonius</i>	0.1	0.15
<i>Hibiscus verdcourtii</i>	0.1	0.2
<i>Indigofera linifolia</i>	0.1	0.2
<i>Ipomoea lonchophylla</i>	0.1	0.2
<i>Iseilema vaginiflorum</i>	0.1	0.5
<i>Lotus cruentus</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.2
<i>Panicum laevinode</i>	0.1	0.7
<i>Phyllanthus maderaspatensis</i>	0.1	0.3
<i>Portulaca oleracea</i>	0.1	0.05
<i>Ptilotus carinatus</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Rhynchosia minima</i>	0.1	0.3
<i>Senna hamersleyensis</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida trichopoda</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Streptoglossa bubakii</i>	0.1	0.4
<i>Striga squamigera</i>	0.1	0.15
<i>Swainsona thompsoniana</i> P3	0.1	0.2
<i>Tephrosia</i> sp. clay soils (S. van Leeuwen et al. PBS 0273)	0.1	0.3
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.2

Site: RQ276

Type: Quadrat

Date: 18/07/2020, 25/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 738832 Northing: 7435974

Habitat: Plain

Soil: brown surface crust, clay loam

Vegetation: *Eucalyptus victrix* open woodland over *Acacia aptaneura* tall open shrubland over *Duma florulenta* and *Rhagodia eremaea* open shrubland over *Ptilotus obovatus* var. *obovatus* low open shrubland over *Eulalia aurea* very open tussock grassland with **Chloris virga*

Veg Condition: Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus victrix</i>	9	12
<i>Acacia aptaneura</i>	5	5
* <i>Chloris virgata</i>	4	0.9
<i>Duma florulenta</i>	4	1.2
<i>Setaria dielsii</i>	3	0.6
<i>Enneapogon polyphyllus</i>	2	0.4
<i>Eulalia aurea</i>	2	0.8
<i>Rhagodia eremaea</i>	2	1.1
<i>Digitaria ctenantha</i>	1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.4
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.5
<i>Acrachne racemosa</i>	0.1	0.2
<i>Amaranthus cuspidifolius</i>	0.1	0.4
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.6
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Boerhavia coccinea</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Chrysopogon fallax</i>	0.1	1.6
<i>Convolvulus clementii</i>	0.1	0.3
<i>Cucumis variabilis</i>	0.1	0.2
<i>Dactyloctenium radulans</i>	0.1	0.3
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	0.25
<i>Dysphania melanocarpa</i> forma <i>melanocarpa</i>	0.1	0.2
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.5
<i>Enneapogon robustissimus</i>	0.1	0.3
<i>Euphorbia biconvexa</i>	0.1	0.1
<i>Euphorbia coghlanii</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Iseilema membranaceum</i>	0.1	0.1
<i>Iseilema vaginiflorum</i>	0.1	0.4
<i>Maireana villosa</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.3
<i>Peripleura arida</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.25
<i>Ptilotus auriculifolius</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus gomphrenoides</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.25
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.8
<i>Salsola australis</i>	0.1	0.4
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.4
* <i>Setaria verticillata</i>	0.1	0.6
<i>Swainsona kingii</i>	0.1	0.1
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	0.1	0.8
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1	0.4

* denotes weed species

Site: RQ277

Type: Quadrat

Date: 20/07/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 723484 Northing: 7436651

Habitat: Hillcrest

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Triodia wiseana*, *T. vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	32	1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	7
<i>Triodia vanleeuwenii</i>	2	0.3
<i>Triodia pungens</i>	1	0.8
<i>Abutilon lepidum</i>	0.1	0.4
<i>Acacia aptaneura</i>	0.1	0.7
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	3
<i>Acacia pruinocarpa</i>	0.1	2.3
<i>Acacia sibirica</i>	0.1	0.6
<i>Acacia tetragonophylla</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.6
<i>Aristida obscura</i>	0.1	0.2
<i>Capparis lasiantha</i>	0.1	3
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	0.5
<i>Dysphania</i> sp.	0.1	0.1
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	1.2

Name	Cover (%)	Height (m)
<i>Eriachne mucronata</i>	0.1	0.5
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.1
<i>Goodenia muelleriana</i>	0.1	0.15
<i>Hakea chordophylla</i>	0.1	1.8
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.4
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1
<i>Ptilotus rotundifolius</i>	0.1	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.2
<i>Sida echinocarpa</i>	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.05
<i>Sporobolus australasicus</i>	0.1	0.1

Site: RQ278

Type: Quadrat

Date: 18/07/2020, 24/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 727678 Northing: 7437554

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *A. incurvaneura* and *A. marramamba* tall open shrubland over *Eremophila exilifolia*, *A. rhodophloia* and *E. fraseri* subsp. *fraseri* shrubland over *Triodia wiseana* (*T. pungens*) open hummock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	23	0.9
<i>Eremophila exilifolia</i>	5	1.1
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	5
<i>Acacia incurvaneura</i>	2	3
<i>Acacia marramamba</i>	2	2.3
<i>Acacia rhodophloia</i>	2	1.6
<i>Acacia sibirica</i>	2	2.2
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>	2	1.2
<i>Triodia pungens</i>	2	0.5
<i>Acacia ayersiana</i>	1.5	2
<i>Grevillea berryana</i>	1	2
<i>Corymbia hamersleyana</i>	0.5	5
<i>Abutilon macrum</i>	0.1	0.7
<i>Acacia aptaneura</i>	0.1	2
<i>Acacia citrinoviridis</i>	0.1	3
<i>Acacia pruinocarpa</i>	0.1	1.2
<i>Acacia tetragonophylla</i>	0.1	2.1
<i>Anthobolus leptomerioides</i>	0.1	1

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Name	Cover (%)	Height (m)
<i>Aristida ingrata</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	0
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila latrobei</i>	0.1	0.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	1
<i>Euphorbia drummondii</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Goodenia microptera</i>	0.1	0.3
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	2.5
<i>Hibiscus coatesii</i>	0.1	0.1
<i>Indigofera linifolia</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.25
<i>Perotis rara</i>	0.1	0.1
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.4
<i>Senna ferraria</i>	0.1	2.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	2.5
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.1
<i>Seringia exastia</i>	0.1	0.7
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Teucrium teucriflorum</i>	0.1	0.4
<i>Vincetoxicum lineare</i>	0.1	0

* denotes weed species

Site: RQ280

Type: Quadrat

Date: 19/07/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 724605 Northing: 7438676

Habitat: Stony plain

Soil: reddish brown clay loam

Rock type: Calcrete, Ironstone, Quartz

Vegetation: *Eucalyptus repullulans* low open mallee woodland over *Triodia angusta* very open hummock grassland.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia angusta</i>	8	0.9
<i>Eucalyptus repullulans</i>	4	2
<i>Abutilon cunninghamii</i>	0.1	0.7
<i>Acacia aptaneura</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	1.5
<i>Acacia synchronicia</i>	0.1	1
<i>Acacia tenuissima</i>	0.1	0.8
<i>Aristida contorta</i>	0.1	0.25
<i>Atriplex codonocarpa</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.35
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.7
<i>Cynodon prostratus</i>	0.1	0.05
<i>Enneapogon caerulescens</i>	0.1	0.15
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila oppositifolia</i> subsp. <i>angustifolia</i>	0.1	1.6
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	0.2
<i>Hibiscus sturtii</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Iseilema dolichotrichum</i>	0.1	0.15
<i>Maireana carnosa</i>	0.1	0.25
<i>Maireana</i> sp.	0.1	0.15
<i>Maireana thesioides</i>	0.1	0.5
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Salsola australis</i>	0.1	0.3
<i>Sclerolaena cuneata</i>	0.1	0.25
<i>Senna glaucifolia</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.4
<i>Sida echinocarpa</i>	0.1	0.2
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.6
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.25
<i>Triodia wiseana</i>	0.1	0.25

Site: RQ292

Type: Quadrat

Date: 20/06/2020, 24/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 730936 Northing: 7436649

Habitat: Clay plain

Soil: reddish brown hardsetting, silty clay

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. pruinocarpa* and *A. tenuissima* low open woodland over *Eremophila lanceolata* scattered low shrubs over *Triodia melvillei* scattered hummock grasses with *Aristida inaequiglumis* and *Chrysopogon fallax* scattered tussock grasses with *Perotis rara*, *Aristida contorta* open annual grassland

Veg Condition: Very Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Perotis rara</i>	8	0.1
<i>Acacia aptaneura</i>	6	6
<i>Aristida contorta</i>	2	0.1
<i>Acacia pruinocarpa</i>	1	4
<i>Triodia melvillei</i>	1	0.7
<i>Acacia tenuissima</i>	0.5	3
<i>Aristida inaequiglumis</i>	0.5	0.5
<i>Chrysopogon fallax</i>	0.5	1.2
<i>Eremophila lanceolata</i>	0.5	0.4
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia pachyacra</i>	0.1	1.5
<i>Aristida obscura</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Bulbostylis barbata</i>	0.1	0.03
<i>Bulbostylis turbinata</i>	0.1	0.05
<i>Cheilanthes sieberi</i>	0.1	0.4
<i>Chrysocephalum gilesii</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0.4

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Name	Cover (%)	Height (m)
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.05
<i>Eriachne benthamii</i>	0.1	0.6
<i>Eriachne flaccida</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1	0.05
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.05
<i>Goodenia nuda</i> P4	0.1	0.1
<i>Goodenia prostrata</i>	0.1	0.1
<i>Hakea chordophylla</i>	0.1	1.8
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Iseilema vaginiflorum</i>	0.1	0.4
<i>Maireana villosa</i>	0.1	0.3
<i>Nicotiana simulans</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.5
<i>Paspalidium rarum</i>	0.1	0.2
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Psydrax suaveolens</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.05
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.05
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.5
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Roebuckiella similis</i>	0.1	0.3
<i>Salsola australis</i>	0.1	0.4
<i>Sclerolaena cornishiana</i>	0.1	0.3
<i>Senna notabilis</i>	0.1	0.05
<i>Solanum ferocissimum</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Spermacoce brachystema</i>	0.1	0.2
<i>Teucrium teucriiflorum</i>	0.1	0.8
<i>Themeda triandra</i>	0.1	1.2
<i>Tribulus astrocarpus</i>	0.1	0.1
<i>Vincetoxicum lineare</i>	0.1	1
<i>Wahlenbergia</i> sp.	0.1	0.05
<i>Eucalyptus xerothermica</i>	0	6

* denotes weed species

Site: RQ294

Type: Quadrat

Date: 20/06/2020, 24/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 731722 Northing: 7437666

Habitat: Clay plain

Soil: reddish brown hardsetting, silty clay

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Eriachne benthamii*, *Aristida contorta* and *Eragrostis pergracilis* open annual grassland with *Ptilotus gaudichaudii* and *Calandrinia pumila* scattered herbs

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eriachne benthamii</i>	8	0.8
<i>Acacia aptaneura</i>	6	7
<i>Aristida contorta</i>	5	0.2
<i>Calandrinia pumila</i>	0.5	0.1
<i>Chrysopogon fallax</i>	0.5	1.2
<i>Eragrostis cumingii</i>	0.5	0.1
<i>Eragrostis pergracilis</i>	0.5	0.1
<i>Perotis rara</i>	0.5	0.1
<i>Ptilotus gaudichaudii</i>	0.5	0.3
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia pruinocarpa</i>	0.1	0.6
<i>Alternanthera angustifolia</i>	0.1	0.1
<i>Aristida inaequiglumis</i>	0.1	0.6
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.5
<i>Aristida latifolia</i>	0.1	0.9
<i>Aristida obscura</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Blumea tenella</i>	0.1	0.2
<i>Bulbostylis turbinata</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysocephalum gilesii</i>	0.1	0.1
<i>Cucumis melo</i>	0.1	0.1
<i>Cyperus bulbosus</i>	0.1	0.3
<i>Cyperus squarrosus</i>	0.1	0.1
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Enteropogon ramosus</i>	0.1	0.8
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Eriachne flaccida</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia boophthona</i>	0.1	0.3
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Fimbristylis dichotoma</i>	0.1	0.3
<i>Gomphrena lanata</i>	0.1	0.1
<i>Goodenia nuda</i> P4	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.05
<i>Hibiscus burtonii</i>	0.1	1.2
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Lepidium</i> sp.	0.1	0.1
<i>Maireana villosa</i>	0.1	0.6
<i>Panicum decompositum</i>	0.1	0.4
<i>Paspalidium rarum</i>	0.1	0.3
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.5
<i>Psyrax suaveolens</i>	0.1	2.1
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.05
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus xerophilus</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.4
<i>Roebuckiella similis</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.1
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.2
<i>Solanum ferocissimum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Spermacoce brachystema</i>	0.1	0.4
<i>Stenopetalum nutans</i>	0.1	0.2
<i>Streptoglossa decurrens</i>	0.1	0.2
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>	0.1	0.1
<i>Teucrium teucriflorum</i>	0.1	1.1

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	0.1	1.5

* denotes weed species

Site: RQ305

Type: Quadrat

Date: 22/07/2020, 24/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 748870 Northing: 7444283

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone, Laterite

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* scattered tall shrubs over *Acacia hilliana* and *Seringia exastia* low open shrubland over *Triodia vanleeuwenii* hummock grassland with *Eriachne lanata* scattered tussock grasses.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.5
<i>Acacia hilliana</i>	5	0.6
<i>Seringia exastia</i>	2	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Hakea chordophylla</i>	0.5	3
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia inaequilatera</i>	0.1	0.3
<i>Acacia pruinocarpa</i>	0.1	1.2
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.5
<i>Acacia trudgeniana</i>	0.1	0.4
<i>Afrohybanthus aurantiacus</i>	0.1	0.4
<i>Amphipogon sericeus</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.8
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Corymbia hamersleyana</i>	0.1	4
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Dampiera candidans</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.6
<i>Eriachne lanata</i>	0.1	0.1
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eucalyptus gamophylla</i>	0.1	1
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	4
<i>Indigofera monophylla</i>	0.1	0.5
<i>Malvaceae</i> sp.	0.1	0.1
<i>Mirbelia viminalis</i>	0.1	0.7
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna glaucifolia</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.6
<i>Sida arenicola</i>	0.1	0.8
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.2
<i>Trianthema glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0.6

Site: RQ308

Type: Quadrat

Date: 22/07/2020, 24/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 750363 **Northing:** 7444761

Habitat: Hillslope

Soil: dark reddish brown clay loam

Rock type: Ironstone, Laterite

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia pruinocarpa* scattered tall shrubs over *A. marramamba* and *A. sibirica* open shrubland over *Eremophila exilifolia* low open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	5	5
<i>Triodia pungens</i>	5	0.5
<i>Acacia marramamba</i>	4	2
<i>Eremophila exilifolia</i>	2.5	0.8
<i>Acacia pruinocarpa</i>	1	3
<i>Acacia sibirica</i>	1	1.1
<i>Acacia aptaneura</i>	0.1	2.5
<i>Acacia bivenosa</i>	0.1	0.9
<i>Acacia kempeana</i>	0.1	0.4
<i>Acacia pachyacra</i>	0.1	0.8
<i>Acacia rhodophloia</i>	0.1	1.2
<i>Acacia trudgeniana</i>	0.1	1
<i>Androcalva luteiflora</i>	0.1	1.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Codonocarpus cotinifolius</i>	0.1	1.9
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.7
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	1.5
<i>Eragrostis eriopoda</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.3
<i>Eriachne aristidea</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.15
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.4
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Heliotropium cunninghamii</i>	0.1	0.2
<i>Hibiscus sturtii</i> var. <i>truncatus</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.5
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.6
<i>Schizachyrium fragile</i>	0.1	0.25
<i>Senna glaucifolia</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.8
<i>Sida arenicola</i>	0.1	0.7
<i>Sida echinocarpa</i>	0.1	0.9
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5

Site: RQ326

Type: Quadrat

Date: 01/08/2020, 06/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 719202 Northing: 7430379

Habitat: Clay plain

Soil: dark reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* scattered low shrubs over *Triodia melvillei* scattered hummock grasses with *Aristida inaequiglumis* and *Eriachne benthamii* very open tussock grassland with *Aristida obscura*, *Enneapogon polyphyllus* and *Perotis rara* very open tussock grassland.

Veg Condition: Very Good**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	4	6
<i>Aristida obscura</i>	4	0.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	3	6
<i>Acacia pruinocarpa</i>	2	3
<i>Perotis rara</i>	2	0.1
<i>Aristida inaequiglumis</i>	1	0.5
<i>Enneapogon polyphyllus</i>	1	0.2
<i>Eriachne benthamii</i>	1	0.1
<i>Aristida contorta</i>	0.5	0.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	0.7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.7
<i>Triodia melvillei</i>	0.5	1
<i>Abutilon otocarpum</i>	0.1	0.1
<i>Anthobolus leptomerioides</i>	0.1	1.2
<i>Aristida ingrata</i>	0.1	0.6
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Brunonia australis</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Chrysocephalum gilesii</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Cucumis variabilis</i>	0.1	0.1
<i>Digitaria ammophila</i>	0.1	0.3
<i>Digitaria ctenantha</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.1
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Eragrostis pergracilis</i>	0.1	0.1
<i>Eremophila clarkei</i>	0.1	0.8
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.1
<i>Euphorbia boophthona</i>	0.1	0.1
<i>Euphorbia</i> sp.	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Goodenia prostrata</i>	0.1	0.1
<i>Hakea chordophylla</i>	0.1	2.2
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Leichhardtia australis</i>	0.1	0.7
<i>Panicum effusum</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.2
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Psydrax suaveolens</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.3
<i>Ptilotus polystachyus</i>	0.1	0.4
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.1
<i>Salsola australis</i>	0.1	0.5
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna notabilis</i>	0.1	0.1
<i>Sida ectogama</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.1
<i>Sida platycalyx</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Teucrium teucriiflorum</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.3

* denotes weed species

Site: RQ449

Type: Quadrat

Date: 01/10/2020, 11/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 745431 Northing: 7445516

Habitat: Hillslope

Soil: dark reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Hakea chordophylla* scattered tall shrubs over *Acacia arida* open shrubland over *Corchorus lasiocarpus* subsp. *parvus* scattered low shrubs over *Triodia vanleeuwenii* (*T. pungens*) open hummock grassland with *Amphipogon sericeus* very open annual grassland.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.5
<i>Acacia arida</i>	7	1.2
<i>Amphipogon sericeus</i>	2.5	0.3
<i>Hakea chordophylla</i>	1.5	4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.5	0.4
<i>Eriachne lanata</i>	0.5	0.4
<i>Triodia pungens</i>	0.5	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.4
<i>Acacia marramamba</i>	0.1	0.8
<i>Acacia pruinocarpa</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.1
<i>Bonamia pilbarensis</i>	0.1	0.05
<i>Chrysocephalum pterochaetum</i>	0.1	0.3
<i>Dampiera candicans</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	0.8
<i>Gompholobium oreophilum</i>	0.1	0.4
<i>Goodenia muelleriana</i>	0.1	0.3

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Name	Cover (%)	Height (m)
<i>Goodenia stobbsiana</i>	0.1	0.5
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Mirbelia viminalis</i>	0.1	0.8
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Ptilotus clementii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	0.6
<i>Sida arsinata</i>	0.1	1.6
<i>Sida</i> sp.	0.1	0.4
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.5
<i>Solanum lasiophyllum</i>	0.1	0.3

Site: RQ455

Type: Quadrat

Date: 01/10/2020, 24/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 748191 **Northing:** 7445170

Habitat: Pediment

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone, Laterite

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* scattered tall shrubs over *Acacia hilliana* and *A. adoxa* var. *adoxo* low open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.4
<i>Acacia hilliana</i>	8	0.6
<i>Triodia pungens</i>	2	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.5	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Hakea chordophylla</i>	0.5	4
<i>Acacia bivenosa</i>	0.1	1.2
<i>Acacia pachyacra</i>	0.1	1.1
<i>Acacia pruinocarpa</i>	0.1	1.8
<i>Amphipogon sericeus</i>	0.1	0.1
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Cassutha capillaris</i>	0.1	0.4
<i>Chrysocephalum pterochaetum</i>	0.1	0.2
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.8
<i>Dampiera candidans</i>	0.1	0.4
<i>Eragrostis eriopoda</i>	0.1	0.1
<i>Eriachne mucronata</i>	0.1	0.3
<i>Fimbristylis simulans</i>	0.1	0.1

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Name	Cover (%)	Height (m)
<i>Gompholobium oreophilum</i>	0.1	0.6
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.5
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	1.4
<i>Indigofera monophylla</i>	0.1	0.5
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Polycarpaea holtzei</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1	0.4
<i>Senna glaucifolia</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.7
<i>Sida echinocarpa</i>	0.1	0.3
<i>Solanum centrale</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Stackhousia ?intermedia</i>	0.1	0.1
<i>Tephrosia oxalidea</i>	0.1	0.1
<i>Trianthema glossostigmum</i>	0.1	0.1

? denotes unconfirmed ID

Site: RQ457

Type: Quadrat

Date: 01/10/2020, 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 746145 Northing: 7437169

Habitat: Hillcrest

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* low open woodland over *Hakea chordophylla* scattered tall shrubs over *Triodia vanleeuwenii*, *T. pungens* and *T. wiseana* open hummock grassland over *Cymbopogon ambiguus* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	5
<i>Hakea chordophylla</i>	1	4
<i>Triodia pungens</i>	1	0.4
<i>Triodia wiseana</i>	1	0.4
<i>Corymbia hamersleyana</i>	0.5	5
<i>Cymbopogon ambiguus</i>	0.5	0.8
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	1.1
<i>Acacia hilliana</i>	0.1	0.3
<i>Acacia maitlandii</i>	0.1	0.6
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	0.9
<i>Afrohybanthus aurantiacus</i>	0.1	0.2
<i>Amphipogon sericeus</i>	0.1	0.1
<i>Calytrix carinata</i>	0.1	0.4
<i>Chrysocephalum pterochaetum</i>	0.1	0.1
<i>Clerodendrum tomentosum</i>	0.1	0.4
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5

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Name	Cover (%)	Height (m)
<i>Dampiera candidans</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.1
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.6
<i>Eriachne lanata</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Gossypium robinsonii</i>	0.1	1.1
<i>Grevillea berryana</i>	0.1	1.2
<i>Heliotropium inexplicitum</i>	0.1	0.3
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.2
<i>Panicum effusum</i>	0.1	0.1
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.7
<i>Senna glaucifolia</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.7
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.1
<i>Seringia nephrosperma</i>	0.1	0.4
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.5
<i>Solanum centrale</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Stackhousia ?intermedia</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.4

? denotes unconfirmed ID

Site: RQ469

Type: Quadrat

Date: 15/10/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 721463 Northing: 7438011

Habitat: Hillslope

Soil: reddish brown clay loam

Rock type: Dolerite

Vegetation: *Corymbia hamersleyana* scattered low trees over *Triodia wiseana* open hummock grassland.

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	20	0.4
<i>Corymbia hamersleyana</i>	0.5	4.5
<i>Acacia aptaneura</i>	0.1	0.8
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia dictyophleba</i>	0.1	0.5
<i>Acacia inaequilatera</i>	0.1	0.6
<i>Acacia marramamba</i>	0.1	1.4
<i>Acacia pachyacra</i>	0.1	0.8
<i>Acacia sibirica</i>	0.1	0.6
<i>Acacia subtiliformis</i> P3	0.1	0.8
<i>Acacia tenuissima</i>	0.1	0.5
<i>Acacia tetragonophylla</i>	0.1	0.5
<i>Anthobolus leptomerioides</i>	0.1	0.6
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Cymbopogon ambiguus</i>	0.1	0.9
<i>Dolichocarpa crouchiana</i>	0.1	0.05
<i>Enneapogon caeruleus</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Eremophila longifolia</i>	0.1	0.7
<i>Eriachne mucronata</i>	0.1	0.4
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus gamophylla</i>	0.1	1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	1.3
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.03
<i>Euphorbia boophthona</i>	0.1	0.1
<i>Goodenia microptera</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	2.5
<i>Heliotropium chrysocarpum</i>	0.1	0.3
<i>Hibiscus coatesii</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Ptilotus auriculifolius</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus rotundifolius</i>	0.1	0.6
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.5
<i>Senna ferraria</i>	0.1	0.9
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8
<i>Sida echinocarpa</i>	0.1	0.3
<i>Streptoglossa bubakii</i>	0.1	0.1
<i>Streptoglossa decurrens</i>	0.1	0.03
<i>Themeda triandra</i>	0.1	0.3
<i>Tribulus hirsutus</i>	0.1	0.2

Site: RQ480

Type: Quadrat

Date: 18/10/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 722698 Northing: 7438351

Habitat: Stony plain

Soil: reddish brown clay loam

Rock type: Ironstone, Mudstone, Quartz

Vegetation: *Eucalyptus repullulans* low mallee woodland over *Triodia brizoides*, *T. angusta* (*T. wiseana*) hummock grassland.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia brizoides</i>	25	0.5
<i>Eucalyptus repullulans</i>	13	4
<i>Triodia angusta</i>	5	0.5
<i>Triodia wiseana</i>	1	0.4
<i>Acacia aptaneura</i>	0.1	2.3
<i>Acacia bivenosa</i>	0.1	2
<i>Acacia synchronicia</i>	0.1	1.5
<i>Acacia tetragonophylla</i>	0.1	0.5
<i>Capparis lasiantha</i>	0.1	0.6
<i>Cynodon prostratus</i>	0.1	0.05
<i>Eremophila lachnocalyx</i>	0.1	1
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Maireana carnosa</i>	0.1	0.2
<i>Maireana georgei</i>	0.1	0.4
<i>Maireana thesioides</i>	0.1	0.9
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.3
<i>Melaleuca eleuterostachya</i>	0.1	1.3
<i>Paspalidium clementii</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Scaevola spinescens</i>	0.1	0.5
<i>Sclerolaena</i> aff. <i>diacantha</i>	0.1	0.2
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	2
<i>Templetonia egena</i>	0.1	1.5

Site: RQ484

Type: Quadrat

Date: 20/10/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 722385 Northing: 7438138

Habitat: Plain

Soil: reddish brown clay loam

Rock type: Calcrete, Dolerite, Quartz

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* (*E. gamophylla* and *E. repullulans*) low mallee woodland over *Triodia angusta* and *T. wiseana* hummock grassland with *Themeda triandra* scattered tussock grasses.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia angusta</i>	25	0.7
<i>Triodia wiseana</i>	15	0.7
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	13	4
<i>Themeda triandra</i>	2	0.9
<i>Eucalyptus gamophylla</i>	1	1.6
<i>Eucalyptus repullulans</i>	1	3
<i>Abutilon amplum</i>	0.1	0.3
<i>Acacia bivenosa</i>	0.1	2.2
<i>Acacia dictyophleba</i>	0.1	1.2
<i>Acacia inaequilatera</i>	0.1	0.8
<i>Acacia pachyacra</i>	0.1	1
<i>Acacia sibirica</i>	0.1	1.3
<i>Acacia subtiliformis</i> P3	0.1	2.2
<i>Acacia synchronicia</i>	0.1	0.7
<i>Acacia tenuissima</i>	0.1	0.9
<i>Acacia tetragonophylla</i>	0.1	1.4
<i>Aristida</i> sp.	0.1	0.3
<i>Capparis lasiantha</i>	0.1	0.8
<i>Cymbopogon obtectus</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Duperreya commixta</i>	0.1	1.3
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila longifolia</i>	0.1	2
<i>Eriachne mucronata</i>	0.1	0.4
<i>Goodenia microptera</i>	0.1	0.4
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Hakea chordophylla</i>	0.1	2.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	0.9
<i>Heliotropium chrysocarpum</i>	0.1	0.2
<i>Indigofera monophylla</i>	0.1	0.6
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.8
<i>Maireana georgei</i>	0.1	0.4
<i>Maireana thesioides</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Santalum lanceolatum</i>	0.1	2.6
<i>Scaevola spinescens</i>	0.1	0.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6
<i>Sida calyxhymenia</i>	0.1	0.5
<i>Sida fibulifera</i>	0.1	0.1
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Streptoglossa bubakii</i>	0.1	0.8

Site: RQ485

Type: Quadrat

Date: 20/10/2020, 07/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 722087 Northing: 7438430

Habitat: Hillslope

Soil: reddish brown clay loam

Rock type: Ironstone, Quartz

Vegetation: *Melaleuca eleuterostachya* shrubland over *Triodia angusta* and *T. wiseana* open hummock grassland.

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia angusta</i>	18	0.6
<i>Melaleuca eleuterostachya</i>	11	1.1
<i>Triodia wiseana</i>	10	0.6
<i>Acacia aptaneura</i>	0.1	1.8
<i>Acacia bivenosa</i>	0.1	3
<i>Acacia sibirica</i>	0.1	1
<i>Acacia subtiliformis</i> P3	0.1	2.2
<i>Acacia tenuissima</i>	0.1	1.3
<i>Cassya capillaris</i>	0.1	0.7
<i>Enchylaena tomentosa</i> x <i>Maireana georgei</i>	0.1	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	1
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	0.1	1.1
<i>Maireana carnos</i>	0.1	0.2
<i>Sclerolaena densiflora</i>	0.1	0.1
<i>Stackhousia muricata</i> subsp. annual (W.R. Barker 2172)	0.1	0.2

Site: RQ486

Type: Quadrat

Date: 20/10/2020, 06/08/2021

Described by: MM / KMc / RD / CM

MGA zone: 50K

Easting: 721543 Northing: 7433954

Habitat: Stony plain

Soil: dark reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* open shrubland over *Triodia melvillei* very open hummock grassland with *Themeda triandra* very open tussock grassland with *Aristida contorta*, *Digitaria ctenantha* and *Perotis rara* very open annual grassland with **Bidens bipinnata* scattered herbs.

Veg Condition: Very Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	11	9
<i>Aristida contorta</i>	5	0.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	2.5	1.8
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	8
<i>Acacia pruinocarpa</i>	2	8
<i>Themeda triandra</i>	2	0.5
<i>Digitaria ctenantha</i>	1	0.3
<i>Grevillea berryana</i>	1	2.8
* <i>Bidens bipinnata</i>	0.5	0.5
<i>Perotis rara</i>	0.5	0.1
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia tetragonophylla</i>	0.1	2.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida inaequiglumis</i>	0.1	0.7
<i>Aristida obscura</i>	0.1	0.4
<i>Arivela viscosa</i>	0.1	0.5
<i>Boerhavia coccinea</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Bulbostylis turbinata</i>	0.1	0.1
<i>Capparis lasiantha</i>	0.1	1.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.3
<i>Chrysocephalum gilesii</i>	0.1	0.3
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Cucumis variabilis</i>	0.1	2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.4
<i>Digitaria ammophila</i>	0.1	0.5
<i>Enneapogon caerulescens</i>	0.1	0.1
<i>Enneapogon lindleyanus</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Eragrostis pergracilis</i>	0.1	0.3
<i>Eriachne benthamii</i>	0.1	0.6
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia australis</i> var. <i>subtomentosa</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Gomphrena kanisii</i>	0.1	0.4
<i>Goodenia muelleriana</i>	0.1	0.4
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Hibiscus coatesii</i>	0.1	0.5
<i>Indigofera georgei</i>	0.1	0.5
<i>Iseilema dolichotrichum</i>	0.1	0.25
<i>Isotropis iophyta</i>	0.1	1
<i>Maireana villosa</i>	0.1	0.4
<i>Melhania oblongifolia</i>	0.1	0.3
<i>Nicotiana</i> sp.	0.1	0.4
<i>Panicum effusum</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.3
<i>Psydrax suaveolens</i>	0.1	1.2
<i>Pterocaulon sphacelatum</i>	0.1	0.6
<i>Ptilotus auriculifolius</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Ptilotus clementii</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Ptilotus gaudichaudii</i>	0.1	0.4
<i>Ptilotus helipteroides</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	1.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.6
<i>Salsola australis</i>	0.1	0.4
<i>Schizachyrium fragile</i>	0.1	0.3
<i>Sclerolaena cornishiana</i>	0.1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.8
<i>Senna glaucifolia</i>	0.1	0.5
<i>Senna notabilis</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Sida ectogama</i>	0.1	1.5
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.3
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.2
<i>Spermacoce brachystema</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.5
<i>Streptoglossa decurrens</i>	0.1	1.1
<i>Triodia melvillei</i>	0.1	0.4

* denotes weed species

Site: RQ487

Type: Quadrat

Date: 20/10/2020, 19/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 720563 Northing: 7433202

Habitat: Hillcrest

Soil: dark reddish brown hardsetting, clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus gamophylla* and *E. kingsmillii* low open mallee woodland over *Acacia kempeana*, *A. rhodophloia* x *sibirica* and *A. sibirica* tall shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Excellent**Fire Age:** 5-10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	29	0.4
<i>Acacia kempeana</i>	8	2.4
<i>Eucalyptus gamophylla</i>	7	5
<i>Triodia pungens</i>	3	0.5
<i>Acacia rhodophloia</i> x <i>sibirica</i>	1	2.6
<i>Acacia sibirica</i>	1	2.2
<i>Eucalyptus kingsmillii</i>	1	4
<i>Acacia rhodophloia</i>	0.5	2.5
<i>Acacia adsurgens</i>	0.1	1.5
<i>Acacia aptaneura</i>	0.1	2.5
<i>Acacia bivenosa</i>	0.1	1.8
<i>Acacia marramamba</i>	0.1	2.4
<i>Acacia pruinocarpa</i>	0.1	4
<i>Acacia tetragonophylla</i>	0.1	2.1
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.3
<i>Aristida obscura</i>	0.1	0.4
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4
<i>Cymbopogon</i> sp.	0.1	0.4
<i>Duperreya commixta</i>	0.1	2.5

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.8
<i>Goodenia triodiophila</i>	0.1	0.5
<i>Indigofera monophylla</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.1
<i>Psyrax suaveolens</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.6
<i>Senna stricta</i>	0.1	0.8
<i>Seringia exastia</i>	0.1	0.4
<i>Solanum centrale</i>	0.1	0.3
<i>Triodia melvillei</i>	0.1	0.5

Site: RQ520

Type: Quadrat

Date: 14/05/2021

Described by: MM / LD / BL / RM

MGA zone: 50K

Easting: 720497 **Northing:** 7434351

Habitat: Plain

Soil: dark reddish brown hardsetting, cracking (cracks of 5 mm or more), sandy clay

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Aristida latifolia*, *Themeda triandra* and *Chrysopogon fallax* very open tussock grassland with *Aristida contorta* very open annual grassland with **Bidens bipinnata* scattered herbs.

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	6	0.3
<i>Acacia aptaneura</i>	4	6
<i>Aristida latifolia</i>	2	0.6
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.3
<i>Themeda triandra</i>	1	0.5
* <i>Bidens bipinnata</i>	0.5	0.2
<i>Chrysopogon fallax</i>	0.5	0.6
<i>Abutilon cryptopetalum</i>	0.1	0.3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.2
<i>Abutilon macrum</i>	0.1	0.3
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Acacia tetragonophylla</i>	0.1	1.2
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.1
<i>Boerhavia coccinea</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Chrysocephalum gilesii</i>	0.1	0.2

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Name	Cover (%)	Height (m)
<i>Corchorus tridens</i>	0.1	0.1
<i>Cynodon convergens</i>	0.1	0.2
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Enteropogon ramosus</i>	0.1	0.3
<i>Eucalyptus trivalva</i>	0.1	3
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	0.5
<i>Heliotropium heteranthum</i>	0.1	0.1
<i>Heliotropium tanythrix</i>	0.1	0.2
<i>Indigofera linifolia</i>	0.1	0.2
<i>Iseilema eremaeum</i>	0.1	0.1
<i>Iseilema vaginiflorum</i>	0.1	0.3
<i>Maireana</i> sp.	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Phyllanthus erwinii</i>	0.1	0.1
<i>Polycarpha longiflora</i>	0.1	0.1
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Portulaca oleracea</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Ptilotus astrolasius</i>	0.1	0.2
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Ptilotus polystachyus</i>	0.1	0.2
<i>Ptilotus roei</i>	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Salsola australis</i>	0.1	0.3
<i>Senna glaucifolia</i>	0.1	0.3
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida platycalyx</i>	0.1	0.2
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.3
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.6
<i>Spermacoce brachystema</i>	0.1	0.1
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Triodia melvillei</i>	0.1	0.4
<i>Vigna lanceolata</i> var. <i>lanceolata</i>	0.1	0.1

* denotes weed species

Site: RR002

Type: Revele

Date: 08/07/2019, 12/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 743601 Northing: 7443602

Habitat: Hillslope

Soil: dark reddish brown sandy clay loam

Rock type: BIF, Ironstone

Vegetation: *Corymbia ferritcola* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall shrubland over *Senna artemisioides* subsp. *helmsii* and *Ptilotus obovatus* var. *obovatus* scattered shrubs over *Triodia pungens* very open hummock grassland with *Enneapogon polyphyllus* and *Digitaria ctenantha* scattered annual grasses with **Bidens bipinnata* scattered herbs.

Veg Condition: Very Good

Fire Age: Very long unburnt

**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	12	4.5
<i>Acacia aptaneura</i>	6	4
<i>Triodia pungens</i>	5	0.3
<i>Digitaria ctenantha</i>	1	0.3
<i>Enneapogon polyphyllus</i>	1	0.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	1	1.8
* <i>Bidens bipinnata</i>	0.5	0.2
<i>Corymbia ferritcola</i>	0.5	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	3.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	1.2
<i>Abutilon cryptopetalum</i>	0.1	0.1
<i>Abutilon macrum</i>	0.1	0.4
<i>Acacia hamersleyensis</i>	0.1	1.6
<i>Acacia pruinocarpa</i>	0.1	2.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.4
<i>Aristida obscura</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Cucumis variabilis</i>	0.1	0.3
<i>Cymbopogon ambiguus</i>	0.1	0.8
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	0.5
<i>Enneapogon caerulescens</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Eremophila galeata</i>	0.1	2.4
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	2.5
<i>Eriachne mucronata</i>	0.1	0.4
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gompholobium oreophilum</i>	0.1	0.5
<i>Grevillea berryana</i>	0.1	4
<i>Hibiscus burtonii</i>	0.1	0.4
<i>Hibiscus coatesii</i>	0.1	0.05
<i>Iseilema membranaceum</i>	0.1	0.2
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Petalostylis labicheoides</i>	0.1	3.2
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2.8
<i>Schizachyrium fragile</i>	0.1	0.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.5
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	0.6
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.4
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Solanum phlomoides</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.1
<i>Triodia wiseana</i>	0.1	0.4

* denotes weed species

Site: RR048

Type: Revele

Date: 11/07/2019, 12/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 741198 Northing: 7444081

Habitat: Hillslope

Soil: dark reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* very open tussock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	22	3.5
<i>Triodia pungens</i>	5	0.5
<i>Eriachne mucronata</i>	2	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Acacia aptaneura</i>	0.1	1.8
<i>Acacia ayersiana</i>	0.1	3.5
<i>Acacia hamersleyensis</i>	0.1	2.8
<i>Acacia maitlandii</i>	0.1	2.5
<i>Acacia marramamba</i>	0.1	2.3
<i>Acacia pruinocarpa</i>	0.1	2.1
<i>Acacia sibirica</i>	0.1	0.8
<i>Aristida inaequiglumis</i>	0.1	0.7
<i>Aristida obscura</i>	0.1	0.4
* <i>Bidens bipinnata</i>	0.1	0.4
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Capparis lasiantha</i>	0.1	0.5
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Codonocarpus cotinifolius</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Corymbia hamersleyana</i>	0.1	4.8
<i>Digitaria ammophila</i>	0.1	0.3
<i>Digitaria brownii</i>	0.1	0.4
<i>Dodonaea petiolaris</i>	0.1	1.7
<i>Duperreya commixta</i>	0.1	0.5
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.05
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Eriachne aristidea</i>	0.1	0.1
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	1.3
<i>Hibiscus coatesii</i>	0.1	0.4
<i>Indigofera monophylla</i>	0.1	0.3
<i>Leichhardtia australis</i>	0.1	0.1
<i>Maireana villosa</i>	0.1	0.5
<i>Paspalidium clementii</i>	0.1	0.3
<i>Peripleura virgata</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Petalostylis labicheoides</i>	0.1	2.1
<i>Psydrax suaveolens</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3
<i>Rhodanthe margarethae</i>	0.1	0.5
<i>Santalum lanceolatum</i>	0.1	0.9
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.9
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.8
<i>Seringia exastia</i>	0.1	0.6
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.4
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4

* denotes weed species

Site: RR055**Type:** Releve**Date:** 14/09/2019, 10/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 731639 **Northing:** 7435266**Habitat:** Hillslope**Soil:** reddish brown silty clay loam**Rock type:** Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia aptaneura* (*A. pruinocarpa*, *A. inaequilatera*) tall open shrubland over *Triodia pungens*, *T. vanleeuwenii* and *T. wiseana* closed hummock grassland with *Themeda triandra* scattered tussock grasses.

Veg Condition: Excellent**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.4
<i>Triodia vanleeuwenii</i>	25	0.4
<i>Triodia wiseana</i>	25	0.4
<i>Acacia aptaneura</i>	5	5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	6
<i>Acacia pruinocarpa</i>	1	6
<i>Acacia bivenosa</i>	0.5	2.1
<i>Acacia inaequilatera</i>	0.5	3.5
<i>Ptilotus rotundifolius</i>	0.5	0.7
<i>Themeda triandra</i>	0.5	0.5
<i>Abutilon cunninghamii</i>	0.1	0.1
<i>Abutilon lepidum</i>	0.1	0.4
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Acacia ayersiana</i>	0.1	1.6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	4
<i>Acacia incurvaneura</i>	0.1	5
<i>Acacia maitlandii</i>	0.1	1.5
<i>Acacia tenuissima</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.7
<i>Capparis lasiantha</i>	0.1	1
<i>Chrysocephalum pterochaetum</i>	0.1	0.2
<i>Chrysopogon fallax</i>	0.1	1.5
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.8
<i>Duperreya commixta</i>	0.1	2
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.3
<i>Eremophila longifolia</i>	0.1	1.7
<i>Eriachne mucronata</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Goodenia triodiophila</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	1.5
<i>Hakea chordophylla</i>	0.1	2
<i>Heliotropium inexplicitum</i>	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	1
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>	0.1	0.1
<i>Indigofera monophylla</i>	0.1	0.8
<i>Isotropis atropurpurea</i>	0.1	1.5
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Ptilotus calostachyus</i>	0.1	0.3
<i>Ptilotus clementii</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	0.7
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.6
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	1.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.5
<i>Sida echinocarpa</i>	0.1	0.5
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.2
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Tephrosia oxalidea</i>	0.1	0.1

Site: RR071**Type:** Releve**Date:** 15/09/2019, 10/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 732639 **Northing:** 7435250**Habitat:** Hillslope**Soil:** reddish brown silty clay loam**Rock type:** Ironstone**Vegetation:** *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *A. pruinocarpa* and *A. aptaneura* tall open shrubland over *Triodia pungens* (*T. vanleeuwenii*) hummock grassland.**Veg Condition:** Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	45	0.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	3	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1.5	6
<i>Acacia pruinocarpa</i>	1	3.4
<i>Acacia aptaneura</i>	0.5	3.8
<i>Triodia vanleeuwenii</i>	0.5	0.25
<i>Acacia bivenosa</i>	0.1	2.3
<i>Acacia rhodophloia</i>	0.1	1.8
<i>Eremophila</i> ? <i>forrestii</i>	0.1	1.2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.2
<i>Eriachne mucronata</i>	0.1	0.2
<i>Eucalyptus gamophylla</i>	0.1	2.2
<i>Psyrax suaveolens</i>	0.1	1.2
<i>Ptilotus rotundifolius</i>	0.1	0.7
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.7
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.6

? denotes unconfirmed ID

Site: RR077**Type:** Revele**Date:** 16/09/2019, 10/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 736839 **Northing:** 7435018**Habitat:** Gorge**Soil:** red brown silty clay loam**Rock type:** Ironstone

Vegetation: *Corymbia ferritcola* low open woodland over *Acacia catenulata* subsp. *occidentalis* tall open shrubland over *Dodonaea pachyneura* open shrubland over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* and *Cymbopogon ambiguus* very open tussock grassland with *Aristida obscura* and *Digitaria ctenantha* scattered annual grasses.

Veg Condition: Very Good**Fire Age:** 5-10 years**Notes:** See T.A. Hammer et al. in Austral.Syst.Bot. 31:273 (2018)**Species List:**

Name	Cover (%)	Height (m)
<i>Dodonaea pachyneura</i>	9	1.8
<i>Triodia pungens</i>	5	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	4
<i>Corymbia ferritcola</i>	4	4
<i>Eriachne mucronata</i>	3	0.3
<i>Aristida obscura</i>	0.5	0.2
* <i>Bidens bipinnata</i>	0.5	0.25
<i>Digitaria ctenantha</i>	0.5	0.4
<i>Ficus brachypoda</i>	0.4	3
<i>Abutilon cryptopetalum</i>	0.1	0.8
<i>Abutilon otocarpum</i>	0.1	0.2
<i>Acacia aptaneura</i>	0.1	1.3
<i>Acacia pruinocarpa</i>	0.1	1.9
<i>Acrachne racemosa</i>	0.1	0.6
<i>Amaranthus cuspidifolius</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2

Name	Cover (%)	Height (m)
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.4
<i>Capparis lasiantha</i>	0.1	0.2
* <i>Cenchrus setiger</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	1.2
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	0.5
<i>Cucumis variabilis</i>	0.1	0.02
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	2
<i>Enneapogon caeruleus</i>	0.1	0.15
<i>Enneapogon lindleyanus</i>	0.1	0.6
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila longifolia</i>	0.1	2
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	4
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.6
<i>Indigofera gilesii</i> P3	0.1	0.7
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	1
<i>Maireana villosa</i>	0.1	0.3
<i>Nicotiana benthamiana</i>	0.1	0.4
<i>Panicum effusum</i>	0.1	0.6
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Peripleura virgata</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.6
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	1.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Senna glaucifolia</i>	0.1	1.5
<i>Sida arenicola</i>	0.1	1.3
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3

* denotes weed species

Site: RR083

Type: Revele

Date: 16/09/2019, 10/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 737728 Northing: 7435187

Habitat: Hillslope

Soil: reddish brown loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *A. aneura* and *A. pruinocarpa* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* open hummock grassland.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	5
<i>Acacia aneura</i>	2	3
<i>Acacia pruinocarpa</i>	2	5
<i>Acacia rhodophloia</i>	1	2.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Corymbia hamersleyana</i>	0.5	5.5
<i>Grevillea berryana</i>	0.5	3.2
<i>Acacia sibirica</i>	0.1	4
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.3
<i>Digitaria ammophila</i>	0.1	0.2
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Duperreya commixta</i>	0.1	1.5

Name	Cover (%)	Height (m)
<i>Enneapogon caeruleus</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.7
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus gamophylla</i>	0.1	4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.2
<i>Goodenia stobbsiana</i>	0.1	0.1
<i>Heliotropium inexplicitum</i>	0.1	0.2
<i>Hibiscus burtonii</i>	0.1	0.2
<i>Hibiscus sturtii</i> var. <i>platyclamys</i>	0.1	0.2
<i>Paspalidium clementii</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.6
<i>Pterocaulon sphacelatum</i>	0.1	0.2
<i>Ptilotus calostachyus</i>	0.1	0.2
<i>Ptilotus clementii</i>	0.1	0.4
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Ptilotus rotundifolius</i>	0.1	0.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.4
<i>Senna glaucifolia</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.4
<i>Sida arenicola</i>	0.1	0.3
<i>Sida</i> sp. Excedentifolia (J.L. Egan 1925)	0.1	0.2
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)	0.1	0.5
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Tribulus suberosus</i>	0.1	0.2
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.3
<i>Triodia vanleeuwenii</i>	0.1	0.3
<i>Vincetoxicum lineare</i>	0.1	0.6

* denotes weed species

Site: RR099

Type: Releve

Date: 19/09/2019, 26/03/2021

Described by: SS / CM / BL / EL

MGA zone: 50K

Easting: 747341 **Northing:** 7433622

Habitat: Drainage depression

Soil: light reddish brown surface crust, light clay

Rock type: Calcrete

Vegetation: *Eucalyptus victrix* woodland over *Eulalia aurea* and *Eriachne flaccida* closed tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Eulalia aurea</i>	70	0.5
<i>Eriachne flaccida</i>	15	0.3
<i>Eucalyptus victrix</i>	11	18
<i>Alternanthera nana</i>	0.1	0.3
<i>Chrysopogon fallax</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	0.3
<i>Goodenia pascua</i>	0.1	0.1
<i>Synostemon rhytidospermus</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.7
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	1.1
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1
<i>Corymbia candida</i>	0	14

Site: RR101

Type: Revele

Date: 19/09/2019, 23/04/2021

Described by: RD / JA / HP / CM

MGA zone: 50K

Easting: 750561 **Northing:** 7432143

Habitat: Minor drainage

Soil: reddish brown hardsetting, loose, sandy clay

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. citrinoviridis* and *Eremophila galeata* tall open shrubland over *A. tetragonophylla* and *E. forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* scattered hummock grasses over *Chrysopogon fallax*, *Themeda triandra* very open tussock grassland over *Digitaria ctenantha*, *Aristida contorta* and *Enneapogon polyphyllus* very open annual grassland with *Fimbristylis dichotoma* scattered sedges

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	5	6.5
<i>Acacia citrinoviridis</i>	3	7
<i>Digitaria ctenantha</i>	2	0.4
<i>Acacia tetragonophylla</i>	1	1.8
<i>Chrysopogon fallax</i>	1	1.2
<i>Eremophila galeata</i>	1	2.5
<i>Themeda triandra</i>	1	0.7
<i>Triodia pungens</i>	1	0.5
<i>Aristida contorta</i>	0.5	0.2
<i>Enneapogon polyphyllus</i>	0.5	0.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.1
<i>Fimbristylis dichotoma</i>	0.5	0.3
<i>Acacia aneura</i>	0.1	1.3
<i>Acacia rhodophloia</i>	0.1	2.5
<i>Aristida obscura</i>	0.1	0.3
<i>Arivela viscosa</i>	0.1	0.7

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Name	Cover (%)	Height (m)
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Boerhavia gardneri</i>	0.1	0.1
<i>Bothriochloa ewartiana</i>	0.1	0.5
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Corchorus tridens</i>	0.1	0.3
<i>Cynanchum viminalis</i> subsp. <i>australe</i>	0.1	2.5
<i>Duperreya commixta</i>	0.1	0.2
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.4
<i>Eriachne helmsii</i>	0.1	0.6
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Euphorbia biconvexa</i>	0.1	0.3
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Gastrobium grandiflorum</i>	0.1	0.8
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.1
<i>Gomphrena cunninghamii</i>	0.1	0.2
<i>Heliotropium cunninghamii</i>	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	1
<i>Indigofera linifolia</i>	0.1	0.2
<i>Ipomoea muelleri</i>	0.1	0.1
<i>Iseilema membranaceum</i>	0.1	0.3
<i>Isotropis iophyta</i>	0.1	0.7
<i>Marsilea hirsuta</i>	0.1	0.1
<i>Panicum</i> sp.	0.1	0.1
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a)	0.1	0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.1
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>	0.1	0.1
<i>Portulaca cyclophylla</i>	0.1	0.05
<i>Psyrax latifolia</i>	0.1	1.5
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus gaudichaudii</i>	0.1	0.3
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.4
<i>Sida fibulifera</i>	0.1	0.1
<i>Spermacoce brachystema</i>	0.1	0.3

* denotes weed species

Site: RR115

Type: Quadrat

Date: 22/09/2019, 09/04/2021

Described by: KMc / RD / EL / HP

MGA zone: 50K

Easting: 739940 Northing: 7433165

Habitat: Clay plain

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* low open woodland over *Acacia catenulata* subsp. *occidentalis*, *Acacia aptaneura* and *Acacia pruinocarpa* tall shrubland over *Themeda triandra* and *Chrysopogon fallax* open tussock grassland over *Enneapogon polyphyllus* open annual grassland with *Evolvulus alsinoides* var. *villosicalyx* scattered herbs

Veg Condition: Very Good**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	30	0.5
<i>Themeda triandra</i>	15	0.8
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	10	8
<i>Chrysopogon fallax</i>	10	1.4
<i>Acacia aptaneura</i>	8	5
<i>Eucalyptus xerothermica</i>	6	5
<i>Themeda triandra</i> /sp. Hamersley Station (M.E. Trudgen 11431)	3	1.5
<i>Acacia pruinocarpa</i>	1	4
<i>Eremophila lanceolata</i>	0.5	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.5	0.3
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>	0.1	0.2
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	1.1
<i>Aristida latifolia</i>	0.1	1.2
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	1.1

Name	Cover (%)	Height (m)
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Boerhavia coccinea</i>	0.1	0.1
<i>Cucumis variabilis</i>	0.1	0.1
<i>Cynodon convergens</i>	0.1	0.2
<i>Dactyloctenium radulans</i>	0.1	0.2
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	1
<i>Enneapogon lindleyanus</i>	0.1	1.2
<i>Enteropogon ramosus</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.5
<i>Euphorbia biconvexa</i>	0.1	0.2
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.6
<i>Hibiscus leptocladus</i>	0.1	0.4
<i>Indigofera georgei</i>	0.1	0.2
<i>Ipomoea muelleri</i>	0.1	0.1
<i>Iseilema membranaceum</i>	0.1	0.2
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.6
* <i>Malvastrum americanum</i>	0.1	0.7
<i>Panicum decompositum</i>	0.1	0.9
<i>Paspalidium basicladum</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.2
<i>Ptilotus astrolasius</i>	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Rhagodia eremaea</i>	0.1	1.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Rhynchosia minima</i>	0.1	0.1
<i>Salsola australis</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.2
<i>Setaria dielsii</i>	0.1	0.3
* <i>Setaria verticillata</i>	0.1	0.4
<i>Sida ectogama</i>	0.1	1
<i>Sida fibulifera</i>	0.1	0.3
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1	0.3

* denotes weed species

Site: RR154**Type:** Revele**Date:** 10/10/2019, 13/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 748517 **Northing:** 7437928**Habitat:** Gully**Soil:** reddish brown sandy clay loam**Rock type:** Ironstone

Vegetation: *Corymbia hamersleyana* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Androcalva luteiflora* and *Indigofera gilesii* P3 scattered tall shrubs over *Eremophila jucunda* subsp. *pulcherrima* low open shrubland over *Triodia pungens*, *T. wiseana* and *T. vanleeuwenii* very open hummock grassland with *Eriachne mucronata* and *Themeda triandra* open tussock grassland.

Veg Condition: Excellent**Fire Age:** 2-5 years**Species List:**

Name	Cover (%)	Height (m)
<i>Eriachne mucronata</i>	12	0.2
<i>Themeda triandra</i>	8	0.6
<i>Triodia pungens</i>	4	0.4
<i>Corymbia hamersleyana</i>	3	5
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	1	0.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	4
<i>Androcalva luteiflora</i>	0.5	2.4
<i>Indigofera gilesii</i> P3	0.5	2.3
<i>Triodia vanleeuwenii</i>	0.5	0.3
<i>Triodia wiseana</i>	0.5	0.3
<i>Gompholobium oreophilum</i>	0.2	0.4
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.3
<i>Acacia aptaneura</i>	0.1	1.5
<i>Acacia hamersleyensis</i>	0.1	1.8
<i>Acacia maitlandii</i>	0.1	2.5
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.2

Name	Cover (%)	Height (m)
<i>Acacia sibirica</i>	0.1	1.6
<i>Acacia tenuissima</i>	0.1	1.5
<i>Afrohybanthus aurantiacus</i>	0.1	0.3
<i>Cheilanthes brownii</i>	0.1	0.2
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.4
<i>Cymbopogon ambiguus</i>	0.1	0.8
<i>Dampiera candidans</i>	0.1	0.2
<i>Dolichocarpa crouchiana</i>	0.1	0.1
<i>Duperreya commixta</i>	0.1	1.5
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila latrobei</i> subsp. <i>glabra</i>	0.1	1.3
<i>Euphorbia boophthona</i>	0.1	0.4
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.3
<i>Ficus brachypoda</i>	0.1	0.4
<i>Gomphrena cunninghamii</i>	0.1	0.3
<i>Goodenia muelleriana</i>	0.1	0.5
<i>Gossypium robinsonii</i>	0.1	3
<i>Hibiscus coatesii</i>	0.1	0.5
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.3
<i>Indigofera monophylla</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	1.4
<i>Mirbelia viminalis</i>	0.1	0.6
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Peripleura arida</i>	0.1	0.3
<i>Petalostylis labicheoides</i>	0.1	1.1
<i>Phyllanthus erwinii</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.5
<i>Psyrax suaveolens</i>	0.1	0.3
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Ptilotus exaltatus</i>	0.1	0.1
<i>Ptilotus fusiformis</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus rotundifolius</i>	0.1	0.7
<i>Santalum spicatum</i>	0.1	2.5
<i>Senna ferraria</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.9
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.7
<i>Seringia exastia</i>	0.1	0.5
<i>Sida</i> sp.	0.1	0.3
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.4
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Tephrosia densa</i>	0.1	0.7
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.3

Name	Cover (%)	Height (m)
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.9
<i>Triumfetta maconochieana</i>	0.1	0.4

Site: RR161**Type:** Revele**Date:** 12/10/2019, 13/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 750711 **Northing:** 7434117**Habitat:** Gully**Soil:** dark reddish brown silty clay loam**Rock type:** Ironstone

Vegetation: *Corymbia ferritcola* and *Ficus brachypoda* low woodland over *Acacia catenulata* subsp. *occidentalis*, *A. hamersleyensis*, *A. aptaneura* and *Dodonaea pachyneura* tall shrubland over *Triodia pungens* open hummock grassland with *Eriachne mucronata* very open tussock grassland.

Veg Condition: Excellent**Fire Age:** >10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Corymbia ferritcola</i>	15	4.5
<i>Triodia pungens</i>	15	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	11	5
<i>Eriachne mucronata</i>	8	0.3
<i>Acacia hamersleyensis</i>	3	4
<i>Acacia aptaneura</i>	1	5
<i>Dodonaea pachyneura</i>	1	2.5
<i>Ficus brachypoda</i>	0.5	3
<i>Abutilon cryptopetalum</i>	0.1	0.5
<i>Acacia tetragonophylla</i>	0.1	2.5
<i>Androcalva luteiflora</i>	0.1	1.3
<i>Aristida inaequiglumis</i>	0.1	0.8
<i>Astrotricha hamptonii</i>	0.1	2.1
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Capparis lasiantha</i>	0.1	0.4
<i>Cheilanthes brownii</i>	0.1	0.1
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.6

Name	Cover (%)	Height (m)
<i>Cryptandra monticola</i>	0.1	0.8
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	0.5
<i>Eragrostis cumingii</i>	0.1	0.2
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	1.8
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	1.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	2.7
<i>Indigofera gilesii</i> P3	0.1	1.3
<i>Nicotiana benthamiana</i>	0.1	0.5
<i>Perotis rara</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	2.3
<i>Psyrax suaveolens</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.7
<i>Senna ferraria</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.1
<i>Sida fibulifera</i>	0.1	0.2
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.3
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.4
<i>Themeda triandra</i>	0.1	0.5

* denotes weed species

Site: RR166**Type:** Revegetation**Date:** 13/10/2019, 12/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 747872 **Northing:** 7436311**Habitat:** Gully**Soil:** reddish brown silty clay loam**Rock type:** Ironstone

Vegetation: *Corymbia ferritcola* low woodland over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* and *Dodonaea pachyneura* (*Astrotricha hamptonii*) tall shrubland over *Prostanthera albiflora* scattered shrubs over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* and *Cymbopogon ambiguus* open tussock grassland.

Veg Condition: Very Good**Fire Age:** 5-10 years**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	7
<i>Corymbia ferritcola</i>	15	5
<i>Eriachne mucronata</i>	12	0.3
<i>Triodia pungens</i>	5	0.3
<i>Acacia aptaneura</i>	2	7
<i>Cymbopogon ambiguus</i>	2	0.8
<i>Prostanthera albiflora</i>	1	1.5
<i>Ptilotus incanus</i>	1	0.5
<i>Astrotricha hamptonii</i>	0.5	2.2
<i>Dodonaea pachyneura</i>	0.5	2.5
<i>Pluchea dentex</i>	0.5	0.4
<i>Psyrax latifolia</i>	0.5	3.5
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)	0.1	1.4
<i>Acacia citrinoviridis</i>	0.1	6
<i>Acacia hamersleyensis</i>	0.1	1
<i>Acacia mulganeura</i>	0.1	7
<i>Acacia rhodophloia</i>	0.1	5

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Name	Cover (%)	Height (m)
<i>Amaranthus cuspidifolius</i>	0.1	0.3
<i>Androcalva luteiflora</i>	0.1	2.1
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Brachychiton acuminatus</i>	0.1	5
<i>Capparis lasiantha</i>	0.1	0.6
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.15
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1
<i>Codonocarpus cotinifolius</i>	0.1	1
<i>Cynanchum floribundum</i>	0.1	0.2
<i>Digitaria ammophila</i>	0.1	0.6
<i>Digitaria ctenantha</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	2.5
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.4
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	1.1
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Ficus brachypoda</i>	0.1	1.2
<i>Fimbristylis dichotoma</i>	0.1	0.1
<i>Gomphrena cunninghamii</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	4
<i>Hibiscus</i> sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2	0.1	3.2
<i>Nicotiana benthamiana</i>	0.1	0.1
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2	0.1	0.1
<i>Paspalidium clementii</i>	0.1	0.1
<i>Peripleura arida</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.2
<i>Psydrax suaveolens</i>	0.1	2.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.6
<i>Rhodanthe margarethae</i>	0.1	0.1
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	0.1	0.2
<i>Sida</i> sp. Excedentifolia (J.L. Egan 1925)	0.1	0.3
<i>Solanum horridum</i>	0.1	0.2
<i>Triodia wiseana</i>	0.1	0.3

* denotes weed species

Site: RR168

Type: Releve

Date: 13/10/2019, 13/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 749561 **Northing:** 7434356

Habitat: Breakaway

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia brizoides* and *T. pungens* very open hummock grassland with *Eriachne mucronata* very open tussock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	8
<i>Eriachne mucronata</i>	8	0.4
<i>Triodia brizoides</i>	5	0.3
<i>Triodia pungens</i>	5	0.3
<i>Acacia bivenosa</i>	0.1	0.2
<i>Acacia pruinocarpa</i>	0.1	2.7
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida inaequiglumis</i>	0.1	0.8
<i>Astrotricha hamptonii</i>	0.1	2.5
<i>Capparis lasiantha</i>	0.1	1.9
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.15
<i>Corymbia ferriticola</i>	0.1	4
<i>Digitaria brownii</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	7
<i>Grevillea berryana</i>	0.1	1.5
<i>Paspalidium rarum</i>	0.1	0.2
<i>Psyrax latifolia</i>	0.1	1.5
<i>Psyrax suaveolens</i>	0.1	3

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Name	Cover (%)	Height (m)
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.9
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.4
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.5
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.6
<i>Solanum horridum</i>	0.1	0.2
<i>Tribulus suberosus</i>	0.1	0.4

Site: RR169

Type: Revele

Date: 14/10/2019, 12/07/2021

Described by: KMc / MM / HP / CM

MGA zone: 50K

Easting: 743041 Northing: 7438006

Habitat: Breakaway

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Corymbia ferritcola* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall shrubland over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* very open tussock grassland.

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	27	6
<i>Eriachne mucronata</i>	4	0.3
<i>Triodia pungens</i>	3	0.3
<i>Corymbia ferritcola</i>	1	5
<i>Acacia aptaneura</i>	0.5	6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)	0.1	1.5
<i>Acacia hamersleyensis</i>	0.1	2.1
<i>Amaranthus cuspidifolius</i>	0.1	0.1
<i>Aristida contorta</i>	0.1	0.4
<i>Aristida inaequiglumis</i>	0.1	0.7
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Cheilanthes brownii</i>	0.1	0.15
<i>Codonocarpus cotinifolius</i>	0.1	0.3
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Digitaria ammophila</i>	0.1	0.5
<i>Duperreya commixta</i>	0.1	3
<i>Dysphania rhadinostachya</i>	0.1	0.1

Name	Cover (%)	Height (m)
<i>Enneapogon polyphyllus</i>	0.1	0.5
<i>Euphorbia drummondii</i>	0.1	0.2
<i>Ficus brachypoda</i>	0.1	0.2
<i>Gomphrena cunninghamii</i>	0.1	0.2
<i>Hibiscus coatesii</i>	0.1	0.5
<i>Iseilema eremaeum</i>	0.1	0.2
<i>Maireana villosa</i>	0.1	0.3
<i>Paspalidium clementii</i>	0.1	0.2
<i>Psyrax latifolia</i>	0.1	1.2
<i>Ptilotus exaltatus</i>	0.1	0.3
<i>Ptilotus incanus</i>	0.1	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.4
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>	0.1	0.5
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.2
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.8
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.3
<i>Solanum cleistogamum</i>	0.1	0.2
<i>Streptoglossa decurrens</i>	0.1	0.3
<i>Themeda triandra</i>	0.1	0.5

* denotes weed species

Site: RR175**Type:** Revegetation**Date:** 15/10/2019, 13/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 740068 **Northing:** 7437621**Habitat:** Breakaway**Soil:** red brown sandy clay loam**Rock type:** Ironstone

Vegetation: *Corymbia ferritcola* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall shrubland over *Triodia pungens* open hummock grassland over *Eriachne mucronata* very open tussock grassland.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	7
<i>Triodia pungens</i>	15	0.4
<i>Acacia aptaneura</i>	10	6
<i>Eriachne mucronata</i>	6	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	8
<i>Corymbia ferritcola</i>	0.5	3
<i>Enneapogon polyphyllus</i>	0.5	0.2
<i>Acacia hamersleyensis</i>	0.1	0.8
<i>Acacia mulganeura</i>	0.1	1.2
<i>Acacia pruinocarpa</i>	0.1	1.3
<i>Amaranthus cuspidifolius</i>	0.1	0.2
<i>Aristida contorta</i>	0.1	0.4
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	1
<i>Aristida obscura</i>	0.1	0.2
<i>Astrotricha hamptonii</i>	0.1	1.2
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	0.5

Name	Cover (%)	Height (m)
<i>Codonocarpus cotinifolius</i>	0.1	0.5
<i>Digitaria ammophila</i>	0.1	0.4
<i>Digitaria ctenantha</i>	0.1	1.5
<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>	0.1	1.8
<i>Duperreya commixta</i>	0.1	2
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.2
<i>Enneapogon lindleyanus</i>	0.1	0.7
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1	0.8
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Hibiscus coatesii</i>	0.1	0.5
<i>Hibiscus</i> sp. Gurinbidy Range (M.E. Trudgen MET 15708) P2	0.1	1.6
<i>Maireana villosa</i>	0.1	0.4
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Paspalidium clementii</i>	0.1	0.2
<i>Psyrax latifolia</i>	0.1	4
<i>Pterocaulon</i> sp.	0.1	0.6
<i>Ptilotus exaltatus</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.4
<i>Rhodanthe margarethae</i>	0.1	0.1
<i>Santalum lanceolatum</i>	0.1	4.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.6
<i>Sida ectogama</i>	0.1	0.5
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.4
<i>Sida</i> sp. L (A.M. Ashby 4202)	0.1	0.1
<i>Solanum horridum</i>	0.1	0.2
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Triodia melvillei</i>	0.1	0.5

* denotes weed species

Site: RR184**Type:** Revele**Date:** 16/10/2019, 12/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 753420 **Northing:** 7437192**Habitat:** Minor drainage**Soil:** reddish brown loam**Rock type:** Ironstone

Vegetation: *Eucalyptus xerothermica* and *Corymbia hamersleyana* low open woodland over *E. socialis* subsp. *eucentrica* low open mallee woodland over *Acacia citrinoviridis*, *A. catenulata* subsp. *occidentalis* and *A. maitlandii* tall shrubland over *Triodia pungens* open hummock grassland with *Themeda triandra* very open tussock grassland.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia citrinoviridis</i>	18	6
<i>Triodia pungens</i>	15	0.4
<i>Themeda triandra</i>	8	0.5
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	5	3.5
<i>Eucalyptus xerothermica</i>	3	9
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	3
<i>Acacia maitlandii</i>	1	3
<i>Corymbia hamersleyana</i>	1	5
<i>Acacia aptaneura</i>	0.5	3
<i>Acacia adsurgens</i>	0.1	1.7
<i>Acacia pruinocarpa</i>	0.1	1.1
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.1
<i>Acacia sibirica</i>	0.1	1.8
<i>Acacia tetragonophylla</i>	0.1	1.9
<i>Androcalva luteiflora</i>	0.1	1.7
<i>Aristida contorta</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	0.8
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.2
<i>Digitaria brownii</i>	0.1	0.6
<i>Digitaria ctenantha</i>	0.1	0.4
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	0.6
<i>Duperreya commixta</i>	0.1	3
<i>Enneapogon polyphyllus</i>	0.1	0.4
<i>Eragrostis cumingii</i>	0.1	0.4
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eulalia aurea</i>	0.1	0.5
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>	0.1	0.2
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.3
<i>Goodenia vilmorinae</i>	0.1	0.4
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>	0.1	0.1
<i>Isotropis iophyta</i>	0.1	0.7
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.7
<i>Panicum effusum</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.5
<i>Paspalidium rarum</i>	0.1	0.2
<i>Perotis rara</i>	0.1	0.1
<i>Petalostylis labicheoides</i>	0.1	2.2
<i>Psyrax latifolia</i>	0.1	1.8
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Santalum lanceolatum</i>	0.1	2.3
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	2.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.1
<i>Setaria surgens</i>	0.1	0.4
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.3
<i>Triodia vanleeuwenii</i>	0.1	0.3

* denotes weed species

Site: RR248**Type:** Releve**Date:** 24/06/2020, 12/07/2021**Described by:** KMc / MM / HP / CM**MGA zone:** 50K**Easting:** 751780 **Northing:** 7445434**Habitat:** Breakaway**Soil:** reddish brown sandy clay loam**Rock type:** Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* (*A. aptaneura*, *Grevillea berryana*) tall open scrub over *Eremophila latrobei* subsp. *latrobei* scattered shrubs over *Triodia brizoides* and *T. pungens* very open hummock grassland with *Eriachne mucronata* scattered tussock grasses with *E. obtusa* and *Paspalidium clementii* scattered annual grasses.

Veg Condition: Excellent**Fire Age:** Very long unburnt**Species List:**

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	62	6
<i>Acacia aptaneura</i>	3	6
<i>Grevillea berryana</i>	2	3
<i>Triodia brizoides</i>	2	0.3
<i>Triodia pungens</i>	2	0.3
<i>Eriachne mucronata</i>	1	0.4
<i>Acacia mulganeura</i>	0.5	4.5
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.5	2
<i>Eriachne obtusa</i>	0.5	0.4
<i>Paspalidium clementii</i>	0.5	0.2
<i>Acacia bivenosa</i>	0.1	1.2
<i>Acacia tetragonophylla</i>	0.1	0.8
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida holathera</i> var. <i>holathera</i>	0.1	0.2
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.5
<i>Aristida obscura</i>	0.1	0.2
<i>Arivela viscosa</i>	0.1	0.3

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Name	Cover (%)	Height (m)
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Bulbostylis barbata</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.2
<i>Codonocarpus cotinifolius</i>	0.1	1.8
<i>Digitaria ammophila</i>	0.1	0.1
<i>Digitaria brownii</i>	0.1	0.2
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1	0.2
<i>Enneapogon ?lindleyanus</i>	0.1	0.2
<i>Enneapogon polyphyllus</i>	0.1	0.3
<i>Eragrostis setifolia</i>	0.1	0.4
<i>Eriachne aristidea</i>	0.1	0.3
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1	0.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	2.5
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.2
<i>Fimbristylis dichotoma</i>	0.1	0.2
<i>Goodenia muelleriana</i>	0.1	0.1
<i>Hibiscus burtonii</i>	0.1	0.3
<i>Jasminum didymum</i> subsp. <i>lineare</i>	0.1	0.3
<i>Paraneurachne muelleri</i>	0.1	0.4
<i>Peripleura arida</i>	0.1	0.2
<i>Peripleura virgata</i>	0.1	0.1
<i>Perotis rara</i>	0.1	0.1
<i>Polycarpaea longiflora</i>	0.1	0.4
<i>Polygala glaucifolia</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	1.7
<i>Psyrax suaveolens</i>	0.1	1.1
<i>Ptilotus exaltatus</i>	0.1	0.2
<i>Ptilotus helipteroides</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Schizachyrium fragile</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	0.7
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	0.5
<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)	0.1	0.1
<i>Sida</i> sp. <i>Pilbara</i> (A.A. Mitchell PRP 1543)	0.1	0.1
<i>Solanum cleistogamum</i>	0.1	0.1
<i>Solanum lasiophyllum</i>	0.1	0.3
<i>Sporobolus australasicus</i>	0.1	0.2
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.2
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.3
<i>Triodia melvillei</i>	0.1	0.5
<i>Triodia wiseana</i>	0.1	0.4

* denotes weed species

? denotes unconfirmed ID

Site: RR501 **Type:** Releve
Date: 26/03/2021 **Described by:** SS / CM / BL / EL
MGA zone: 50K **Easting:** 746791 **Northing:** 7433429
Habitat: Drainage depression
Soil: reddish brown clay loam
Vegetation: *Eucalyptus victrix* woodland over *Eulalia aurea* and *Eriachne flaccida* closed tussock grassland
Veg Condition: Excellent
Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eulalia aurea</i>	75	0.5
<i>Eucalyptus victrix</i>	11	13
<i>Eriachne flaccida</i>	10	0.3
<i>Alternanthera nana</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	0.6
<i>Cucumis melo</i>	0.1	0.1
<i>Pterocaulon sphacelatum</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.5
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>	0.1	0.8

Site: RRMNBE01 **Type:** Mapping Note
Date: 12/06/2019 **Described by:** KMc/BE
MGA zone: 50K **Easting:** 737168 **Northing:** 7433651
Habitat: Clay plain
Vegetation: *Astrebla elymoides* and *Aristida inaequiglumis* tussock grassland
Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	55	0.5
<i>Aristida inaequiglumis</i>	1	0.7
<i>Themeda triandra</i>	0.1	1

Site: RRMNBE02

Type: Mapping Note

Date: 12/06/2019

Described by: KMc/BE

MGA zone: 50K

Easting: 733908 **Northing:** 7434755

Habitat: Clay plain

Vegetation: *Astrebla elymoides*, *Aristida inaequiglumis* and *Eragrostis setifolia* tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	35	0.5
<i>Aristida inaequiglumis</i>	2	0.7
<i>Eragrostis setifolia</i>	1	0.2
<i>Chrysopogon fallax</i>	0.1	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Rhagodia eremaea</i>	0.1	0.5
<i>Salsola australis</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.1

Site: RRMNBE03

Type: Mapping Note

Date: 12/06/2019

Described by: KMc/BE

MGA zone: 50K

Easting: 729044 **Northing:** 7434183

Habitat: Plain

Vegetation: *Acacia aptaneura*, *A. pruinocarpa* and *A. catenulata* subsp. *occidentalis* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* open shrubland over *Eremophila* sp. and *Ptilotus schwartzii* var. *schwartzii* low open shrubland over *Triodia melvillei* very open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	4	0.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	3	1.5
<i>Acacia aptaneura</i>	2	4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	4.5
<i>Acacia pruinocarpa</i>	1	5
<i>Eremophila caespitosa</i>	1	0.3
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	1	0.3
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Grevillea berryana</i>	0.1	4
<i>Psyrax latifolia</i>	0.1	2

Site: RRMNBE04

Type: Mapping Note

Date: 14/06/2019

Described by: KMc/BE

MGA zone: 50K

Easting: 730635 **Northing:** 7436359

Habitat: Clay plain

Soil: dark reddish brown light clay

Rock type: BIF

Vegetation: *Acacia aptaneura* and *A. pruinocarpa* tall open shrubland over *Ptilotus obovatus* and *Eremophila lanceolata* low open shrubland over *Aristida ingrata* and *Chrysopogon fallax* very open tussock grassland

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	5	2.8
<i>Aristida ingrata</i>	3	1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.5
<i>Acacia pruinocarpa</i>	2	3.2
<i>Chrysopogon fallax</i>	2	1.3
<i>Eremophila lanceolata</i>	1	0.4
<i>Anthobolus leptomerioides</i>	0.1	1.4
<i>Aristida obscura</i>	0.1	0.3
<i>Duperreya commixta</i>	0.1	1.5
<i>Maireana trichoptera</i>	0.1	0.3
<i>Psyrax latifolia</i>	0.1	1.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	0.1	1.3
<i>Triodia pungens</i>	0.1	0.5

Site: RRMNBE05

Type: Mapping Note

Date: 15/06/2019

Described by: KMc/BE

MGA zone: 50K

Easting: 722503 **Northing:** 7437004

Habitat: Clay plain

Vegetation: *Astrelba pectinata*, *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) and *Eriachne benthamii* open tussock grassland with *Sida fibulifera* scattered herbs

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrelba pectinata</i>	18	0.5
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	5	1.3
<i>Eriachne benthamii</i>	1	0.4
<i>Sida fibulifera</i>	0.5	0.15
<i>Aristida latifolia</i>	0.1	0.4
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>	0.1	0.1
<i>Neptunia dimorphantha</i>	0.1	0.05
* <i>Vachellia farnesiana</i>	0.1	0.7

* denotes weed species

Site: 10RB001a

Type: Mapping Note

Date: 06/08/2020

Described by: MM / BE / LD / PJ

MGA zone: 50K

Easting: 744409 **Northing:** 7437958

Vegetation: *Corymbia ferriticola* low open woodland over *Acacia catenulata* subsp. *occidentalis* and *Gossypium robinsonii* tall open shrubland over *Dodonaea pachyneura* open shrubland over *Triodia pungens* open hummock grassland with *Eriachne mucronata* very open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	15	0.5
<i>Corymbia ferriticola</i>	5	4.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	4
<i>Eriachne mucronata</i>	4	0.4
<i>Dodonaea pachyneura</i>	3	1.5
<i>Gossypium robinsonii</i>	1	2.2

Site: 10RL002

Type: Mapping Note

Date: 31/07/2020

Described by: MM / BE / LD / PJ

MGA zone: 50K

Easting: 717836 **Northing:** 7430887

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall open shrubland over *Eriachne benthamii*, *Aristida obscura*, *Themeda triandra* and *Chrysopogon fallax* very open tussock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Eriachne benthamii</i>	4	0.5
<i>Acacia aptaneura</i>	2	4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	4.5
<i>Acacia pruinocarpa</i>	1	4
<i>Aristida inaequiglumis</i>	0.5	0.3
<i>Aristida obscura</i>	0.5	0.4
<i>Chrysopogon fallax</i>	0.5	0.3
<i>Themeda triandra</i>	0.5	0.6

Site: 13RMBE01

Type: Mapping Note

Date: 21/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 740766 **Northing:** 7437520

Habitat: Gorge

Vegetation: *Corymbia ferritcola* low open woodland over *Acacia catenulata* subsp. *occidentalis* (and *A. mulganeura*) tall shrubland over *Astrotricha hamptonii* scattered shrubs over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* very open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	6
<i>Corymbia ferritcola</i>	6	6
<i>Eriachne mucronata</i>	5	0.4
<i>Triodia pungens</i>	3	0.5
<i>Acacia mulganeura</i>	1	5
<i>Astrotricha hamptonii</i>	1	1.5
<i>Hibiscus</i> sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2	0.1	1.5

Site: 13RMPL12

Type: Mapping Note

Date: 13/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 721340 **Northing:** 7437101

Habitat: Stony plain

Soil: reddish brown clay loam

Rock type: Ironstone, Mudstone, Quartz

Vegetation: *Eucalyptus repullulans* and *E. socialis* subsp. *eucentrica* low open mallee woodland over *Triodia wiseana* and *T. angusta* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	15	0.4
<i>Eucalyptus repullulans</i>	6	3
<i>Triodia angusta</i>	5	0.6
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	2	3.5

Site: 13RMPL13

Type: Mapping Note

Date: 15/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 721304 **Northing:** 7437610

Soil: dark reddish brown light clay

Rock type: Calcrete, Ironstone

Vegetation: *Astrebla elymoides*, *Aristida latifolia* and *Themeda triandra* very open tussock grassland

Veg Condition: Excellent

Fire Age: 5-10 years

Notes: See P.M. Peterson et al. in Taxon 64:456 (2015)



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	3	0.9
<i>Aristida latifolia</i>	1	1
<i>Eragrostis xerophila</i>	1	0.4
<i>Themeda triandra</i>	1	0.9
<i>Cynodon convergens</i>	0.1	0.3
<i>Heliotropium tanythrix</i>	0.1	0.1
<i>Panicum laevinode</i>	0.1	0.3
<i>Polymeria longifolia</i>	0.1	0.2
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.3

Site: 13RMPL34

Type: Mapping Note

Date: 18/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 722925 **Northing:** 7437309

Rock type: Dolerite

Vegetation: *Acacia inaequilatera* scattered tall shrubs over *Triodia wiseana* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	22	0.7
<i>Acacia inaequilatera</i>	1	3
<i>Acacia sibirica</i>	0.1	1.6
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.7
<i>Corymbia hamersleyana</i>	0.1	8
<i>Ptilotus auriculifolius</i>	0.1	0.3

Site: 13RMPL35

Type: Mapping Note

Date: 18/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 722747 **Northing:** 7437687

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* low open mallee woodland over *Acacia synchronicia* scattered tall shrubs over *A. sibirica* and *A. tetragonophylla* shrubland over *Triodia wiseana* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	22	0.6
<i>Acacia sibirica</i>	8	1.9
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	3	4
<i>Acacia tetragonophylla</i>	2	1.9
<i>Acacia synchronicia</i>	0.5	2.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3

Site: 13RMPL36

Type: Mapping Note

Date: 18/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 722658 **Northing:** 7437810

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* low mallee woodland over *Triodia angusta* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	0	0
<i>Triodia angusta</i>	0	0

Site: 13RMPL37

Type: Mapping Note

Date: 18/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 722749 **Northing:** 7438004

Vegetation: *Eremophila lachnocalyx* open shrubland over *Astrelba elymoides*, *Aristida latifolia* and *Eragrostis xerophila* very open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Aristida latifolia</i>	0	0
<i>Astrelba elymoides</i>	0	0
<i>Eragrostis xerophila</i>	0	0
<i>Eremophila lachnocalyx</i>	0	0

Site: 13RMPL38

Type: Mapping Note

Date: 18/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 722717 **Northing:** 7438067

Vegetation: *Eucalyptus repullulans* low mallee woodland over *Triodia angusta* and *T. wiseana* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus repullulans</i>	0	0
<i>Triodia angusta</i>	0	0
<i>Triodia wiseana</i>	0	0

Site: 13RMPL49

Type: Mapping Note

Date: 20/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 722396 **Northing:** 7438336

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* and *E. repullulans* low open mallee woodland over *Melaleuca eleuterostachya* low shrubland over *Triodia wiseana* and *T. angusta* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus repullulans</i>	0	0
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	0	0
<i>Melaleuca eleuterostachya</i>	0	0
<i>Triodia angusta</i>	0	0
<i>Triodia wiseana</i>	0	0

Site: 13RMPL52

Type: Mapping Note

Date: 20/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 722378 **Northing:** 7437798

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Senna artemisioides* subsp. x *artemisioides* scattered shrubs over *Astrebla pectinata*, *A. elymoides* and *Aristida latifolia* tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	0	0
<i>Aristida latifolia</i>	0	0
<i>Astrebla elymoides</i>	0	0
<i>Astrebla pectinata</i>	0	0
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>	0	0

Site: 13RMPL53

Type: Mapping Note

Date: 20/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 720762 **Northing:** 7433515

Vegetation: *Eucalyptus gamophylla* (and *E. trivalva*) low mallee woodland over *Acacia ancistrocarpa*, *A. kempeana* and *A. pruinocarpa* tall open shrubland over *Triodia vanleeuwenii* (and *Triodia pungens*) hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	31	0.5
<i>Eucalyptus gamophylla</i>	10	5
<i>Acacia ancistrocarpa</i>	4	3
<i>Triodia pungens</i>	3	0.4
<i>Acacia kempeana</i>	1	2.2
<i>Acacia pruinocarpa</i>	1	3
<i>Eucalyptus trivalva</i>	1	5
<i>Acacia aptaneura</i>	0.1	2.6

Site: 13RMPL54

Type: Mapping Note

Date: 21/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 740574 **Northing:** 7437717

Habitat: Hillslope

Vegetation: *Corymbia hamersleyana* (and *Eucalyptus leucophloia* subsp. *leucophloia*) low open woodland over *E. kingsmillii* and *E. gamophylla* low open mallee woodland over *Hakea chordophylla* scattered tall shrubs over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Corymbia hamersleyana</i>	0	0
<i>Eucalyptus gamophylla</i>	0	0
<i>Eucalyptus kingsmillii</i>	0	0
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0	0
<i>Hakea chordophylla</i>	0	0
<i>Triodia vanleeuwenii</i>	0	0

Site: 13RMPL55

Type: Mapping Note

Date: 21/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 741101 **Northing:** 7437592

Habitat: Gorge

Vegetation: *Corymbia ferritcola* low open woodland over *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* very open hummock grassland over *Eriachne mucronata* very open tussock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	18	9
<i>Corymbia ferritcola</i>	5	8
<i>Eriachne mucronata</i>	3	0.4
<i>Triodia pungens</i>	3	0.5
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.8
<i>Paspalidium clementii</i>	0.1	0.1
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.8

Site: 13RMPL56

Type: Mapping Note

Date: 21/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 741101 **Northing:** 7437592

Habitat: Gorge

Vegetation: *Corymbia ferritcola* low open woodland over *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* very open hummock grassland over *Eriachne mucronata* very open tussock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	18	9
<i>Corymbia ferritcola</i>	5	8
<i>Eriachne mucronata</i>	3	0.4
<i>Triodia pungens</i>	3	0.5
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.8
<i>Paspalidium clementii</i>	0.1	0.1
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.8

Site: 13RMPL57

Type: Mapping Note

Date: 21/10/2020

Described by: BE / PL

MGA zone: 50K

Easting: 741101 **Northing:** 7437592

Habitat: Gorge

Vegetation: *Corymbia ferriticola* low open woodland over *Acacia catenulata* subsp. *occidentalis* and *Acacia aptaneura* tall open scrub over *Triodia pungens* very open hummock grassland over *Eriachne mucronata* very open tussock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	28	9
<i>Corymbia ferriticola</i>	5	8
<i>Acacia aptaneura</i>	3	8
<i>Eriachne mucronata</i>	3	0.4
<i>Triodia pungens</i>	3	0.5
<i>Acacia mulganeura</i>	0.1	3
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	0.8
<i>Paspalidium clementii</i>	0.1	0.1
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.8

Site: 19RMC01

Type: Mapping Note

Date: 26/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 741539 **Northing:** 7438740

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia rhodophloia* and *A. pruinocarpa* tall open shrubland over *Gompholobium oreophilum*, *A. adoxa* var. *adoxo* and *A. hilliana* low open shrubland over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	11	0.2
<i>Triodia pungens</i>	5	0.4
<i>Gompholobium oreophilum</i>	3	0.5
<i>Acacia adoxa</i> var. <i>adoxo</i>	2	0.4
<i>Acacia rhodophloia</i>	2	2.3
<i>Acacia hilliana</i>	1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Acacia pruinocarpa</i>	0.5	4.5
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.5	0.6
<i>Codonocarpus cotinifolius</i>	0.1	1.3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4
<i>Indigofera monophylla</i>	0.1	0.1
<i>Ptilotus calostachyus</i>	0.1	1.1
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.3

Site: 19RMC02

Type: Mapping Note

Date: 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 750188 **Northing:** 7435509

Habitat: Major drainage

Soil: reddish brown

Vegetation: *Corymbia hamersleyana* and *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Eucalyptus gamophylla* low open mallee woodland over *Acacia tenuissima* scattered shrubs over *Triodia vanleeuwenii* very open hummock grassland

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	5	0.3
<i>Eucalyptus gamophylla</i>	3	2.5
<i>Corymbia hamersleyana</i>	1	4.5
<i>Acacia tenuissima</i>	0.5	1.4
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	3
<i>Paraneurachne muelleri</i>	0.5	0.5
<i>Acacia adsurgens</i>	0.1	1
<i>Acacia pruinocarpa</i>	0.1	0.8
<i>Acacia sibirica</i>	0.1	0.5

Site: 19RMK001

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 732099 **Northing:** 7443209

Habitat: Footslope

Rock type: Ironstone

Vegetation: *Acacia inaequilatera* scattered tall shrubs over *Triodia vanleeuwenii* open hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.4
<i>Acacia inaequilatera</i>	0.5	2.8
<i>Acacia ancistrocarpa</i>	0.1	1.8
<i>Acacia pruinocarpa</i>	0.1	3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4.5
<i>Fimbristylis simulans</i>	0.1	0.2
<i>Hakea chordophylla</i>	0.1	3
<i>Triodia wiseana</i>	0.1	0.6

Site: 19RMK002

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731738 **Northing:** 7443528

Rock type: Ironstone, Quartz

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. pruinocarpa* tall open shrubland over *Triodia vanleeuwenii* and *Triodia melvillei* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	18	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	3.7
<i>Triodia melvillei</i>	4	0.6
<i>Acacia aptaneura</i>	2	6
<i>Acacia pruinocarpa</i>	2	3
<i>Acacia ayersiana</i>	0.5	2.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Acacia sibirica</i>	0.1	1.3
<i>Aristida ingrata</i>	0.1	1.2

Site: 19RMK003

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731471 **Northing:** 7443648

Vegetation: *Eucalyptus leucophloia* scattered low trees over *Acacia catenulata*, *A. aptaneura* and *A. pruinocarpa* tall open shrubland over *Triodia vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Acacia aptaneura</i>	0.5	6
<i>Acacia pruinocarpa</i>	0.5	2.1

Site: 19RMK004

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731367 **Northing:** 7443801

Habitat: Major drainage

Vegetation: *Eucalyptus victrix* and *E. leucophloia* subsp. *leucophloia* low open woodland over *Acacia citrinoviridis*, *A. aptaneura* and *Androcalva luteiflora* tall shrubland over *Triodia pungens* very open hummock grassland with *Eulalia aurea* and *Themeda triandra* very open tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia citrinoviridis</i>	15	4
<i>Triodia pungens</i>	8	0.4
<i>Acacia aptaneura</i>	5	3
<i>Eulalia aurea</i>	3	0.6
<i>Androcalva luteiflora</i>	1	2.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Eucalyptus victrix</i>	1	8
<i>Themeda triandra</i>	1	0.4
<i>Cymbopogon ambiguus</i>	0.1	1
<i>Petalostylis labicheoides</i>	0.1	2.2

Site: 19RMK005

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731297 **Northing:** 7443875

Vegetation: *Eucalyptus gamophylla* low open mallee woodland over *Triodia vanleeuwenii* hummock grassland.

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.3
<i>Eucalyptus gamophylla</i>	5	4
<i>Acacia ancistrocarpa</i>	0.1	1.8
<i>Acacia pruinocarpa</i>	0.1	1.8
<i>Hakea chordophylla</i>	0.1	3

Site: 19RMK006

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 730921 **Northing:** 7443870

Vegetation: *Eucalyptus gamophylla* and *E. socialis* subsp. *eucentrica* scattered low mallees over *Acacia pruinocarpa* scattered shrubs over *Triodia vanleeuwenii* hummock grassland.

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.3
<i>Acacia pruinocarpa</i>	0.5	2.1
<i>Eucalyptus gamophylla</i>	0.5	4
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	0.5	4
<i>Acacia aptaneura</i>	0.1	2.5

Site: 19RMK007

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 730565 **Northing:** 7443902

Rock type: Dolerite, Ironstone, Quartz

Vegetation: *Eucalyptus socialis* subsp. *eucentrica* scattered low mallees over *Triodia wiseana* open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	18	0.7
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	1.5	2.8

Site: 19RMK008

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 730155 **Northing:** 7443854

Rock type: Basalt

Vegetation: *Triodia wiseana* open hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	18	0.7
<i>Acacia sibirica</i>	0.1	0.8
<i>Enneapogon caerulescens</i>	0.1	0.2

Site: 19RMK009

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 730373 **Northing:** 7443078

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. pruinocarpa* and *A. aptaneura* tall open shrubland over *Triodia melvillei* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	15	1
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	3	4
<i>Acacia pruinocarpa</i>	3	2.7
<i>Acacia aptaneura</i>	2	4

Site: 19RMK010

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 730918 **Northing:** 7442812

Rock type: Ironstone

Vegetation: *Acacia pruinocarpa*, *A. aptaneura* and *A. catenulata* subsp. *occidentalis* tall open shrubland over *Triodia vanleeuwenii* and *T. melvillei* open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.3
<i>Acacia pruinocarpa</i>	2	4
<i>Acacia aptaneura</i>	1	4
<i>Triodia melvillei</i>	1	0.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	5
<i>Acacia sibirica</i>	0.5	2.5
<i>Eucalyptus gamophylla</i>	0.1	5

Site: 19RMK011

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731379 **Northing:** 7442768

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Eucalyptus gamophylla* scattered low mallees over *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. sibirica* tall shrubland over *A. pruinocarpa* scattered shrubs over *Triodia melvill*

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	15	0.5
<i>Acacia aptaneura</i>	5	4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	6
<i>Acacia sibirica</i>	3	3
<i>Triodia vanleeuwenii</i>	3	0.4
<i>Acacia pruinocarpa</i>	1.5	1.8
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	4
<i>Eucalyptus gamophylla</i>	0.5	5

Site: 19RMK012

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731610 **Northing:** 7441569

Soil: reddish brown clay loam

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Acacia aptaneura* tall shrubland over *Eremophila forrestii* subsp. *forrestii* open shrubland over *Themeda triandra*, *Eulalia aurea*, *Chrysopogon fallax* and *Eragrostis setifolia* tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	40	1.1
<i>Acacia aptaneura</i>	12	7
<i>Eulalia aurea</i>	10	1
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	3	1.8
<i>Chrysopogon fallax</i>	2	1.3
<i>Eragrostis setifolia</i>	1	0.4
<i>Eucalyptus xerothermica</i>	1	5
<i>Enneapogon polyphyllus</i>	0.1	0.2
<i>Eragrostis cumingii</i>	0.1	0.1
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1
<i>Panicum effusum</i>	0.1	0.3
<i>Perotis rara</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.8
<i>Sida fibulifera</i>	0.1	0.2

Site: 19RMK020

Type: Mapping Note

Date: 27/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 751610 **Northing:** 7434364

Habitat: Hillslope

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Hakea chordophylla* scattered tall shrubs over *Acacia hilliana* and *A. adoxa* var. *adoxo* low shrubland over *Triodia wiseana* and *T. vanleeuwenii* very open hummock grassland

Veg Condition: Excellent

Fire Age: 0-2 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia hilliana</i>	8	0.2
<i>Acacia adoxa</i> var. <i>adoxo</i>	3	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	6
<i>Triodia vanleeuwenii</i>	3	0.2
<i>Triodia wiseana</i>	3	0.3
<i>Hakea chordophylla</i>	0.5	3

Site: 19RMK021

Type: Mapping Note

Date: 27/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 751646 **Northing:** 7434503

Habitat: Hillslope

Rock type: Ironstone

Vegetation: *Corymbia deserticola* subsp. *deserticola* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia trudgeniana* and *Hakea chordophylla* scattered tall shrubs over *A. adoxa* var. *adoxo* and *A. hilliana* scattered low shrubs over *Triodia vanlee*

Veg Condition: Excellent

Fire Age: 0-2 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	4	0.2
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	2	5
<i>Fimbristylis simulans</i>	1	0.2
<i>Acacia trudgeniana</i>	0.5	3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Hakea chordophylla</i>	0.5	3

Site: 19RMK024

Type: Mapping Note

Date: 29/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 747517 **Northing:** 7436384

Habitat: Hillcrest

Rock type: Ironstone

Vegetation: *Corymbia hamersleyana* scattered low trees over *Eucalyptus gamophylla* low open mallee woodland over *Triodia vanleeuwenii* and *T. wiseana* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.3
<i>Triodia wiseana</i>	5	0.4
<i>Eucalyptus gamophylla</i>	3	1.8
<i>Corymbia hamersleyana</i>	0.5	3.7

Site: 19RMK025

Type: Mapping Note

Date: 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 733368 **Northing:** 7439576

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Hakea chordophylla* scattered tall shrubs over *Acacia spondylophylla* scattered low shrubs over *Triodia vanleeuwenii* open hummock grassland.

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.4
<i>Acacia spondylophylla</i>	1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Hakea chordophylla</i>	0.5	3
<i>Acacia aptaneura</i>	0.1	2
<i>Acacia pruinocarpa</i>	0.1	3

Site: 19RMK026

Type: Mapping Note

Date: 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 732466 **Northing:** 7440853

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *E. xerothermica* scattered low trees over *E. socialis* subsp. *eucentrica* low open mallee woodland with *Acacia aptaneura* tall shrubland over *Androcalva luteiflora*, *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Ptilotus obovatus* var. *obovatus* scattered low shrubs over *Triodia wiseana* very open hummock grassland with *Themeda triandra* and *Chrysopogon fallax* open tussock grassland.

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	25	0.8
<i>Acacia aptaneura</i>	11	4
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	8	2.8
<i>Triodia wiseana</i>	3	0.5
<i>Androcalva luteiflora</i>	0.5	1.6
<i>Chrysopogon fallax</i>	0.5	1.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Eucalyptus xerothermica</i>	0.5	5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.8
<i>Acacia citrinoviridis</i>	0.1	6
<i>Corymbia candida</i>	0.1	6

Site: 19RMK027

Type: Mapping Note

Date: 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 731630 **Northing:** 7440398

Vegetation: *Acacia pruinocarpa*, *A. tetragonophylla* and *A. sibirica* scattered tall shrubs over *Triodia wiseana* open hummock grassland.

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	22	0.3
<i>Acacia pruinocarpa</i>	0.5	2.5
<i>Acacia sibirica</i>	0.5	2.5
<i>Acacia tetragonophylla</i>	0.5	2.5

Site: 19RMK028

Type: Mapping Note

Date: 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 732496 **Northing:** 7440568

Vegetation: *Acacia rhodophloia*, *A. sibirica* and *A. aptaneura* scattered shrubs over *Triodia wiseana* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	32	0.3
<i>Acacia aptaneura</i>	0.5	1.7
<i>Acacia rhodophloia</i>	0.5	1.6
<i>Acacia sibirica</i>	0.5	1.6

Site: 19RMR001

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 735000 **Northing:** 7441222

Habitat: Hillslope

Soil: orange brown surface crust, clay loam

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus socialis* and *Eucalyptus gamophylla* low open mallee woodland over *Acacia bivenosa* scattered tall shrubs over *Triodia wiseana* open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	50	0.7
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	5	4
<i>Eucalyptus gamophylla</i>	2	4
<i>Acacia bivenosa</i>	0.5	2.5
<i>Acacia aptaneura</i>	0.1	2
<i>Acacia tetragonophylla</i>	0.1	1.8
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	0.3
<i>Ptilotus exaltatus</i>	0.1	0.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.3

Site: 19RMR002

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 734790 **Northing:** 7441725

Habitat: Hillslope

Soil: reddish brown loose, clay loam

Rock type: Calcrete, Ironstone, Laterite

Vegetation: *Eucalyptus socialis* low mallee woodland over *Acacia bivenosa* scattered tall shrubs over *Triodia wiseana* hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	45	0.6
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	10	3.5
<i>Acacia bivenosa</i>	1	2.5
<i>Acacia aneura</i>	0.1	2
<i>Duperreya commixta</i>	0.1	1
<i>Eucalyptus gamophylla</i>	0.1	3
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6

Site: 19RMR003

Type: Mapping Note

Date: 25/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 734689 **Northing:** 7442032

Habitat: Hillslope

Soil: reddish brown clay loam

Rock type: Ironstone, Laterite

Vegetation: *Corymbia hamersleyana* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *E. gamophylla* low mallee woodland over *Acacia arida* shrubland over *Triodia vanleeuwenii* and *T. wiseana* hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.4
<i>Acacia arida</i>	20	1.3
<i>Eucalyptus gamophylla</i>	15	3
<i>Triodia wiseana</i>	5	0.5
<i>Corymbia hamersleyana</i>	2	4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Acacia pruinocarpa</i>	0.1	1
<i>Eremophila exilifolia</i>	0.1	1
<i>Hakea chordophylla</i>	0.1	4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.3

Site: 19RMR006

Type: Mapping Note

Date: 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 730143 **Northing:** 7441474

Habitat: Clay plain

Soil: dark reddish brown clay, clay loam

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Triodia melvillei* and *T. pungens* open hummock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	10	6
<i>Triodia melvillei</i>	10	0.7
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	5	3
<i>Triodia pungens</i>	5	0.5
<i>Acacia pruinocarpa</i>	1	3
<i>Acacia tetragonophylla</i>	0.2	3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	2

Site: 19RMR007

Type: Mapping Note

Date: 30/05/2021

Described by: KMc / RD / HP / CM

MGA zone: 50K

Easting: 730054 **Northing:** 7441061

Habitat: Clay plain

Vegetation: *Eucalyptus xerothermica* and *Corymbia candida* low open woodland over *Acacia aptaneura* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Triodia melvillei* scattered hummock grasses with *Themeda triandra* and *Aristida latifolia* very open tussock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus xerothermica</i>	5	5
<i>Themeda triandra</i>	5	0.6
<i>Acacia aptaneura</i>	3	5
<i>Aristida latifolia</i>	2	0.7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.6
<i>Corymbia candida</i>	1	4
<i>Triodia melvillei</i>	0.5	0.6
<i>Ptilotus exaltatus</i>	0.1	0.6
<i>Triodia pungens</i>	0.1	0.3

Site: 23RMK01
Date: 12/10/2021
MGA zone: 50K
Habitat: Plain

Type: Mapping Note
Described by: KMc / LD
Easting: 752760 **Northing:** 7442537

Vegetation: *Acacia aptaneura* and *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Aristida contorta* and *Enneapogon polyphyllus* very open annual grassland
Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	12	6
<i>Aristida contorta</i>	5	0.2
<i>Enneapogon polyphyllus</i>	2	0.2
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	6
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.2
<i>Acacia ayersiana</i>	0.5	4
<i>Triodia pungens</i>	0.5	0.4
<i>Aristida obscura</i>	0.1	0.3
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Hibiscus burtonii</i>	0.1	0.5
<i>Psydrax suaveolens</i>	0.1	1.8
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5
<i>Sida ectogama</i>	0.1	0.8

* denotes weed species

Site: 23RMK02
Date: 12/10/2021
MGA zone: 50K

Type: Mapping Note
Described by: KMc / LD
Easting: 752579 **Northing:** 7442064

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Acacia aptaneura* tall shrubland over *Ptilotus obovatus* var. *obovatus* low open shrubland over *Enneapogon polyphyllus* and *Aristida contorta* open annual grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	15	7
<i>Enneapogon polyphyllus</i>	9	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.5
<i>Aristida contorta</i>	1	0.3
<i>Eucalyptus xerothermica</i>	1	5
<i>Chrysopogon fallax</i>	0.5	1.2
<i>Sida ectogama</i>	0.5	1.2

Site: 23RMK03

Type: Mapping Note

Date: 12/10/2021

Described by: KMc / LD

MGA zone: 50K

Easting: 753341 **Northing:** 7442376

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *Acacia aptaneura* and *Grevillea berryana* tall shrubland over *Ptilotus obovatus* var. *obovatus* low open shrubland over *Enneapogon polyphyllus* very open annual grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	7
<i>Enneapogon polyphyllus</i>	5	0.3
<i>Acacia aptaneura</i>	3	7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.4
<i>Acacia pruinocarpa</i>	1	7
<i>Eucalyptus xerothermica</i>	1	8
<i>Grevillea berryana</i>	1	5
<i>Digitaria brownii</i>	0.5	0.7
<i>Sida ectogama</i>	0.1	1.3

Site: 23RMK04
Date: 12/10/2021
MGA zone: 50K
Habitat: Hillcrest

Type: Mapping Note
Described by: KMc / LD
Easting: 736994 **Northing:** 7445570

Vegetation: *Acacia pruinocarpa* and *Acacia aptaneura* tall open shrubland over *Eremophila fraseri* subsp. *fraseri* and *Acacia sibirica* open shrubland over *Triodia vanleeuwenii* open hummock grassland
Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.3
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>	5	1.2
<i>Acacia pruinocarpa</i>	3	4
<i>Acacia aptaneura</i>	2	3
<i>Acacia sibirica</i>	1	1.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Ptilotus rotundifolius</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.8

Site: 23RMK05
Date: 12/10/2021
MGA zone: 50K

Type: Mapping Note
Described by: KMc / LD
Easting: 732634 **Northing:** 7436831

Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila caespitosa* scattered low shrubs over *Aristida inaequiglumis*, *Chrysopogon fallax* and *Themeda triandra* very open tussock grassland with *Aristida contorta* and *Perotis rara* open annual grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Aristida contorta</i>	10	0.1
<i>Acacia aptaneura</i>	6	6
<i>Perotis rara</i>	2	0.05
<i>Aristida inaequiglumis</i>	1	1.2
<i>Chrysopogon fallax</i>	0.5	1.2
<i>Eremophila caespitosa</i>	0.5	0.3
<i>Themeda triandra</i>	0.5	1.2

Site: 23RMK08

Type: Mapping Note

Date: 12/10/2021

Described by: KMc / LD

MGA zone: 50K

Easting: 747077 **Northing:** 7433635

Habitat: Plain

Rock type: Calcrete

Vegetation: *Eucalyptus victrix* woodland over *Acacia aptaneura* and *Grevillea berryana* scattered tall shrubs over *Chrysopogon fallax* (*Themeda triandra*) open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Chrysopogon fallax</i>	16	1.3
<i>Eucalyptus victrix</i>	15	12
<i>Acacia aptaneura</i>	0.5	3
<i>Grevillea berryana</i>	0.5	4
<i>Iseilema vaginiflorum</i>	0.5	0.4
<i>Themeda triandra</i>	0.5	1.1
<i>Acacia tetragonophylla</i>	0.1	2.2
<i>Eremophila longifolia</i>	0.1	3
<i>Santalum lanceolatum</i>	0.1	2.2

Site: 23RMK09
Date: 12/10/2021
MGA zone: 50K

Type: Mapping Note
Described by: KMc / LD
Easting: 747294 **Northing:** 7433707

Vegetation: *Eucalyptus victrix* woodland over *Senna artemisioides* subsp. *x artemisioides* tall open shrubland over *Santalum lanceolatum* scattered shrubs over *Themeda triandra* very open tussock grassland over *Rhynchosia minima* open herbland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus victrix</i>	20	14
<i>Rhynchosia minima</i>	10	0.1
<i>Themeda triandra</i>	8	1.1
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	2	2.1
<i>Santalum lanceolatum</i>	1	1.2
* <i>Malvastrum americanum</i>	0.1	0.6

* denotes weed species

Site: 23RMK20

Type: Mapping Note

Date: 15/10/2021

Described by: KMc / LD

MGA zone: 50K

Easting: 751033 **Northing:** 7432711

Habitat: Minor drainage

Vegetation: *Acacia aptaneura*, *Acacia citrinoviridis* and *Acacia rhodophloia* tall shrubland over *Eremophila galeata* scattered shrubs over *Triodia pungens* very open hummock grassland over *Aristida contorta*, *Enneapogon polyphyllus* and *Digitaria ctenantha* very open annual grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	5	4
<i>Acacia citrinoviridis</i>	4	5
<i>Acacia rhodophloia</i>	3	3.8
<i>Triodia pungens</i>	2	0.4
<i>Acacia tetragonophylla</i>	1	3.5
<i>Aristida contorta</i>	1	0.2
<i>Digitaria ctenantha</i>	1	0.4
<i>Enneapogon polyphyllus</i>	0.5	0.3
<i>Eremophila galeata</i>	0.5	1.2
* <i>Bidens bipinnata</i>	0.1	0.3

* denotes weed species

Site: 23RML12
Date: 15/10/2021
MGA zone: 50K

Type: Mapping Note
Described by: KMc / LD
Easting: 721596 **Northing:** 7438519

Vegetation: *Eucalyptus xerothematica* low open woodland over *Acacia bivenosa* scattered tall shrubs over *Acacia dictyophleba* and *Acacia tenuissima* open shrubland over *Triodia longiceps* very open hummock grassland over *Themeda triandra* and *Eulalia aurea* tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	55	0.7
<i>Eucalyptus xerothematica</i>	7	4
<i>Eulalia aurea</i>	5	0.5
<i>Triodia longiceps</i>	4	0.6
<i>Acacia dictyophleba</i>	3	1.9
<i>Acacia bivenosa</i>	1	2.7
<i>Acacia tenuissima</i>	1	1.8
<i>Eremophila longifolia</i>	0.5	1.8

Site: 23RML20

Type: Mapping Note

Date: 17/10/2021

Described by: KMc / LD

MGA zone: 50K

Easting: 755766 **Northing:** 7445063

Vegetation: *Eucalyptus repullulans* low open mallee woodland over *Triodia wiseana* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	15	0.2
<i>Eucalyptus repullulans</i>	2	1.8

Site: 2RMAF001

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 739301 **Northing:** 7441362

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia aneura* and *A. pruinocarpa* tall open shrubland over *Eremophila exilifolia* low open shrubland over *Triodia vanleeuwenii* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	22	0.4
<i>Eremophila exilifolia</i>	4	0.9
<i>Acacia aneura</i>	3	3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia pruinocarpa</i>	0.5	3
<i>Triodia pungens</i>	0.1	0.4

Site: 2RMCM001

Type: Mapping Note

Date: 09/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 756330 **Northing:** 7444323

Vegetation: *Corymbia hamersleyana* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *Petalostylis labicheoides* tall shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	12	3.5
<i>Petalostylis labicheoides</i>	3	2.2
<i>Triodia pungens</i>	3	0.4
<i>Corymbia hamersleyana</i>	0.5	5.5

Site: 2RMCM002

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 738825 **Northing:** 7443344

Vegetation: *Corymbia candida* scattered trees over *Acacia aptaneura* tall shrubland over *Aristida latifolia* very open tussock grassland

Veg Condition: Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	28	5.5
<i>Aristida latifolia</i>	8	0.4
<i>Corymbia candida</i>	0.5	13.5
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Goodenia prostrata</i>	0.1	0.1
* <i>Malvastrum americanum</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.6

* denotes weed species

Site: 2RMKM001

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 749755 **Northing:** 7441160

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia aptaneura* scattered tall shrubs over *A. rhodophloia* scattered shrubs over *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.3
<i>Acacia aptaneura</i>	1	2.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	4
<i>Triodia pungens</i>	1	0.4
<i>Acacia rhodophloia</i>	0.5	1.5
<i>Acacia monticola</i>	0.1	3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	3

Site: 2RMKM002

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 749934 **Northing:** 7441220

Vegetation: *Acacia hamersleyensis*, *Hakea chordophylla* and *A. rhodophloia* tall open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	45	0.3
<i>Acacia hamersleyensis</i>	1	2.3
<i>Acacia rhodophloia</i>	0.5	2.1
<i>Hakea chordophylla</i>	0.5	3.5
<i>Acacia sibirica</i>	0.1	2.2

Site: 2RMKM003

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 750597 **Northing:** 7441453

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Acacia rhodophloia* tall open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	32	0.3
<i>Acacia rhodophloia</i>	8	2.8
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	4

Site: 2RMKM004

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 751347 **Northing:** 7441334

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia hamersleyensis* scattered tall shrubs over *A. rhodophloia* scattered shrubs over *Triodia vanleeuwenii* and *T. wiseana* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.3
<i>Triodia wiseana</i>	6	0.4
<i>Acacia hamersleyensis</i>	1	2.2
<i>Acacia rhodophloia</i>	1	1.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Acacia aptaneura</i>	0.1	4
<i>Acacia pruinocarpa</i>	0.1	5

Site: 2RMKM005

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 739199 **Northing:** 7440573

Vegetation: *Corymbia deserticola* subsp. *deserticola* scattered low trees over *Hakea chordophylla* scattered tall shrubs over *Eremophila exilifolia* scattered low shrubs over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland with *Amphipogon sericeus* scattered

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	7	0.5
<i>Triodia vanleeuwenii</i>	7	0.3
<i>Amphipogon sericeus</i>	0.5	0.2
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	4
<i>Eremophila exilifolia</i>	0.5	0.7
<i>Hakea chordophylla</i>	0.5	4
<i>Acacia pruinocarpa</i>	0.1	3
<i>Corymbia hamersleyana</i>	0.1	5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	5

Site: 2RMKM006

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 738760 **Northing:** 7441067

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia aptaneura* and *A. catenulata* subsp. *occidentalis* tall open scrub over *Triodia pungens* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	23	5.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	23	5.5
<i>Triodia pungens</i>	15	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	5

Site: 2RMKM007

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 738839 **Northing:** 7441308

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Triodia vanleeuwenii* open hummock grassland with *Amphipogon sericeus* scattered tussock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.5
<i>Amphipogon sericeus</i>	0.5	0.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Hakea chordophylla</i>	0.1	3
<i>Ptilotus rotundifolius</i>	0.1	0.8

Site: 2RMKM008

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 738467 **Northing:** 7441090

Vegetation: *Eucalyptus xerothematica* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *Acacia aptaneura* tall open scrub over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	35	6
<i>Acacia aptaneura</i>	15	6
<i>Triodia pungens</i>	8	0.4
<i>Eucalyptus xerothematica</i>	0.5	5

Site: 2RMKM009

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 738579 **Northing:** 7440700

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia arida* open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.3
<i>Acacia arida</i>	6	1.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Acacia marramamba</i>	0.1	0.8
<i>Hakea chordophylla</i>	0.1	3
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.5

Site: 2RMLD002

Type: Mapping Note

Date: 09/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 753808 **Northing:** 7443259

Vegetation: *Acacia aptaneura* and *A. catenulata* subsp. *occidentalis* scattered tall shrubs over *Eremophila lanceolata* scattered low shrubs

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	1	4
<i>Eremophila lanceolata</i>	1	0.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	4
<i>Eragrostis eriopoda</i>	0.1	0.2

Site: 2RMLD003

Type: Mapping Note

Date: 09/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 754087 **Northing:** 7443433

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	15	3.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	4
<i>Triodia pungens</i>	8	0.3
<i>Acacia pruinocarpa</i>	2	3

Site: 2RMLD004

Type: Mapping Note

Date: 10/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 740341 **Northing:** 7441288

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Acacia pruinocarpa* and *Hakea chordophylla* scattered tall shrubs over *A. hilliana* low open shrubland over *Triodia vanleeuwenii* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	14	0.4
<i>Acacia hilliana</i>	6	0.4
<i>Acacia pruinocarpa</i>	1	2.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	4
<i>Corymbia hamersleyana</i>	0.5	4
<i>Hakea chordophylla</i>	0.5	3

Site: 2RMLD005

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 751116 **Northing:** 7443823

Vegetation: *Corymbia hamersleyana* low open woodland over *Petalostylis labicheoides*, *Acacia tumida* var. *pilbarensis* and *Androcalva luteiflora* tall open shrubland over *Themeda triandra* and *Cymbopogon ambiguus* open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	15	0.5
<i>Corymbia hamersleyana</i>	3	4.5
<i>Acacia tumida</i> var. <i>pilbarensis</i>	2	2.2
<i>Petalostylis labicheoides</i>	2	2.6
<i>Androcalva luteiflora</i>	1	2.2
<i>Cymbopogon ambiguus</i>	0.5	1.7
<i>Eremophila longifolia</i>	0.5	3
<i>Santalum lanceolatum</i>	0.5	3

Site: 2RMLD006

Type: Mapping Note

Date: 11/07/2019

Described by: KMc/LD/CM/AF

MGA zone: 50K

Easting: 745442 **Northing:** 7443108

Habitat: Minor drainage

Vegetation: *Corymbia hamersleyana* low open woodland over *Petalostylis labicheoides* and *Androcalva luteiflora* tall open shrubland over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) scattered low shrubs over *Triodia pungens* scattered hummock grasses with *Themeda triandra* very open tussock grassland

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Corymbia hamersleyana</i>	4	5
<i>Petalostylis labicheoides</i>	4	2.3
<i>Androcalva luteiflora</i>	3	2.5
<i>Themeda triandra</i>	2.5	0.4
<i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186)	1	0.3
<i>Triodia pungens</i>	1	0.4
<i>Indigofera georgei</i>	0.1	0.4

Site: 3RMK001

Type: Mapping Note

Date: 30/07/2019

Described by: KMc / BE / AF / PJ

MGA zone: 50K

Easting: 740704 **Northing:** 7440743

Vegetation: *Eucalyptus gamophylla* very open mallee woodland over *Acacia inaequilatera* scattered tall shrubs over *Triodia vanleeuwenii* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	22	0.2
<i>Eucalyptus gamophylla</i>	2.5	4
<i>Acacia inaequilatera</i>	0.5	3
<i>Acacia arida</i>	0.1	1.5

Site: 5RB01

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 730437 **Northing:** 7435881

Vegetation: *Acacia aptaneura* and *A. pruinocarpa* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Aristida ingrata*, *A. obscura* and *Themeda triandra* open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida ingrata</i>	13	0.7
<i>Acacia aptaneura</i>	6	5
<i>Acacia pruinocarpa</i>	2	4
<i>Aristida obscura</i>	2	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.6
<i>Themeda triandra</i>	1	1
<i>Chrysopogon fallax</i>	0.1	0.9
<i>Grevillea berryana</i>	0.1	2.3

Site: 5RB02

Type: Mapping Note

Date: 16/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 734317 **Northing:** 7435171

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia pruinocarpa*, *A. rhodophloia* scattered tall shrubs over *Triodia vanleeuwenii*, (*T. wiseana* and *T. pungens*) hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.5
<i>Triodia wiseana</i>	8	0.5
<i>Triodia pungens</i>	7	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	5
<i>Acacia pruinocarpa</i>	0.5	2.5
<i>Acacia rhodophloia</i>	0.5	2.2
<i>Aristida contorta</i>	0.1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7
<i>Ptilotus rotundifolius</i>	0.1	0.8
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8

Site: 5RB03

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737522 **Northing:** 7435452

Habitat: Hillslope

Soil: dark reddish brown sandy loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia pruinocarpa*, *A. sibirica*, (*A. catenulata* subsp. *occidentalis*) tall open shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.4
<i>Triodia pungens</i>	15	0.5
<i>Acacia pruinocarpa</i>	5	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	5
<i>Acacia sibirica</i>	2	2.2
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	4
<i>Corymbia hamersleyana</i>	0.1	4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	2.2

Site: 5RB04

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736499 **Northing:** 7435659

Habitat: Pediment

Soil: dark reddish brown sandy loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. sibirica*, *A. aptaneura* and *A. pruinocarpa* tall shrubland over *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.4
<i>Triodia pungens</i>	12	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	6	5
<i>Acacia sibirica</i>	5	2.8
<i>Acacia aptaneura</i>	3	4.5
<i>Acacia pruinocarpa</i>	2	4
* <i>Bidens bipinnata</i>	0.1	0.2

* denotes weed species

Site: 5RB05

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 741836 **Northing:** 7435751

Habitat: Risecrest

Soil: dark reddish brown sandy loam

Rock type: Calcrete

Vegetation: *Acacia pruinocarpa*, *A. tetragonophylla* and *A. aptaneura* tall open shrubland over *Grevillea berryana* scattered shrubs over *Ptilotus obovatus* low open shrubland over *Triodia wiseana* very open hummock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	7	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	6	0.4
<i>Acacia pruinocarpa</i>	4	5
<i>Acacia tetragonophylla</i>	3	3
<i>Acacia aptaneura</i>	2	4.5
<i>Grevillea berryana</i>	1	1.2
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.5

* denotes weed species

Site: 5RB06

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 741670 **Northing:** 7435488

Habitat: Stony clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia pteraneura*, (*Grevillea berryana*) tall open shrubland over *Ptilotus schwartzii* var. *schwartzii*
low open shrubland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia pteraneura</i>	5	4.5
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	3	0.5
<i>Grevillea berryana</i>	1	4.5
<i>Aristida contorta</i>	0.1	0.1

Site: 5RB07

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 741933 **Northing:** 7435426

Vegetation: *Eucalyptus repullulans* very open mallee woodland over *Acacia pruinocarpa* and *A. tetragonophylla* tall open shrubland over *Ptilotus obovatus* low open shrubland over *Triodia wiseana* open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	15	0.5
<i>Acacia pruinocarpa</i>	4	4.5
<i>Eucalyptus repullulans</i>	4	5
<i>Acacia tetragonophylla</i>	3	4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.5
<i>Eremophila longifolia</i>	0.1	1.8
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.5

Site: 5RB08

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 743315 **Northing:** 7435380

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* open woodland over *Acacia aptaneura* tall shrubland over *Rhagodia eremaea* open shrubland over *Ptilotus obovatus* scattered low shrubs over *Themeda triandra* very open tussock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	12	5
<i>Eucalyptus victrix</i>	5	12
<i>Themeda triandra</i>	3	0.9
<i>Rhagodia eremaea</i>	2	1.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.5
* <i>Cenchrus ciliaris</i>	0.1	0.4
<i>Enneapogon</i> sp.	0.1	0.3

* denotes weed species

Site: 5RB09

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 743455 **Northing:** 7435326

Vegetation: *Eucalyptus victrix* low open woodland over *Acacia aptaneura* tall open shrubland over *Senna artemisioides* subsp. *x artemisioides*, (*Rhagodia eremaea*) open shrubland over *Ptilotus obovatus* low shrubland over Poaceae sp. very open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	16	0.5
<i>Eucalyptus victrix</i>	5	7
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	5	1.6
<i>Acacia aptaneura</i>	3	4.5
Poaceae sp.	3	0.1
<i>Rhagodia eremaea</i>	1	1.5

Site: 5RB10

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 744204 **Northing:** 7435336

Vegetation: *Acacia aptaneura* tall open shrubland over *Astrebla elymoides* and *Aristida inaequiglumis* tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida latifolia</i>	20	0.4
<i>Astrebla elymoides</i>	20	0.4
<i>Acacia aptaneura</i>	8	4
<i>Eucalyptus victrix</i>	0.1	8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3

Site: 5RB11

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 744306 **Northing:** 7434923

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Calcrete

Vegetation: *Eucalyptus victrix* open woodland over *Acacia aptaneura* tall open shrubland over *Astrebla elymoides*, *Aristida inaequiglumis*, (*Eragrostis setifolia*) tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	20	0.5
<i>Aristida latifolia</i>	10	0.5
<i>Acacia aptaneura</i>	8	6
<i>Eragrostis setifolia</i>	3	0.2
<i>Eucalyptus victrix</i>	2	11

Site: 5RB12

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 744589 **Northing:** 7435064

Vegetation: *Acacia aptaneura* tall shrubland over *Rhagodia eremaea* scattered shrubs over *Ptilotus obovatus* scattered low shrubs over *Chrysopogon fallax*, (*Aristida* sp.) open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	16	5.5
<i>Chrysopogon fallax</i>	10	1.1
<i>Aristida</i> sp.	2	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.5
<i>Rhagodia eremaea</i>	1	1.5

Site: 5RB13 **Type:** Mapping Note
Date: 20/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 744686 **Northing:** 7434827
Vegetation: *Acacia aptaneura* tall shrubland over *Eremophila lanceolata* scattered low shrubs
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	18	5.5
<i>Eremophila lanceolata</i>	1	0.3
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	4
Poaceae sp.	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5

Site: 5RB14

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 734310 **Northing:** 7432706

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *E. xerothermica* scattered mallees over *Acacia pruinocarpa* and *A. aptaneura* tall open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.4
<i>Acacia pruinocarpa</i>	3	4
<i>Acacia aptaneura</i>	2	4.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	5
<i>Eucalyptus xerothermica</i>	1	4.5
<i>Acacia rhodophloia</i>	0.1	3.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.8

Site: 5RB15

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735868 **Northing:** 7432331

Vegetation: *Eucalyptus xerothematica* very open mallee woodland over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *Petalostylis labicheoides* tall shrubland over *Rhagodia* sp. Hamersley (M. Trudgen 17794) scattered shrubs over *Themeda triandra* (*Aristida ingrata*) open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	20	1
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	4.5
<i>Acacia aptaneura</i>	4	4
<i>Eucalyptus xerothematica</i>	3	4.5
<i>Petalostylis labicheoides</i>	3	3
<i>Aristida ingrata</i>	2	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	1	1.6
<i>Isotropis iophyta</i>	0.1	0.5

Site: 5RB16

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735790 **Northing:** 7432155

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* open shrubland over *Triodia pungens* (*T. vanleeuwenii*) open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	18	0.6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	7	5
<i>Acacia aptaneura</i>	6	5
<i>Acacia pruinocarpa</i>	4	4.5
<i>Triodia vanleeuwenii</i>	4	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	2	1.6

Site: 5RB17

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735393 **Northing:** 7432007

Vegetation: *Petalostylis labicheoides* and *Acacia citrinoviridis* tall open shrubland over *A. pyrifolia* var. *pyrifolia* and *Gossypium australe* scattered shrubs over *Tephrosia rosea* var. Fortescue creeks (M.I.H. Brooker 2186) low open shrubland over *Triodia pungens* very open hummock grassland with *Themeda triandra*, (*Enneapogon lindleyanus*) very open tussock grassland and *Gomphrena canescens* subsp. *canescens* very open herbland

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	6	0.2
<i>Themeda triandra</i>	6	0.7
<i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186)	3	0.6
<i>Triodia pungens</i>	3	0.4
<i>Petalostylis labicheoides</i>	2	2.5
<i>Acacia citrinoviridis</i>	1	4.5
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	1	1.7
<i>Enneapogon lindleyanus</i>	1	0.4
<i>Gossypium australe</i>	0.5	1.3
<i>Androcalva luteiflora</i>	0.1	1.1
<i>Corymbia hamersleyana</i>	0.1	1.5
* <i>Setaria verticillata</i>	0.1	0.3
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)	0.1	1.4

* denotes weed species

Site: 5RB18

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736831 **Northing:** 7432215

Vegetation: *Eucalyptus gamophylla* (and *E. kingsmillii*) very open mallee woodland over *Acacia trudgeniana* and *A. sibirica* scattered tall shrubs over *Senna artemisioides* subsp. *oligophylla* scattered low shrubs over *Triodia vanleeuwenii* (and *T. pungens*) hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.3
<i>Triodia pungens</i>	5	0.5
<i>Eucalyptus gamophylla</i>	4	4.5
<i>Acacia trudgeniana</i>	1	3.5
<i>Acacia sibirica</i>	0.5	2.2
<i>Eucalyptus kingsmillii</i>	0.5	3
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.5	0.8
<i>Acacia bivenosa</i>	0.1	1.5
<i>Acacia tenuissima</i>	0.1	1.3

Site: 5RB19

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 734128 **Northing:** 7433696

Vegetation: *Acacia aptaneura* tall open shrubland over *Ptilotus schwartzii* var. *schwartzii* scattered low shrubs

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	2	4.5
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.5	0.3
<i>Acacia tetragonophylla</i>	0.1	2.5
<i>Aristida contorta</i>	0.1	0.1
<i>Aristida obscura</i>	0.1	0.2
<i>Aristida</i> sp.	0.1	0.5
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.5

Site: 5RB20

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737728 **Northing:** 7432557

Vegetation: *Corymbia ferritcola* low open woodland over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall shrubland over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* very open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	5
<i>Triodia pungens</i>	6	0.5
<i>Corymbia ferritcola</i>	5	5
<i>Acacia aptaneura</i>	4	4.5
<i>Eriachne mucronata</i>	4	0.3
<i>Acacia pruinocarpa</i>	0.1	2.5
<i>Grevillea berryana</i>	0.1	4

Site: 5RB21

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736879 **Northing:** 7433544

Habitat: Stony clay plain

Soil: reddish brown sandy clay loam

Rock type: Calcrete, Ironstone

Vegetation: *Astrelba elymoides*, (*Eragrostis setifolia* and *Aristida inaequiglumis*) open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrelba elymoides</i>	22	5
<i>Eragrostis setifolia</i>	3	0.2
<i>Aristida latifolia</i>	2	0.5

Site: 5RB22

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 738081 **Northing:** 7433020

Vegetation: *Acacia aptaneura*, *A. pruinocarpa* and *A. pteraneura* tall shrubland over *Eremophila forrestii* subsp. *forrestii* and *Rhagodia eremaea* scattered shrubs over *Ptilotus obovatus* low open shrubland over *Triodia pungens* open hummock grassland with *Aristida* sp. scattered tussock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	17	0.5
<i>Acacia aptaneura</i>	6	6
<i>Acacia pruinocarpa</i>	4	4.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.6
<i>Acacia pteraneura</i>	2	4.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.8
<i>Aristida</i> sp.	0.5	0.5
<i>Rhagodia eremaea</i>	0.5	1.5
<i>Sclerolaena cornishiana</i>	0.1	0.3

Site: 5RB23

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735359 **Northing:** 7432621

Vegetation: *Eucalyptus xerothermica* low open woodland over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *Petalostylis labicheoides* tall shrubland over *Triodia pungens* very open hummock grassland with *Poaceae* sp. and *Themeda triandra* and open tussock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	7
<i>Poaceae</i> sp.	5	0.6
<i>Triodia pungens</i>	5	0.5
<i>Acacia aptaneura</i>	4	6
<i>Themeda triandra</i>	4	0.6
<i>Eucalyptus xerothermica</i>	2	9
<i>Petalostylis labicheoides</i>	2	2.2
* <i>Bidens bipinnata</i>	0.1	0.2

* denotes weed species

Site: 5RB24

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 730449 Northing: 7436658

Vegetation: *Acacia aptaneura* tall shrubland over *Ptilotus obovatus* scattered low shrubs over *Aristida ingrata*, *Themeda triandra* and *A. obscura* (*Chrysopogon fallax*, *A. contorta*) open tussock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	12	5
<i>Aristida ingrata</i>	6	0.6
<i>Themeda triandra</i>	3	0.9
<i>Aristida obscura</i>	2	0.4
<i>Aristida contorta</i>	1	0.1
<i>Chrysopogon fallax</i>	1	1.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.4
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.4
* <i>Cenchrus ciliaris</i>	0.1	0.3
<i>Eremophila lanceolata</i>	0.1	0.4
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.2

* denotes weed species

Site: 5RB25

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 730660 **Northing:** 7436566

Vegetation: *Acacia aptaneura* tall shrubland over *Eremophila lanceolata*, (*Ptilotus obovatus*) low open shrubland over *Triodia melvillei* very open hummock grassland with Poaceae sp. scattered tussock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	4
<i>Triodia melvillei</i>	8	0.5
<i>Eremophila lanceolata</i>	2	0.3
Poaceae sp.	1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.3
<i>Acacia pruinocarpa</i>	0.1	3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.7
<i>Psyrax suaveolens</i>	0.1	1.9

Site: 5RB26

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 729313 **Northing:** 7434485

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Eremophila caespitosa* low open shrubland over *Triodia melvillei* open hummock grassland over *Aristida contorta* scattered tussock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	12	0.7
<i>Eremophila caespitosa</i>	2	0.3
<i>Acacia aptaneura</i>	1	4
<i>Aristida contorta</i>	1	0.05
<i>Acacia sibirica</i>	0.1	2
<i>Chrysopogon fallax</i>	0.1	0.9
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3

Site: 5RB27 **Type:** Mapping Note
Date: 23/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 729115 **Northing:** 7435630
Vegetation: *Acacia trudgeniana* and *A. pruinocarpa* tall shrubland over *Triodia pungens* hummock grassland
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	55	0.7
<i>Acacia trudgeniana</i>	7	3.2
<i>Acacia pruinocarpa</i>	4	4.5
<i>Acacia aptaneura</i>	0.1	1.5
<i>Acacia marramamba</i>	0.1	0.3
<i>Acacia sibirica</i>	0.1	1.2
<i>Anthobolus leptomerioides</i>	0.1	2.1
<i>Duperreya commixta</i>	0.1	1.8
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.2

Site: 5RB28

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 727726 **Northing:** 7435843

Vegetation: *Acacia trudgeniana*, *A. pruinocarpa*, (*A. aptaneura*) tall open shrubland over *Triodia pungens* hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	55	0.6
<i>Acacia trudgeniana</i>	5	3.2
<i>Acacia pruinocarpa</i>	2	3.5
<i>Acacia aptaneura</i>	0.5	4.5
<i>Grevillea berryana</i>	0.1	3.5
<i>Seringia</i> sp.	0.1	0.5

Site: 5RB29

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 727468 **Northing:** 7435306

Vegetation: *Corymbia candida* scattered low trees over *Eragrostis* sp. open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Corymbia candida</i>	1	7
<i>Eriachne flaccida</i>	0.1	0.3
<i>Panicum effusum</i>	0.1	0.2
Poaceae sp.	0.1	0.3
<i>Themeda triandra</i>	0.1	0.8

Site: 5RB30 **Type:** Mapping Note
Date: 24/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 729118 **Northing:** 7433192
Vegetation: *Triodia melvillei* open hummock grassland over *Aristida contorta* scattered tussock grasses
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	18	0.5
<i>Aristida contorta</i>	1	0.05
<i>Acacia aptaneura</i>	0.1	2.5
<i>Acacia pachyacra</i>	0.1	3
<i>Acacia pruinocarpa</i>	0.1	4
<i>Aristida ingrata</i>	0.1	0.5
<i>Eremophila caespitosa</i>	0.1	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.2
<i>Psyrax latifolia</i>	0.1	2.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Solanum lasiophyllum</i>	0.1	0.4

Site: 5RB31 **Type:** Mapping Note
Date: 24/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 726901 **Northing:** 7434630
Vegetation: *Acacia aptaneura* scattered tall shrubs over *Triodia melvillei* open hummock grassland
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	20	0.6
<i>Acacia aptaneura</i>	1	4
<i>Acacia pachyacra</i>	0.1	1
<i>Aristida</i> sp.	0.1	0.6
<i>Eremophila caespitosa</i>	0.1	3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Solanum lasiophyllum</i>	0.1	0.6

Site: 5RB32 **Type:** Mapping Note
Date: 24/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 726882 **Northing:** 7434903
Vegetation: *Acacia aptaneura* tall open shrubland over *Themeda triandra* open tussock grassland
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	25	0.7
<i>Acacia aptaneura</i>	3	6.5
<i>Aristida</i> sp.	0.1	0.3
<i>Chrysopogon fallax</i>	0.1	1.1
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Solanum lasiophyllum</i>	0.1	0.3

Site: 5RC01

Type: Mapping Note

Date: 14/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 733428 **Northing:** 7436498

Vegetation: *Acacia aptaneura* and *Hakea lorea* subsp. *lorea* tall open shrubland over *Themeda triandra*, (*Aristida ingrata*, *Eriachne flaccida* and *Eragrostis setifolia*) open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	12	1.2
<i>Acacia aptaneura</i>	2	2.5
<i>Aristida ingrata</i>	2	1.1
<i>Eriachne flaccida</i>	2	0.1
<i>Eragrostis setifolia</i>	1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	1	6
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5

Site: 5RC02

Type: Mapping Note

Date: 14/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 734117 **Northing:** 7436410

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Astrebla elymoides* and *Aristida inaequiglumis* tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	35	0.5
<i>Aristida latifolia</i>	15	0.6
<i>Acacia aptaneura</i>	1	6
<i>Chrysopogon fallax</i>	0.1	0.7
<i>Eragrostis setifolia</i>	0.1	0.2
<i>Sida fibulifera</i>	0.1	0.1
<i>Themeda triandra</i>	0.1	0.8

Site: 5RC03

Type: Mapping Note

Date: 14/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 733562 **Northing:** 7435884

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* and *A. aptaneura* tall open shrubland over *Grevillea berryana* and *Rhagodia eremaea* scattered shrubs over *Ptilotus obovatus* low open shrubland over *Aristida ingrata*, (*Chrysopogon fallax*) open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida ingrata</i>	20	0.6
<i>Acacia aptaneura</i>	5	6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	4	0.7
<i>Chrysopogon fallax</i>	2	0.5
<i>Grevillea berryana</i>	1	1.8
<i>Rhagodia eremaea</i>	0.5	1.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3.5

Site: 5RC04

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 731798 **Northing:** 7436859

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila lanceolata* scattered low shrubs over *Triodia melvillei* very open hummock grassland with *Aristida contorta* and *Aristida ?ingrata* very open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	8	5
<i>Triodia melvillei</i>	5	0.4
<i>Aristida contorta</i>	2	0.1
<i>Aristida ?ingrata</i>	1	0.5
<i>Eremophila lanceolata</i>	1	0.3
<i>Chrysopogon fallax</i>	0.1	0.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Solanum lasiophyllum</i>	0.1	0.4

? denotes unconfirmed ID

Site: 5RC05

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 732148 **Northing:** 7436393

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila lanceolata* low open shrubland over *Aristida contorta*, *A. obscura* and *Panicum effusum* very open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	7	6
<i>Aristida contorta</i>	3	0.1
<i>Eremophila lanceolata</i>	3	0.4
<i>Aristida obscura</i>	2	0.2
<i>Panicum effusum</i>	2	0.4
<i>Aristida</i> sp.	0.1	0.2
<i>Cheilanthes sieberi</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.8
<i>Teucrium teucriiflorum</i>	0.1	0.3

Site: 5RC06

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 732091 **Northing:** 7435971

Habitat: Clay plain

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. ayersiana* tall open shrubland over *Ptilotus obovatus* scattered low shrubs over *Triodia melvillei* open hummock grassland with *Aristida obscura* scattered tussock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia melvillei</i>	15	0.6
<i>Acacia aptaneura</i>	3	4.5
<i>Acacia ayersiana</i>	1	2.8
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	4
<i>Acacia pruinocarpa</i>	1	2.5
<i>Aristida obscura</i>	1	0.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.4
<i>Acacia incurvaneura</i>	0.1	2
<i>Acacia pachyacra</i>	0.1	1.8
<i>Aristida contorta</i>	0.1	0.2
<i>Aristida ingrata</i>	0.1	0.4
<i>Panicum effusum</i>	0.1	0.6
<i>Psyrax suaveolens</i>	0.1	1.8

Site: 5RC07

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 733127 **Northing:** 7435862

Habitat: Hillcrest

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Senna glutinosa* subsp. *glutinosa* scattered tall shrubs over *Eremophila platycalyx* subsp. *pardalota* and *Acacia pruinocarpa* open shrubland over *Triodia pungens* hummock grassland with *Eriachne mucronata* scattered tussock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	45	0.4
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	2	1.5
<i>Acacia pruinocarpa</i>	1	1.2
<i>Eriachne mucronata</i>	1	0.1
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	1	2.5
<i>Acacia pachyacra</i>	0.1	3
<i>Acacia trudgeniana</i>	0.1	4
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7

Site: 5RC08

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 730270 **Northing:** 7435632

Habitat: Hillcrest

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *E. gamophylla* very open mallee woodland over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *Senna glutinosa* subsp. *glutinosa* tall open shrubland over *A. sibirica* open shrubland over *Triodia vanleeuwenii*, *T. pungens* (and *T. wiseana*) hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	20	0.3
<i>Triodia pungens</i>	15	0.6
<i>Triodia wiseana</i>	5	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	3	3.5
<i>Eucalyptus gamophylla</i>	3	4.5
<i>Acacia aptaneura</i>	2	2.2
<i>Acacia sibirica</i>	2	1.5
<i>Acacia pruinocarpa</i>	1	4.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	1	2.2
<i>Acacia trudgeniana</i>	0.1	2.2
<i>Hakea chordophylla</i>	0.1	4.5
<i>Ptilotus rotundifolius</i>	0.1	0.9

Site: 5RC09

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 730402 **Northing:** 7435776

Habitat: Pediment

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. pruinocarpa* and *A. aptaneura* tall open shrubland over *Triodia wiseana* very open hummock grassland with *Aristida obscura* scattered tussock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	8	0.6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	5.5
<i>Acacia pruinocarpa</i>	3	4.5
<i>Acacia aptaneura</i>	1	3
<i>Aristida obscura</i>	1	0.2
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.5
<i>Psyrax latifolia</i>	0.1	0.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.8
<i>Sida ectogama</i>	0.1	0.8
<i>Teucrium teucriiflorum</i>	0.1	0.5

Site: 5RC10

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735920 **Northing:** 7436153

Soil: dark reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* open woodland over *Acacia aptaneura* tall open shrubland over *Ptilotus obovatus* low open shrubland with *Themeda triandra*, (*Chrysopogon fallax*) open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	12	0.6
<i>Acacia aptaneura</i>	4	9.5
<i>Eucalyptus victrix</i>	3	13
<i>Chrysopogon fallax</i>	2	0.7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.4
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	5

Site: 5RC11

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737918 **Northing:** 7435921

Habitat: Clay plain

Soil: dark reddish brown

Rock type: Calcrete, Ironstone

Vegetation: *Eucalyptus victrix* open woodland over *Acacia aptaneura* tall open shrubland over *Ptilotus obovatus* low open shrubland with Poaceae sp. open tussock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
Poaceae sp.	20	0.4
<i>Acacia aptaneura</i>	8	7
<i>Eucalyptus victrix</i>	4	12
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	4	0.4
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Chrysopogon fallax</i>	0.1	0.5
<i>Cymbopogon ambiguus</i>	0.1	0.6
<i>Duma florulenta</i>	0.1	1.5
<i>Eremophila longifolia</i>	0.1	1.9
<i>Rhagodia eremaea</i>	0.1	1.2
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	1.9

* denotes weed species

Site: 5RC12

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 745856 Northing: 7431839

Vegetation: *Corymbia candida* scattered trees over *Eucalyptus xerothermica* scattered low trees over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. pruinocarpa* tall shrubland over *Senna artemisioides* subsp. *x artemisioides* scattered tall shrubs over *Ptilotus obovatus* and *Sida ectogama* open shrubland over *Themeda triandra* and Poaceae sp. very open tussock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	4.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	6	1.2
<i>Themeda triandra</i>	5	0.5
<i>Sida ectogama</i>	3	1.5
<i>Acacia pruinocarpa</i>	2	4
Poaceae sp.	2	0.4
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	1	2.3
<i>Corymbia candida</i>	0.5	18
<i>Eucalyptus xerothermica</i>	0.5	8
<i>Acacia aptaneura</i>	0.1	3.5
* <i>Bidens bipinnata</i>	0.1	0.5
<i>Psyrax latifolia</i>	0.1	1.5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5

* denotes weed species

Site: 5RC13

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 747768 **Northing:** 7431954

Habitat: Clay plain

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall open shrubland over *Sida ectogama* scattered shrubs over *Ptilotus obovatus* scattered low shrubs over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	6.5
<i>Acacia pruinocarpa</i>	3	3.5
<i>Triodia pungens</i>	2	0.4
<i>Sida ectogama</i>	1	1.5
<i>Anthobolus leptomerioides</i>	0.5	2.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.5
<i>Grevillea berryana</i>	0.1	4.5

Site: 5RC14

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 745812 **Northing:** 7431813

Vegetation: *Eucalyptus xerothermica* and *Corymbia candida* low open woodland over *Acacia aptaneura* and *A. catenulata* subsp. *occidentalis* tall open shrubland over *Senna artemisioides* subsp. *x artemisioides* open shrubland over *Themeda triandra* and Poaceae sp. very open tussock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	8	1.9
<i>Themeda triandra</i>	6	0.5
<i>Acacia aptaneura</i>	4	4
Poaceae sp.	3	0.4
<i>Corymbia candida</i>	2	9
<i>Eucalyptus xerothermica</i>	2	9.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	3.5
<i>Duperreya commixta</i>	0.1	0.02
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5

Site: 5RC15

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 740806 **Northing:** 7432704

Habitat: Clay plain

Vegetation: *Eucalyptus gamophylla* scattered mallees over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* (and *A. ayersiana*) tall shrubland over *Triodia pungens* very open hummock grassland with Poaceae sp. scattered tussock grasses

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	6	4
<i>Acacia aptaneura</i>	5	5.5
<i>Triodia pungens</i>	4	0.4
<i>Acacia ayersiana</i>	0.5	4
<i>Eucalyptus gamophylla</i>	0.5	3.5
Poaceae sp.	0.5	0.3
<i>Acacia pruinocarpa</i>	0.1	3.5
* <i>Bidens bipinnata</i>	0.1	0.3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	5.5
<i>Grevillea berryana</i>	0.1	2.5

* denotes weed species

Site: 5RC16

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 724547 **Northing:** 7434839

Habitat: Clay plain

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall open shrubland over *Eremophila caespitosa* low open shrubland over *Themeda triandra* and Poaceae sp. scattered tussock grasses

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	2	4
<i>Eremophila caespitosa</i>	2	0.3
<i>Acacia aptaneura</i>	1	5.5
<i>Themeda triandra</i>	1	0.7
Poaceae sp.	0.5	0.3
<i>Acacia pruinocarpa</i>	0.1	3
<i>Cucumis variabilis</i>	0.1	0.02
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4

Site: 5RC17

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 727180 **Northing:** 7435154

Habitat: Drainage depression

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Corymbia candida* and *Eucalyptus xerothermica* scattered low trees over *Hakea lorea* subsp. *lorea* scattered tall shrubs over *Themeda triandra* and *Eragrostis* sp. tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	20	0.5
<i>Eragrostis</i> sp.	12	0.3
<i>Corymbia candida</i>	0.5	6
<i>Eucalyptus xerothermica</i>	0.5	4
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.5	3
<i>Acacia aptaneura</i>	0.1	3
<i>Astrebla elymoides</i>	0.1	0.4

Site: 5RC18

Type: Mapping Note

Date: 24/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 725967 **Northing:** 7434100

Soil: reddish brown sandy clay loam

Vegetation: *Acacia pruinocarpa*, *A. aptaneura* and *A. marramamba* tall open shrubland over *Eremophila galeata* scattered shrubs over *Triodia pungens* open hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.6
<i>Acacia pruinocarpa</i>	2	4.5
<i>Acacia aptaneura</i>	0.5	3
<i>Acacia marramamba</i>	0.5	3.5
<i>Eremophila galeata</i>	0.5	1.5
<i>Acacia pachyacra</i>	0.1	1.3
<i>Acacia tetragonophylla</i>	0.1	1.5
<i>Hakea chordophylla</i>	0.1	2.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus rotundifolius</i>	0.1	0.6

Site: 5RC19

Type: Mapping Note

Date: 24/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 724628 **Northing:** 7433908

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Triodia pungens* hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	45	1.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	4
<i>Acacia aptaneura</i>	0.1	1.5
<i>Acacia marramamba</i>	0.1	3.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4

Site: 5RKM01

Type: Mapping Note

Date: 14/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 731614 **Northing:** 7435442

Habitat: Hillcrest

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	45	0.3
<i>Acacia bivenosa</i>	0.1	1.7
<i>Acacia inaequilatera</i>	0.1	2
<i>Acacia pruinocarpa</i>	0.1	1.8
<i>Acacia trudgeniana</i>	0.1	1.5
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4
<i>Hakea chordophylla</i>	0.1	1.9
<i>Ptilotus rotundifolius</i>	0.1	1.2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5

Site: 5RKM02a

Type: Mapping Note

Date: 14/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 731550 **Northing:** 7435362

Habitat: Hillslope

Soil: dark reddish brown silty clay loam

Rock type: CID, Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *Acacia aptaneura* tall shrubland over *Triodia pungens* open hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	6
<i>Triodia pungens</i>	15	0.4
<i>Acacia aptaneura</i>	1	5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Hakea chordophylla</i>	0.1	2.2
<i>Psyrax suaveolens</i>	0.1	1.2
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3

Site: 5RKM02b

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 734024 **Northing:** 7434918

Habitat: Clay plain

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall shrubland over *Ptilotus obovatus* low scattered shrubs over *Chrysopogon fallax* scattered tussock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	15	6
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.5
<i>Chrysopogon fallax</i>	0.5	1
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.3
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.6

Site: 5RKM03

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 733171 **Northing:** 7435014

Habitat: Clay plain

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Eragrostis eriopoda* and *Aristida latifolia* very open tussock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Eragrostis eriopoda</i>	0.5	0.2
<i>Eucalyptus xerothermica</i>	0.5	9
<i>Aristida latifolia</i>	0.1	0.6
<i>Capparis lasiantha</i>	0.1	1.1
<i>Chrysopogon fallax</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.3
<i>Rhagodia eremaea</i>	0.1	1.2
<i>Sida fibulifera</i>	0.1	0.05

Site: 5RKM04 **Type:** Mapping Note
Date: 15/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 732340 **Northing:** 7435428
Habitat: Hillcrest
Vegetation: *Triodia vanleeuwenii* hummock grassland
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	55	0.3
<i>Acacia bivenosa</i>	0.1	1.6
<i>Acacia rhodophloia</i>	0.1	2.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	5
<i>Hakea chordophylla</i>	0.1	3
<i>Ptilotus rotundifolius</i>	0.1	0.6
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.2

Site: 5RKM05

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 730315 **Northing:** 7435534

Habitat: Hillcrest

Soil: reddish brown silty clay loam

Vegetation: *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	45	0.3
<i>Acacia bivenosa</i>	0.1	1.2
<i>Acacia pruinocarpa</i>	0.1	1.7
<i>Acacia sibirica</i>	0.1	1.2
<i>Acacia tetragonophylla</i>	0.1	1.3
<i>Hakea chordophylla</i>	0.1	2.8
<i>Ptilotus rotundifolius</i>	0.1	0.7

Site: 5RKM06

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 730583 **Northing:** 7435407

Habitat: Hillslope

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. ayersiana* tall shrubland over *Triodia vanleeuwenii* and *T. wiseana* very open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	20	5
<i>Triodia vanleeuwenii</i>	5	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	5
<i>Acacia aptaneura</i>	1	5
<i>Acacia ayersiana</i>	1	5
<i>Triodia wiseana</i>	1	0.4
<i>Duperreya commixta</i>	0.1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.2
<i>Grevillea berryana</i>	0.1	2.1
<i>Ptilotus rotundifolius</i>	0.1	0.7

Site: 5RKM07

Type: Mapping Note

Date: 16/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737160 **Northing:** 7434796

Habitat: Foothslope

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *E. gamophylla* very open mallee woodland over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.3
<i>Triodia pungens</i>	8	0.4
<i>Eucalyptus gamophylla</i>	3	3
<i>Acacia pruinocarpa</i>	0.5	1.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	6
<i>Hakea chordophylla</i>	0.1	3

Site: 5RKM08

Type: Mapping Note

Date: 16/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737791 **Northing:** 7434866

Habitat: Foothlope

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia pruinocarpa*, *A. catenulata* subsp. *occidentalis* and *A. aptaneura* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Ptilotus obovatus* scattered low shrubs over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia pruinocarpa</i>	3	3
<i>Triodia pungens</i>	3	0.4
<i>Acacia aptaneura</i>	1	6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	1.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.4
<i>Aristida</i> sp.	0.5	0.5
<i>Grevillea berryana</i>	0.1	2.7
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.8

Site: 5RKM09

Type: Mapping Note

Date: 16/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737711 **Northing:** 7435315

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Triodia vanleeuwenii* and *Triodia pungens* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	25	0.3
<i>Triodia pungens</i>	10	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6

Site: 5RKM10

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736693 **Northing:** 7434279

Habitat: Clay plain

Soil: light reddish brown clay loam

Rock type: Calcrete

Vegetation: *Astrebla elymoides*, (*Aristida* sp.) tussock grassland

Veg Condition: Excellent

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	55	0.6
<i>Acacia aptaneura</i>	0.1	1.7
<i>Aristida latifolia</i>	0.1	0.5
<i>Eriachne ?mucronata</i>	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	5

? denotes unconfirmed ID

Site: 5RKM11

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736420 **Northing:** 7434477

Habitat: Clay plain

Soil: light reddish brown clay loam

Rock type: Ironstone

Vegetation: *Corymbia candida* scattered trees over *Acacia aptaneura* tall open shrubland over *Themeda triandra* open tussock grassland

Veg Condition: Excellent

Fire Age: No fire evident



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	20	1
<i>Acacia aptaneura</i>	2	6
<i>Corymbia candida</i>	0.5	11
<i>Aristida contorta</i>	0.1	0.1
<i>Arivela viscosa</i>	0.1	0.6
<i>Eremophila lanceolata</i>	0.1	0.3
<i>Eriachne flaccida</i>	0.1	0.2
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Rhagodia eremaea</i>	0.1	0.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.5

Site: 5RKM12

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736281 **Northing:** 7434688

Habitat: Footslope

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *Acacia pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* very open hummock grassland over *Aristida* sp. scattered tussock grasses

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	6
<i>Triodia pungens</i>	3	0.3
<i>Acacia aptaneura</i>	2	6
<i>Aristida</i> sp.	1	0.2
<i>Acacia pruinocarpa</i>	0.5	4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.4
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Eucalyptus gamophylla</i>	0.1	4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4

* denotes weed species

Site: 5RKM13

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735449 **Northing:** 7435126

Habitat: Hillslope

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia catenulata* subsp. *occidentalis* and *A. rhodophloia* over *Triodia pungens* (*T. vanleeuwenii*) hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	50	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3	5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	2.2
<i>Acacia rhodophloia</i>	0.5	2.3
<i>Triodia vanleeuwenii</i>	0.5	0.3

Site: 5RKM14

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735356 **Northing:** 7435154

Habitat: Hillslope

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	12	5
<i>Triodia pungens</i>	5	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia aptaneura</i>	0.5	5
<i>Corymbia hamersleyana</i>	0.5	4
<i>Corymbia candida</i>	0.1	6

Site: 5RKM15a

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735190 **Northing:** 7434913

Habitat: Foothslope

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *Acacia pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* very open hummock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	5
<i>Triodia pungens</i>	3	0.3
<i>Acacia pruinocarpa</i>	0.5	3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.2
<i>Anthobolus leptomerioides</i>	0.1	1.5
<i>Aristida obscura</i>	0.1	0.2
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Psyrax latifolia</i>	0.1	0.3

* denotes weed species

Site: 5RKM15b

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 740120 **Northing:** 7434444

Habitat: Clay plain

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Corymbia candida* scattered trees over *Acacia aptaneura* scattered tall shrubs over *Themeda triandra* and *Chrysopogon fallax* open tussock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	15	0.8
<i>Chrysopogon fallax</i>	2	0.8
<i>Acacia aptaneura</i>	1	7
<i>Corymbia candida</i>	1	12
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	1.6
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3

Site: 5RKM16

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 739428 **Northing:** 7434448

Habitat: Clay plain

Soil: reddish brown light clay

Rock type: Ironstone

Vegetation: *Eucalyptus victrix* and *Corymbia candida* scattered trees over *Acacia aptaneura* tall open shrubland over *Themeda triandra*, *Chrysopogon fallax* and *Aristida contorta* very open tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	8	5
<i>Themeda triandra</i>	5	0.8
<i>Aristida contorta</i>	1	0.1
<i>Chrysopogon fallax</i>	1	0.8
<i>Eucalyptus victrix</i>	1	12
<i>Corymbia candida</i>	0.5	11
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	4

Site: 5RKM17

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 738846 **Northing:** 7435305

Habitat: Minor drainage

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall open shrubland over *Triodia pungens* and *T. vanleeuwenii* very open hummock grassland with *Eriachne mucronata* and *Themeda triandra* scattered tussock grasses

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	4	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	3	2.2
<i>Acacia aptaneura</i>	1	3
<i>Eriachne mucronata</i>	1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	8
<i>Triodia vanleeuwenii</i>	1	0.3
<i>Corymbia hamersleyana</i>	0.5	6
<i>Themeda</i> ? <i>triandra</i>	0.5	0.3
<i>Santalum lanceolatum</i>	0.1	2.1

? denotes unconfirmed ID

Site: 5RKM18

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 739644 **Northing:** 7435160

Habitat: Hillslope

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.3
<i>Triodia pungens</i>	1	0.5
<i>Acacia aptaneura</i>	0.5	1.2
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	1.7
<i>Corymbia hamersleyana</i>	0.5	4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Acacia bivenosa</i>	0.1	1.4
<i>Hakea chordophylla</i>	0.1	2.8

Site: 5RKM19

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 739834 **Northing:** 7435193

Habitat: Hillcrest

Soil: red brown loam

Rock type: Ironstone

Vegetation: *Triodia vanleeuwenii* and *T. pungens* hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.3
<i>Triodia pungens</i>	10	0.5
<i>Corymbia hamersleyana</i>	0.5	4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Acacia bivenosa</i>	0.1	1.3
<i>Acacia rhodophloia</i>	0.1	1.6
<i>Hakea chordophylla</i>	0.1	2.7

Site: 5RKM20

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 750699 **Northing:** 7433081

Habitat: Foothlope

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *A. aptaneura* tall shrubland over *Eremophila forrestii* subsp. *forrestii* and *Sida ectogama* scattered shrubs over *Triodia pungens* scattered hummock grasses

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	6
<i>Acacia aptaneura</i>	7	6
<i>Triodia pungens</i>	1	0.4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.3
<i>Psyrax latifolia</i>	0.5	1.8
<i>Sida ectogama</i>	0.5	1.8
<i>Cheilanthes sieberi</i>	0.1	0.1
<i>Eremophila galeata</i>	0.1	1.6
<i>Grevillea berryana</i>	0.1	3.2
<i>Psyrax suaveolens</i>	0.1	1.7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.7

Site: 5RKM21

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 746349 **Northing:** 7432313

Habitat: Footslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis* scattered tall shrubs over *A. sibirica* scattered shrubs over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	45	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	4
<i>Acacia rhodophloia</i>	0.5	1.8
<i>Acacia sibirica</i>	0.5	1.8
<i>Acacia pachyacra</i>	0.1	1.3
<i>Hakea chordophylla</i>	0.1	4

Site: 5RKM22

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 746578 **Northing:** 7432477

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Acacia rhodophloia*, *Acacia sibirica* and *Hakea chordophylla* scattered tall shrubs to tall open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	40	0.3
<i>Acacia rhodophloia</i>	1	2.1
<i>Acacia sibirica</i>	1	2.2
<i>Corymbia hamersleyana</i>	0.5	6
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	8
<i>Hakea chordophylla</i>	0.5	3.2
<i>Acacia bivenosa</i>	0.1	1.7
<i>Acacia pachyacra</i>	0.1	1.8
<i>Acacia pruinocarpa</i>	0.1	2.5

Site: 5RKM23

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 747546 **Northing:** 7432169

Vegetation: *Corymbia deserticola* subsp. *deserticola* and *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *E. gamophylla* scattered mallees over *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Triodia pungens* open hummock

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	20	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	9	4.5
<i>Acacia pruinocarpa</i>	2	4.5
<i>Acacia ayersiana</i>	0.5	4
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	5
<i>Eucalyptus gamophylla</i>	0.5	5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Acacia pachyacra</i>	0.1	1.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.3

Site: 5RKM24

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 745091 **Northing:** 7432507

Habitat: Drainage depression

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Bothriochloa ewartiana*, (*Astrebla pectinata*) tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Bothriochloa ewartiana</i>	65	0.7
<i>Acacia aptaneura</i>	0.5	6
<i>Astrebla pectinata</i>	0.5	0.5
<i>Acacia pruinocarpa</i>	0.1	3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.3
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.3

Site: 5RKM25

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 744559 **Northing:** 7432336

Habitat: Clay plain

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* and *Corymbia candida* scattered trees over *Acacia aptaneura* scattered tall shrubs over *Senna artemisioides* subsp. x *artemisioides* scattered shrubs over *Ptilotus obovatus* low open shrubland over *Themeda triandra* and Poaceae sp. very open tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	5	0.8
<i>Themeda triandra</i>	5	0.8
Poaceae sp.	2	0.8
<i>Acacia aptaneura</i>	1	6
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>	1	1.7
<i>Corymbia candida</i>	0.5	11
<i>Eucalyptus xerothermica</i>	0.5	12
<i>Capparis lasiantha</i>	0.1	7
<i>Duperreya commixta</i>	0.1	5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.6

Site: 5RKM26

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 743721 **Northing:** 7432261

Habitat: Clay plain

Soil: reddish brown light clay

Rock type: Ironstone

Vegetation: *Eucalyptus xerothermica* and *Corymbia candida* scattered trees over *Acacia aptaneura*, *Hakea lorea* subsp. *lorea* and *Eremophila longifolia* tall open shrubland over *Ptilotus obovatus* and *Senna artemisioides* subsp. *x artemisioides* open shrubland over *Themeda triandra* and Poaceae sp. open tussock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	15	0.8
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	1.1
<i>Acacia aptaneura</i>	2	5
<i>Hakea lorea</i> subsp. <i>lorea</i>	2	4
<i>Eremophila longifolia</i>	1	3
Poaceae sp.	1	0.4
<i>Corymbia candida</i>	0.5	11
<i>Eucalyptus xerothermica</i>	0.5	12
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.5	1.9
<i>Cheilanthes sieberi</i>	0.1	0.2
<i>Duperreya commixta</i>	0.1	3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.1
<i>Santalum lanceolatum</i>	0.1	1.3

Site: 5RKM27

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 742436 **Northing:** 7431649

Habitat: Clay plain

Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Themeda triandra* and *Aristida contorta* scattered tussock grasses

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	4	3.5
<i>Aristida contorta</i>	0.5	0.1
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.6
<i>Themeda triandra</i>	0.5	0.4
<i>Chrysopogon fallax</i>	0.1	0.4
<i>Eremophila lanceolata</i>	0.1	0.4
<i>Psyrax latifolia</i>	0.1	1.6

Site: 5RKM28

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 740757 **Northing:** 7432280

Habitat: Hillcrest

Soil: reddish brown clay loam

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia pruinocarpa* and *Hakea chordophylla* scattered tall shrubs over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	32	0.3
<i>Acacia pruinocarpa</i>	1	4
<i>Acacia sibirica</i>	0.5	1.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Hakea chordophylla</i>	0.5	4
<i>Acacia aptaneura</i>	0.1	4
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4
<i>Ptilotus rotundifolius</i>	0.1	0.5

Site: 5RKM29

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 740759 **Northing:** 7431805

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. pruinocarpa* and *A. aptaneura* tall shrubland over *Triodia pungens* and *T. vanleeuwenii* open hummock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	10	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	6	4
<i>Triodia vanleeuwenii</i>	6	0.3
<i>Acacia pruinocarpa</i>	3	4
<i>Acacia aptaneura</i>	1	4
<i>Acacia ayersiana</i>	0.1	2.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.5

Site: 5RKM30 **Type:** Mapping Note
Date: 23/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 721880 **Northing:** 7434638
Habitat: Residual rise
Soil: reddish brown sandy clay loam
Rock type: Ironstone
Vegetation: *Acacia pruinocarpa* scattered tall shrubs over *Triodia pungens* and *Triodia vanleeuwenii* hummock grassland
Veg Condition: Excellent
Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	40	0.35
<i>Triodia vanleeuwenii</i>	2	0.3
<i>Acacia pruinocarpa</i>	1	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4
<i>Acacia aptaneura</i>	0.1	3.5
<i>Acacia rhodophloia</i>	0.1	1.3
<i>Acacia trudgeniana</i>	0.1	2.3
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.1	4
<i>Hakea chordophylla</i>	0.1	3.5
<i>Triodia wiseana</i>	0.1	0.5

Site: 5RKM31

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 722340 **Northing:** 7434382

Habitat: Drainage depression

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Themeda triandra* open tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	25	0.8
<i>Acacia aptaneura</i>	1.5	6
<i>Panicum</i> sp.	0.5	0.2
<i>Hakea chordophylla</i>	0.1	2.8

Site: 5RKM32

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 722818 **Northing:** 7434589

Habitat: Foothlope

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* and *A. pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* scattered hummock grasses

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	6
<i>Acacia pruinocarpa</i>	3	7
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1.5	1.7
<i>Triodia pungens</i>	0.5	0.4
<i>Cheilanthes sieberi</i>	0.1	0.1
<i>Grevillea berryana</i>	0.1	4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2
<i>Sida ectogama</i>	0.1	1.7

Site: 5RKM33

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 724536 **Northing:** 7434424

Habitat: Foothlope

Soil: reddish brown clay loam

Rock type: Ironstone

Vegetation: *Acacia aptaneura* tall shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Eremophila caespitosa* scattered low shrubs

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	6
<i>Eremophila caespitosa</i>	0.5	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	3
<i>Cheilanthes sieberi</i>	0.1	0.1
<i>Eucalyptus xerothermica</i>	0.1	7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Themeda triandra</i>	0.1	0.7
<i>Tridia pungens</i>	0.1	0.3

Site: 5RKM34

Type: Mapping Note

Date: 24/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 725233 **Northing:** 7433873

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia marramamba* and *A. pruinocarpa* scattered tall shrubs over *Triodia pungens* hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	32	0.6
<i>Acacia marramamba</i>	0.5	2.2
<i>Acacia pruinocarpa</i>	0.5	2.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	6
<i>Eremophila galeata</i>	0.1	1.2

Site: 5RLV01

Type: Mapping Note

NA

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 734030 Northing: 7435012

Vegetation: *Acacia aptaneura* and *A. pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	15	4
<i>Acacia pruinocarpa</i>	7	8
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Rhagodia eremaea</i>	0.1	1
<i>Triodia wiseana</i>	0.1	0.5

Site: 5RLV02

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 733216 **Northing:** 7434789

Vegetation: *Acacia aptaneura*, *Hakea lorea* subsp. *lorea* and *Acacia pruinocarpa* tall shrubland over *Ptilotus obovatus* scattered low shrubs over *Chrysopogon fallax* scattered tussock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	25	7
<i>Acacia pruinocarpa</i>	1	6
<i>Chrysopogon fallax</i>	1	0.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	1	5
<i>Aristida latifolia</i>	0.5	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.4
<i>Rhagodia eremaea</i>	0.1	0.6

Site: 5RLV03

Type: Mapping Note

Date: 15/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 732688 **Northing:** 7434784

Vegetation: *Eucalyptus xerothematica* low open woodland over *Acacia aptaneura* and *A. aptaneura* tall shrubland over *Themeda triandra* and *Chrysopogon fallax* very open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	5
<i>Eucalyptus xerothematica</i>	2	9
<i>Themeda triandra</i>	1	0.6
<i>Aristida contorta</i>	0.5	0.1
<i>Chrysopogon fallax</i>	0.5	0.4
<i>Eulalia aurea</i>	0.1	0.3

Site: 5RLV04

Type: Mapping Note

Date: 16/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 738094 **Northing:** 7434153

Rock type: Calcrete

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Acacia aptaneura* and *A. tetragonophylla* tall open shrubland over *Ptilotus obovatus* low open shrubland over Poaceae sp. very open tussock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.5
Poaceae sp.	2	0.05
<i>Acacia aptaneura</i>	1	4
<i>Acacia tetragonophylla</i>	1	2.1
<i>Eucalyptus xerothermica</i>	0.5	4
<i>Eremophila longifolia</i>	0.1	3
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.6

Site: 5RLV05

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737787 **Northing:** 7434237

Habitat: Clay plain

Soil: reddish brown clay loam

Rock type: Calcrete

Vegetation: *Eucalyptus xerothermica* scattered low trees over *Acacia aptaneura* scattered low shrubs over *Aristida ?latifolia* (*Astrebla* sp.) tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Aristida ?latifolia</i>	40	0.5
<i>Eucalyptus xerothermica</i>	1	5
<i>Acacia aptaneura</i>	0.5	3
<i>Themeda triandra</i>	0.5	0.7
<i>Chrysopogon fallax</i>	0.1	0.5
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	2

? denotes unconfirmed ID

Site: 5RLV06

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737729 **Northing:** 7434391

Vegetation: *Acacia aptaneura* scattered tall shrubs over ?*Aristida contorta* scattered tussock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	1	4
<i>Aristida ?contorta</i>	1	0.05
<i>Chrysopogon fallax</i>	0.1	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	4
<i>Themeda triandra</i>	0.1	0.4

? denotes unconfirmed ID

Site: 5RLV07

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737767 **Northing:** 7434554

Rock type: Ironstone

Vegetation: *Acacia aneura* and *A. pruinocarpa* tall open shrubland over *Acacia aptaneura* scattered shrubs over *Eremophila forrestii* subsp. *forrestii* scattered low shrubs over *Triodia pungens* scattered hummock grasses with *Chrysopogon fallax* scattered tussock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aneura</i>	5	5
<i>Acacia pruinocarpa</i>	1	4
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	1	0.7
<i>Triodia pungens</i>	1	0.35
<i>Acacia aptaneura</i>	0.5	1.9
<i>Chrysopogon fallax</i>	0.5	0.3
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.6

Site: 5RLV08

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735720 **Northing:** 7435108

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia pruinocarpa* and *A. catenulata* subsp. *occidentalis* scattered tall shrubs over *Triodia pungens* and *T. vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.4
<i>Triodia vanleeuwenii</i>	15	0.3
<i>Acacia pruinocarpa</i>	1	2.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	2.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	3
<i>Eremophila latrobei</i>	0.1	1.6

Site: 5RLV09

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735829 **Northing:** 7434962

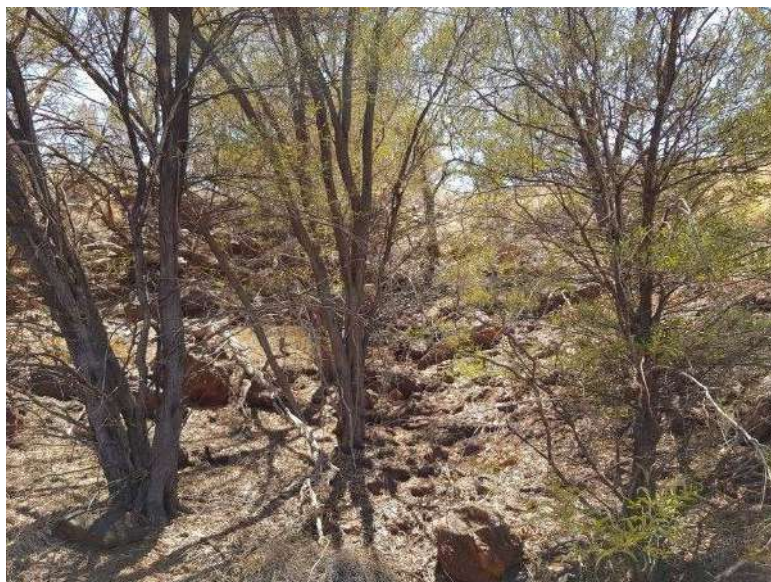
Habitat: Gully

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	15	3.5
<i>Triodia pungens</i>	3	0.4
<i>Acacia pruinocarpa</i>	1	3
<i>Aristida</i> sp.	0.1	0.2
<i>Corymbia hamersleyana</i>	0.1	3
<i>Enneapogon lindleyanus</i>	0.1	0.3
<i>Eriachne mucronata</i>	0.1	0.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3

Site: 5RLV10

Type: Mapping Note

Date: 17/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 739636 **Northing:** 7434703

Vegetation: *Eucalyptus victrix* scattered low trees over *Acacia aptaneura* tall shrubland over *Chrysopogon fallax* and *Themeda triandra* very open tussock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	12	4
<i>Chrysopogon fallax</i>	2	0.35
<i>Eucalyptus victrix</i>	1	8
<i>Themeda triandra</i>	0.5	0.4
<i>Grevillea berryana</i>	0.1	4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4

Site: 5RLV11

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 739800 **Northing:** 7435076

Habitat: Gully

Rock type: Ironstone

Vegetation: *Acacia aptaneura* low open woodland over *A. catenulata* subsp. *occidentalis* scattered tall shrubs over *Triodia pungens* very open hummock grassland over *Eriachne mucronata* open tussock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eriachne mucronata</i>	15	0.3
<i>Acacia aptaneura</i>	4	8
<i>Triodia pungens</i>	2	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	2.2
<i>Corymbia hamersleyana</i>	0.5	4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	4
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.6

Site: 5RLV12

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 740140 **Northing:** 7435216

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia hamersleyensis* tall open shrubland over *Triodia pungens* and *T. vanleeuwenii* hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.4
<i>Triodia vanleeuwenii</i>	15	0.3
<i>Acacia hamersleyensis</i>	3	2.1
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Corymbia hamersleyana</i>	0.1	5

Site: 5RLV13

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 740189 **Northing:** 7435175

Vegetation: *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* scattered tussock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	10	6
<i>Triodia pungens</i>	2	0.3
<i>Eriachne mucronata</i>	0.5	0.3
<i>Acacia hamersleyensis</i>	0.1	2
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>	0.1	1.6
<i>Corymbia hamersleyana</i>	0.1	5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	3

Site: 5RLV14

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 740554 **Northing:** 7435210

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia maitlandii</i>	0.1	1
<i>Eremophila latrobei</i>	0.1	1.2
<i>Hakea chordophylla</i>	0.1	2.3
<i>Triodia pungens</i>	0.1	0.35

Site: 5RLV15 **Type:** Mapping Note
Date: 18/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 740899 **Northing:** 7435224
Vegetation: *Acacia rhodophloia* open shrubland over *Triodia vanleeuwenii* hummock grassland
Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	45	0.3
<i>Acacia rhodophloia</i>	3	1.9
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	5
<i>Acacia sibirica</i>	0.1	1.6
<i>Corymbia hamersleyana</i>	0.1	3
<i>Grevillea berryana</i>	0.1	2
<i>Hakea chordophylla</i>	0.1	1.8

Site: 5RLV16

Type: Mapping Note

Date: 18/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 741048 **Northing:** 7435210

Habitat: Gorge

Vegetation: *Corymbia hamersleyana* scattered low trees with *Acacia catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall open shrubland over *Triodia pungens* scattered hummock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	4	4
<i>Acacia pruinocarpa</i>	1	3
<i>Triodia pungens</i>	1	0.4
<i>Acacia aptaneura</i>	0.5	2
<i>Corymbia hamersleyana</i>	0.5	3.5
<i>Themeda triandra</i>	0.1	0.35

Site: 5RLV17

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 742142 **Northing:** 7435170

Habitat: Hillslope

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia sibirica* open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.3
<i>Acacia sibirica</i>	3	1.9
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	2.5
<i>Acacia pruinocarpa</i>	0.1	1.6
<i>Acacia rhodophloia</i>	0.1	1.8
<i>Acacia trudgeniana</i>	0.1	1.9
<i>Grevillea berryana</i>	0.1	2
<i>Hakea chordophylla</i>	0.1	2.5
<i>Ptilotus rotundifolius</i>	0.1	0.4

Site: 5RLV18

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 742906 **Northing:** 7434974

Habitat: Hillslope

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	25	4
<i>Triodia pungens</i>	5	0.35
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6
<i>Acacia tetragonophylla</i>	0.1	1.9
<i>Amyema</i> sp.	0.1	2
<i>Anthobolus leptomerioides</i>	0.1	0.8
<i>Eremophila latrobei</i>	0.1	0.5
<i>Grevillea berryana</i>	0.1	3
<i>Hakea chordophylla</i>	0.1	2.2
<i>Ptilotus rotundifolius</i>	0.1	0.4

Site: 5RLV19

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 743190 **Northing:** 7434839

Habitat: Plain

Rock type: Calcrete

Vegetation: *Acacia pruinocarpa* tall open shrubland over *Ptilotus obovatus* shrubland over **Cenchrus ciliaris* scattered tussock grasses

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	12	1.2
<i>Acacia pruinocarpa</i>	9	5
<i>*Cenchrus ciliaris</i>	0.5	0.4
<i>Acacia aptaneura</i>	0.1	1.7
<i>Acacia tetragonophylla</i>	0.1	1.7
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	4
<i>Grevillea berryana</i>	0.1	1.8
<i>Rhagodia eremaea</i>	0.1	1.3
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	1.6
<i>Solanum lasiophyllum</i>	0.1	0.8
<i>Triodia ?wiseana</i>	0.1	0.3

* denotes weed species

? denotes unconfirmed ID

Site: 5RLV20

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 743868 **Northing:** 7434752

Habitat: Clay plain

Rock type: Calcrete

Vegetation: *Acacia aptaneura* and *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Astrebly elymoides* and *Aristida latifolia* tussock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Astrebly elymoides</i>	40	0.4
<i>Acacia aptaneura</i>	9	7
<i>Aristida latifolia</i>	1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	8
* <i>Bidens bipinnata</i>	0.1	0.1
<i>Eragrostis</i> sp.	0.1	0.15

* denotes weed species

Site: 5RLV21

Type: Mapping Note

Date: 19/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 743938 **Northing:** 7434662

Rock type: Calcrete

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Ptilotus obovatus*, (*Senna artemisioides* subsp. *x artemisioides*) shrubland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	15	1.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	9
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.5	1.7
<i>Acacia tetragonophylla</i>	0.1	1.6
<i>Cymbopogon ambiguus</i>	0.1	0.4
<i>Rhagodia eremaea</i>	0.1	1.3
<i>Sclerolaena cornishiana</i>	0.1	0.15

Site: 5RLV22 **Type:** Mapping Note
Date: 19/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 743184 **Northing:** 7434493
Vegetation: *Eucalyptus victrix* scattered low trees over *Astrebla elymoides* tussock grassland
Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	60	0.4
<i>Eucalyptus victrix</i>	1	6
<i>Acacia aptaneura</i>	0.1	3
<i>Aristida ?latifolia</i>	0.1	0.35
<i>Chrysopogon fallax</i>	0.1	0.4
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>	0.1	1.8
<i>Themeda triandra</i>	0.1	0.4

? denotes unconfirmed ID

Site: 5RLV23

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 744628 **Northing:** 7434360

Habitat: Clay plain

Vegetation: *Acacia aptaneura* tall shrubland over *Chrysopogon fallax* and *Aristida latifolia* scattered tussock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	15	4
<i>Aristida latifolia</i>	0.5	0.35
<i>Chrysopogon fallax</i>	0.5	0.6
<i>Arivela viscosa</i>	0.1	0.25
<i>Astrebla ?elymoides</i>	0.1	0.4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.6
<i>Solanum lasiophyllum</i>	0.1	0.3

? denotes unconfirmed ID

Site: 5RLV24

Type: Mapping Note

Date: 20/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 745981 **Northing:** 7433900

Habitat: Clay plain

Vegetation: *Eucalyptus victrix* scattered low trees over *Acacia aptaneura* tall open shrubland over *Rhagodia* sp. Hamersley (M. Trudgen 17794) scattered shrubs over *Ptilotus obovatus* scattered low shrubs over *Chrysopogon fallax* scattered tussock grasses

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	4	4
<i>Chrysopogon fallax</i>	1	0.3
<i>Eucalyptus victrix</i>	1	0.7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	1	1.4

Site: 5RLV25

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736045 **Northing:** 7432582

Habitat: Gully

Rock type: Calcrete, Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* tall open shrubland over *Triodia pungens* very open hummock grassland over *Eriachne mucronata* very open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	9	2.3
<i>Triodia pungens</i>	5	0.3
<i>Eriachne mucronata</i>	3	0.3
<i>Acacia aptaneura</i>	0.5	2.5
<i>Petalostylis labicheoides</i>	0.1	1.8
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.1	1.4
<i>Seringia</i> sp.	0.1	0.6

Site: 5RLV26

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736512 **Northing:** 7432508

Habitat: Hillslope

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* low open woodland over *Acacia sibirica* scattered shrubs over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	50	0.3
<i>Corymbia hamersleyana</i>	1	4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia sibirica</i>	0.5	1.8
<i>Acacia pruinocarpa</i>	0.1	3
<i>Acacia rhodophloia</i>	0.1	1.5
<i>Seringia</i> sp.	0.1	0.3
<i>Triodia pungens</i>	0.1	0.35

Site: 5RLV27

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737860 **Northing:** 7432291

Habitat: Gully

Vegetation: *Acacia catenulata* subsp. *occidentalis*, (*Grevillea berryana*) tall shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	20	3
<i>Triodia pungens</i>	3	0.3
<i>Grevillea berryana</i>	0.5	4
<i>Capparis lasiantha</i>	0.1	0.6
<i>Petalostylis labicheoides</i>	0.1	2
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.6

Site: 5RLV28

Type: Mapping Note

Date: 21/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 737592 **Northing:** 7432362

Vegetation: *Acacia aptaneura* and *Grevillea berryana* tall shrubland over *Calytrix carinata* and *Eremophila forrestii* subsp. *forrestii* shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	6
<i>Calytrix carinata</i>	15	1.2
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	5	1.2
<i>Triodia pungens</i>	3	0.3
<i>Grevillea berryana</i>	0.5	3
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.1	2.5
<i>Acacia mulganeura</i>	0.1	2.2
<i>Corymbia hamersleyana</i>	0.1	3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	4

Site: 5RLV29

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 733608 **Northing:** 7433057

Habitat: Stony plain

Vegetation: *Acacia pruinocarpa* and *A. aptaneura* tall open shrubland over *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* scattered hummock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Acacia pruinocarpa</i>	2	4.5
<i>Acacia aptaneura</i>	1	7
<i>Triodia pungens</i>	1	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.6
<i>Themeda triandra</i>	0.5	0.4
<i>Hakea chordophylla</i>	0.1	1.5
<i>Psyrax latifolia</i>	0.1	1.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.3

Site: 5RLV30

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736848 **Northing:** 7433509

Habitat: Clay plain

Rock type: Calcrete

Vegetation: *Ptilotus obovatus* scattered low shrubs over *Eragrostis setifolia* and *Aristida latifolia* very open tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Eragrostis setifolia</i>	3	0.2
<i>Aristida latifolia</i>	1	0.35
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	1	0.4
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	4
<i>Senna artemisioides</i> subsp. <i>x artemisioides</i>	0.1	0.4

Site: 5RLV31

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 736449 **Northing:** 7433187

Habitat: Plain

Rock type: Calcrete

Vegetation: *Eucalyptus repullulans* very open mallee woodland over *Ptilotus obovatus* scattered low shrubs over *Triodia wiseana* hummock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	40	0.4
<i>Eucalyptus repullulans</i>	3	4
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.4
<i>Acacia aptaneura</i>	0.1	5
<i>Eucalyptus xerothermica</i>	0.1	3
<i>Rhagodia eremaea</i>	0.1	1.3

Site: 5RLV32

Type: Mapping Note

Date: 22/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 735631 **Northing:** 7433035

Habitat: Stony plain

Rock type: Ironstone

Vegetation: *Acacia aptaneura* and *A. pruinocarpa* tall open shrubland over *Aristida obscura* scattered tussock grasses

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	2	4
<i>Acacia pruinocarpa</i>	2	4
<i>Aristida obscura</i>	0.5	0.2
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.25
<i>Triodia pungens</i>	0.1	0.3

Site: 5RLV33

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 729276 **Northing:** 7434409

Habitat: Clay plain

Rock type: Ironstone

Vegetation: *Eremophila caespitosa* scattered low shrubs over *Triodia melvillei* scattered hummock grasses

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Eremophila caespitosa</i>	1	0.25
<i>Acacia aptaneura</i>	0.1	1.9
<i>Grevillea berryana</i>	0.1	2.5
<i>Psyrax latifolia</i>	0.1	1.6
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.35
<i>Triodia melvillei</i>	0.1	0.4

Site: 5RLV34

Type: Mapping Note

Date: 23/09/2019

Described by: KM / BE / LV / CM

MGA zone: 50K

Easting: 727539 **Northing:** 7435404

Rock type: Ironstone

Vegetation: *Corymbia candida* scattered trees over *Acacia aptaneura* scattered tall shrubs over *Themeda triandra*, (*Chrysopogon fallax*) tussock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	45	0.4
<i>Acacia aptaneura</i>	0.5	3.5
<i>Chrysopogon fallax</i>	0.5	0.35
<i>Corymbia candida</i>	0.5	10
<i>Eragrostis</i> sp.	0.1	0.1
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	2

Site: 5RLV35 **Type:** Mapping Note
Date: 24/09/2019 **Described by:** KM / BE / LV / CM
MGA zone: 50K **Easting:** 726923 **Northing:** 7434816
Habitat: Stony plain
Rock type: Ironstone
Vegetation: *Acacia aptaneura* tall open shrubland over *Eremophila caespitosa* low open shrubland
Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Eremophila caespitosa</i>	3	0.2
<i>Acacia aptaneura</i>	2	3.5
<i>Acacia tetragonophylla</i>	0.1	1.5
<i>Aristida latifolia</i>	0.1	0.35
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.4
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>	0.1	0.35
<i>Themeda triandra</i>	0.1	0.4

Site: 6RAF001

Type: Mapping Note

Date: 18/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 728945 **Northing:** 7431544

Habitat: Plain

Soil: reddish brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus gamophylla* low open woodland over *Acacia pruinocarpa*, *A. catenulata* and *A. inaequilatera* tall open shrubland over *Ptilotus obovatus* scattered low shrubs over *Triodia melvillei*, *T. pungens* and *T. vanleeuwenii* very open hummock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Eucalyptus gamophylla</i>	3	4.5
<i>Triodia melvillei</i>	2	0.8
<i>Acacia pruinocarpa</i>	1	2.5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	2.5
<i>Acacia inaequilatera</i>	0.5	3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.4
<i>Triodia pungens</i>	0.5	0.7
<i>Triodia vanleeuwenii</i>	0.5	0.3
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3.5

Site: 6RAF002

Type: Mapping Note

Date: 18/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 728947 **Northing:** 7431798

Habitat: Plain

Soil: reddish brown

Rock type: Ironstone

Vegetation: *Acacia pachyacra* and *A. aptaneura* scattered tall shrubs over *Ptilotus obovatus* and *Seringia elliptica* scattered low shrubs over *Aristida ingrata* and *Chrysopogon fallax* very open tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Aristida ingrata</i>	1	1.1
<i>Chrysopogon fallax</i>	1	0.6
<i>Acacia aptaneura</i>	0.5	5
<i>Acacia pachyacra</i>	0.5	2.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.5
<i>Seringia exastia</i>	0.5	0.6

Site: 6RKM001

Type: Mapping Note

Date: 12/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 750691 **Northing:** 7434240

Habitat: Breakaway

Soil: dark reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Corymbia ferritcola* scattered low trees over *Acacia catenulata* subsp. *occidentalis* tall shrubland over *Triodia pungens* very open hummock grassland with *Eriachne mucronata* very open tussock grassland

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	20	6
<i>Eriachne mucronata</i>	5	0.3
<i>Triodia pungens</i>	4	0.3
<i>Corymbia ferritcola</i>	0.5	4
<i>Dodonaea viscosa</i>	0.1	1.2
<i>Psyrax latifolia</i>	0.1	2.5

Site: 6RKM002

Type: Mapping Note

Date: 12/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 751131 **Northing:** 7433260

Habitat: Footslope

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Acacia sibirica* tall shrubland over *Triodia pungens* and *T. vanleeuwenii* very open hummock grassland

Veg Condition: Poor

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia sibirica</i>	25	2.5
<i>Triodia pungens</i>	2	0.3
<i>Triodia vanleeuwenii</i>	2	0.3
<i>Acacia aptaneura</i>	0.1	3
<i>Cymbopogon ambiguus</i>	0.1	0.5
<i>Eriachne mucronata</i>	0.1	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	5
<i>Grevillea berryana</i>	0.1	4

Site: 6RKM003

Type: Mapping Note

Date: 12/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 751309 **Northing:** 7433124

Habitat: Foothlope

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis* and *Acacia aptaneura* tall shrubland over *Triodia pungens* and *T. vanleeuwenii* very open hummock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	12	6
<i>Acacia aptaneura</i>	3	4
<i>Triodia pungens</i>	2	0.3
<i>Triodia vanleeuwenii</i>	1	0.3
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1.7
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1	1.5

Site: 6RKM004

Type: Mapping Note

Date: 12/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 751642 **Northing:** 7433511

Habitat: Foothlope

Soil: reddish brown

Vegetation: *Acacia inaequilatera* scattered tall shrubs (burnt)

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia inaequilatera</i>	2	3
<i>Hakea chordophylla</i>	0.1	1.8
<i>Indigofera monophylla</i>	0.1	0.3
<i>Triodia vanleeuwenii</i>	0.1	0.05

Site: 6RKM005

Type: Mapping Note

Date: 13/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 748109 **Northing:** 7436655

Habitat: Gully

Rock type: Ironstone

Vegetation: *Corymbia ferritcola* and *Ficus brachypoda* low woodland over *Acacia aptaneura*, *Dodonaea pachyneura* and *Acacia ayersiana* tall shrubland over *Triodia pungens* open hummock grassland with *Eriachne mucronata* and *Cymbopogon ambiguus* very open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Corymbia ferritcola</i>	12	6
<i>Triodia pungens</i>	12	0.4
<i>Eriachne mucronata</i>	9	0.3
<i>Acacia aptaneura</i>	4	7
<i>Acacia mulganeura</i>	2	7
<i>Dodonaea pachyneura</i>	2	2.5
<i>Ficus brachypoda</i>	2	5
<i>Cymbopogon ambiguus</i>	0.5	0.5
<i>Psyrax latifolia</i>	0.1	2.1

Site: 6RKM006

Type: Mapping Note

Date: 15/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 740816 **Northing:** 7438148

Habitat: Hillcrest

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* low open woodland over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland

Veg Condition: Excellent

Fire Age: 2-5 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	12	0.15
<i>Triodia pungens</i>	3	0.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	6
<i>Corymbia hamersleyana</i>	0.5	4
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.2
<i>Acacia hilliana</i>	0.1	0.2
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>	0.1	1.6
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	1.7
<i>Petalostylis labicheoides</i>	0.1	2.1

Site: 6RKM007

Type: Mapping Note

Date: 12/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 751340 **Northing:** 7432887

Habitat: Minor drainage

Soil: reddish brown

Rock type: Ironstone

Vegetation: *Acacia catenulata* subsp. *occidentalis*, *A. aptaneura* and *A. tetragonophylla* tall shrubland over *Sida ectogama* and *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* very open hummock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	6
<i>Triodia pungens</i>	5	0.3
<i>Acacia aptaneura</i>	2	6
<i>Sida ectogama</i>	1	1.8
<i>Acacia tetragonophylla</i>	0.5	2.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.2
* <i>Cenchrus ciliaris</i>	0.1	0.7
<i>Chrysopogon fallax</i>	0.1	0.8
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1	1.1
<i>Themeda triandra</i>	0.1	0.8

* denotes weed species

Site: 6RKM008

Type: Mapping Note

Date: 15/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 741093 **Northing:** 7438532

Habitat: Cliff

Soil: reddish brown silty clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia aptaneura* tall shrubland over *Triodia pungens* open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	20	5
<i>Triodia pungens</i>	20	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	4
<i>Solanum lasiophyllum</i>	0.1	0.3

Site: 6RKM009

Type: Mapping Note

Date: 16/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 751476 **Northing:** 7435857

Habitat: Plain

Soil: reddish brown

Rock type: Ironstone

Vegetation: *Acacia ayersiana*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Anthobolus leptomerioides* and *Eremophila forrestii* subsp. *forrestii* scattered shrubs over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Acacia ayersiana</i>	8	4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	8	4
<i>Triodia pungens</i>	2	0.4
<i>Acacia aptaneura</i>	1	4
<i>Acacia pruinocarpa</i>	1	4
<i>Anthobolus leptomerioides</i>	0.5	1.8
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.5	1.2
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5

Site: 6RKM010 **Type:** Mapping Note
Date: 16/10/2019 **Described by:** KMc / AF / BL / CM
MGA zone: 50K **Easting:** 751668 **Northing:** 7435919
Vegetation: *Triodia vanleeuwenii* and *T. pungens* hummock grassland
Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.4
<i>Triodia pungens</i>	5	0.5
<i>Acacia ancistrocarpa</i>	0.1	2.2
<i>Acacia pruinocarpa</i>	0.1	4
<i>Acacia trudgeniana</i>	0.1	1.8
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.1	5
<i>Hakea chordophylla</i>	0.1	3
<i>Ptilotus rotundifolius</i>	0.1	0.8

Site: 6RKM011

Type: Mapping Note

Date: 16/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 752778 **Northing:** 7437166

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia pruinocarpa*, *A. catenulata* subsp. *occidentalis* and *A. aptaneura* tall open shrubland over *Triodia vanleeuwenii* hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.4
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	1	3.5
<i>Acacia pruinocarpa</i>	1	4
<i>Acacia aptaneura</i>	0.5	2.5
<i>Acacia ayersiana</i>	0.5	3.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	0.5	4

Site: 6RKM012

Type: Mapping Note

Date: 16/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 753466 **Northing:** 7436546

Habitat: Plain

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Eremophila forrestii* subsp. *forrestii* open shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	10	5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	10	6
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	8	1.4
<i>Acacia pruinocarpa</i>	3	7
<i>Triodia pungens</i>	3	0.4
<i>Grevillea berryana</i>	0.5	4
<i>Acacia ayersiana</i>	0.1	1.8
<i>Psyrax latifolia</i>	0.1	3

Site: 6RKM013

Type: Mapping Note

Date: 17/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 744071 **Northing:** 7435898

Rock type: Calcrete

Vegetation: *Eucalyptus victrix* scattered low trees over *Ptilotus obovatus* low shrublandover **Cenchrus ciliaris* scattered tussock grasses

Veg Condition: Very Good

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	15	0.5
* <i>Cenchrus ciliaris</i>	0.5	0.5
<i>Eucalyptus victrix</i>	0.5	8
<i>Hakea lorea</i> subsp. <i>lorea</i>	0.1	3.5
<i>Rhagodia eremaea</i>	0.1	1.5
<i>Senna artemisioides</i> subsp. <i>petiolaris</i>	0.1	1.5

* denotes weed species

Site: 6RKM014

Type: Mapping Note

Date: 17/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 744009 **Northing:** 7435886

Habitat: Clay plain

Soil: reddish brown light clay

Rock type: Calcrete

Vegetation: *Eucalyptus victrix* scattered low trees over *Acacia aptaneura* scattered tall shrubs over *Rhagodia eremaea* scattered shrubs over *Astrebla elymoides* tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Astrebla elymoides</i>	40	0.5
<i>Eucalyptus victrix</i>	1	8
<i>Acacia aptaneura</i>	0.5	4
<i>Rhagodia eremaea</i>	0.5	1.8
<i>Chrysopogon fallax</i>	0.1	0.7
Poaceae sp.	0.1	0.4

Site: 6RKM015

Type: Mapping Note

Date: 18/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 729049 **Northing:** 7431219

Habitat: Hillslope

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* scattered low trees over *Acacia catenulata* subsp. *occidentalis* scattered tall shrubs over *Ptilotus rotundifolius* and *Senna glutinosa* subsp. *x luerssenii* scattered shrubs over *Triodia vanleeuwenii* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	22	0.3
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	5
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	0.5	4
<i>Ptilotus rotundifolius</i>	0.5	1.2
<i>Senna glutinosa</i> subsp. <i>x luerssenii</i>	0.5	1.6
<i>Amphipogon sericeus</i>	0.1	0.3
<i>Capparis lasiantha</i>	0.1	0.5
<i>Eremophila latrobei</i>	0.1	1.3

Site: 6RKM016

Type: Mapping Note

Date: 18/10/2019

Described by: KMc / AF / BL / CM

MGA zone: 50K

Easting: 728889 **Northing:** 7430794

Habitat: Drainage depression

Vegetation: *Acacia aptaneura* scattered tall shrubs over *Themeda triandra* and *Aristida latifolia* open tussock grassland

Veg Condition: Excellent

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	10	0.8
<i>Aristida latifolia</i>	8	0.8
<i>Acacia aptaneura</i>	0.5	5
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1.2

Site: 7RB06

Type: Mapping Note

Date: 11/11/2019

Described by: KMc / BE / JD / CM

MGA zone: 50K

Easting: 730239 **Northing:** 7444801

Vegetation: *Acacia aptaneura*, *A. catenulata* subsp. *occidentalis* and *A. pruinocarpa* tall shrubland over *Ptilotus obovatus* low open shrubland over *Triodia pungens* open hummock grassland

Veg Condition: Excellent



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	13	0.5
<i>Acacia aptaneura</i>	8	6
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>	5	5.5
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3	0.9
<i>Acacia pruinocarpa</i>	2	5

Site: 7RB07 **Type:** Mapping Note
Date: 12/11/2019 **Described by:** KMc / BE / JD / CM
MGA zone: 50K **Easting:** 732289 **Northing:** 7441256
Habitat: Hillcrest
Soil: reddish brown sandy loam
Rock type: Ironstone, Mudstone, Quartz
Vegetation: *Melaleuca eleuterostachya* shrubland over *Triodia wiseana* hummock grassland
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	35	0.5
<i>Melaleuca eleuterostachya</i>	17	1.4

Site: 7RK003 **Type:** Mapping Note
Date: 12/11/2019 **Described by:** KMc / BE / JD / CM
MGA zone: 50K **Easting:** 737074 **Northing:** 7440516
Rock type: Calcrete, Ironstone
Vegetation: *Eucalyptus repullulans* low very open mallee over *Triodia wiseana* open hummock grassland
Veg Condition: Excellent
Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia wiseana</i>	28	0.4
<i>Eucalyptus repullulans</i>	2	4
<i>Acacia aptaneura</i>	0.1	3.2
<i>Acacia bivenosa</i>	0.1	3
<i>Acacia synchronicia</i>	0.1	3

Site: 8RB001

Type: Mapping Note

Date: 21/06/2020

Described by: KMc / CM / PJ / BL

MGA zone: 50K

Easting: 737732 **Northing:** 7438021

Habitat: Hillcrest

Soil: red brown sandy clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* (*Corymbia deserticola* subsp. *deserticola* and *C. hamersleyana*) low open woodland over *Triodia vanleeuwenii* closed hummock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	85	0.5
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	6
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5	3
<i>Corymbia hamersleyana</i>	0.5	5
<i>Acacia pruinocarpa</i>	0.1	1.8
<i>Calytrix carinata</i>	0.1	0.7
<i>Eucalyptus gamophylla</i>	0.1	4.5
<i>Goodenia triodiophila</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	2.5
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1	1.5
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1	1.2
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1	0.2

Site: 8RB002

Type: Mapping Note

Date: 21/06/2020

Described by: KMc / CM / PJ / BL

MGA zone: 50K

Easting: 737767 **Northing:** 7438136

Vegetation: Boundary between *Triodia vanleeuwenii* and *Triodia pungens*

Veg Condition: Very Good

Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	25	0.4
<i>Triodia vanleeuwenii</i>	25	0.3

Site: 8RC003

Type: Mapping Note

Date: 22/06/2020

Described by: KMc / CM / PJ / BL

MGA zone: 50K

Easting: 741891 **Northing:** 7438312

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Dolerite, Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* (*Corymbia hamersleyana*) low open woodland over *Acacia maitlandii* low open shrubland over *Triodia vanleeuwenii* and *T. pungens* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	15	0.2
<i>Acacia maitlandii</i>	3	0.4
<i>Triodia pungens</i>	3	0.2
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	6.5
<i>Corymbia hamersleyana</i>	0.5	3.8
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.2
<i>Acacia hilliana</i>	0.1	0.2
<i>Acacia pruinocarpa</i>	0.1	0.5
<i>Acacia sibirica</i>	0.1	0.6
<i>Gompholobium oreophilum</i>	0.1	0.3
<i>Hakea chordophylla</i>	0.1	2.3
<i>Seringia exastia</i>	0.1	0.4

Site: 8RC004

Type: Mapping Note

Date: 22/06/2020

Described by: KMc / CM / PJ / BL

MGA zone: 50K

Easting: 741731 **Northing:** 7438307

Habitat: Hillslope

Soil: reddish brown sandy clay loam

Rock type: Dolerite, Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* and *Corymbia hamersleyana* scattered low trees over *Gossypium robinsonii* scattered shrubs over *Acacia maitlandii* and *Gompholobium oreophilum* low open shrubland over *Triodia pungens* (and *T. vanleeuwenii*) open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia pungens</i>	15	0.2
<i>Acacia maitlandii</i>	3	0.4
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	1	6.5
<i>Gossypium robinsonii</i>	1	1.8
<i>Corymbia hamersleyana</i>	0.5	3.8
<i>Gompholobium oreophilum</i>	0.5	0.3
<i>Triodia vanleeuwenii</i>	0.5	0.2
<i>Acacia hilliana</i>	0.1	0.2

Site: 8RKM001

Type: Mapping Note

Date: 21/06/2020

Described by: KMc / CM / PJ / BL

MGA zone: 50K

Easting: 731642 **Northing:** 7441643

Habitat: Minor drainage

Soil: reddish brown

Vegetation: *Eucalyptus xerothermica* low open woodland over *Acacia aptaneura* scattered tall shrubs over *Themeda triandra* tussock grassland

Veg Condition: Very Good

Fire Age: >10 years



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	50	0.8
<i>Eucalyptus xerothermica</i>	3	4
<i>Acacia aptaneura</i>	1	4
* <i>Bidens bipinnata</i>	0.1	0.2
<i>Bothriochloa</i> sp.	0.1	0.9
<i>Chrysopogon fallax</i>	0.1	1.1
* <i>Malvastrum americanum</i>	0.1	0.2

* denotes weed species

Site: 8RKM002

Type: Mapping Note

Date: 21/06/2020

Described by: KMc / CM / PJ / BL

MGA zone: 50K

Easting: 731854 **Northing:** 7441646

Vegetation: *Eragrostis* sp. and *Astrebla* sp. open tussock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Eragrostis</i> sp.	15	0.2
<i>Aristida latifolia</i>	0.5	0.8
<i>Rhynchosia minima</i>	0.1	0.5
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>	0.1	0.6

Site: 8RKM003

Type: Mapping Note

Date: 21/06/2020

Described by: KMc / CM / PJ / BL

MGA zone: 50K

Easting: 732617 **Northing:** 7441041

Vegetation: *Eucalyptus xerothematica* scattered low trees with *E. socialis* subsp. *eucentrica* scattered low mallees over *Ptilotus obovatus* scattered shrubs over *Themeda triandra* open tussock grassland

Veg Condition: Very Good



Species List:

Name	Cover (%)	Height (m)
<i>Themeda triandra</i>	20	0.9
<i>Acacia aptaneura</i>	1	4
<i>Eucalyptus xerothematica</i>	1	5
<i>Androcalva luteiflora</i>	0.5	1.5
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	0.5	3
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5	0.8

Site: 9RK002a

Type: Mapping Note

Date: 20/07/2020

Described by: KMc / AF / CM / PL

MGA zone: 50K

Easting: 723482 **Northing:** 7437057

Habitat: Minor drainage

Soil: reddish brown clay loam

Vegetation: *Acacia aptaneura* tall shrubland over *Aristida obscura*, *Chrysopogon fallax* and *Astrebla elymoides*
very open tussock grassland

Veg Condition: Excellent

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Acacia aptaneura</i>	12	7
<i>Aristida obscura</i>	5	0.3
<i>Chrysopogon fallax</i>	2	0.9
<i>Astrebla elymoides</i>	1	0.5
<i>Eucalyptus xerothermica</i>	0.5	5
<i>Sporobolus australasicus</i>	0.1	0.2

Site: 9RP005

Type: Mapping Note

Date: 18/07/2020

Described by: KMc / AF / CM / PL

MGA zone: 50K

Easting: 739001 **Northing:** 7436019

Habitat: Clay plain

Soil: dark reddish brown clay loam

Rock type: Ironstone

Vegetation: As per RQ276: *Eucalyptus victrix* open woodland over *Acacia aptaneura* scattered tall shrubs over *Duma florulenta*, *Rhagodia eremaea* and *Ptilotus obovatus* var. *obovatus* low shrubland over *Eulalia aurea*, *Setaria dielsii* and *Enneapogon polyphyllus* very open tussock grassland

Veg Condition: Very Good

Fire Age: Very long unburnt



Species List:

Name	Cover (%)	Height (m)
<i>Duma florulenta</i>	7	1
<i>Eucalyptus victrix</i>	7	11
<i>Eulalia aurea</i>	2	0.7
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	2	0.8
<i>Acacia aptaneura</i>	1	4
<i>Ptilotus xerophilus</i>	1	0.7
<i>Enneapogon polyphyllus</i>	0.5	0.3
<i>Rhagodia eremaea</i>	0.5	0.8
<i>Setaria dielsii</i>	0.5	0.9

Site: 9RP012

Type: Mapping Note

Date: 22/07/2020

Described by: KMc / AF / CM / PL

MGA zone: 50K

Easting: 750102 **Northing:** 7444487

Habitat: Minor drainage

Vegetation: *Corymbia hamersleyana* low open woodland over *Acacia tumida* var. *pilbarensis*, *Petalostylis labicheoides* and *Androcalva luteiflora* tall open shrubland over *Triodia pungens* very open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years

Species List:

Name	Cover (%)	Height (m)
<i>Acacia tumida</i> var. <i>pilbarensis</i>	7	4
<i>Corymbia hamersleyana</i>	6	9
<i>Triodia pungens</i>	4	0.5
<i>Petalostylis labicheoides</i>	1	4
<i>Androcalva luteiflora</i>	0.5	1.6
<i>Acacia maitlandii</i>	0.1	1.9
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>	0.1	1.8
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>	0.1	3
<i>Themeda triandra</i>	0.1	0.8

Site: 9RP013

Type: Mapping Note

Date: 22/07/2020

Described by: KMc / AF / CM / PL

MGA zone: 50K

Easting: 750038 **Northing:** 7444455

Habitat: Hillslope

Soil: dark reddish brown clay loam

Rock type: Ironstone

Vegetation: *Eucalyptus leucophloia* subsp. *leucophloia* low open woodland over *Acacia bivenosa* scattered tall shrubs over *A. arida* shrubland over *Triodia vanleeuwenii* open hummock grassland

Veg Condition: Excellent

Fire Age: 5-10 years



Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	28	0.4
<i>Acacia arida</i>	15	1.9
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	2	5
<i>Acacia bivenosa</i>	0.5	3
<i>Acacia adoxa</i> var. <i>adoxo</i>	0.1	0.5
<i>Acacia pruinocarpa</i>	0.1	2
<i>Amphipogon sericeus</i>	0.1	0.3

Site: OPPS Type: Point Observation
NA Described by: KMc/BE
MGA zone: 50K Easting: 730646 Northing: 7436392
Veg Condition: Very Good

Species List:

Name	Cover (%)	Height (m)
<i>Triodia vanleeuwenii</i>	35	0.3
<i>Eucalyptus gamophylla</i>	10	6
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>	10	4
<i>Acacia arida</i>	6	1.5
<i>Corymbia candida</i> subsp. <i>dipsodes</i>	5	6
<i>Themeda</i> sp.	4	1.2
<i>Themeda triandra</i>	4	1.2
<i>Eucalyptus trivalva</i>	2	3
<i>Eucalyptus xerothermica</i>	2	3
<i>Rhagodia eremaea</i>	2	0.6
<i>Acacia macraneura</i>	1	7
<i>Astrebla elymoides</i>	1	0.6
* <i>Bidens bipinnata</i>	1	0
<i>Corymbia candida</i>	1	8
<i>Corymbia ferritcola</i>	1	3
<i>Eriachne benthamii</i>	1	1
<i>Seringia exastia</i>	1	0.8
<i>Triodia</i> sp. Mt Ella (M.E. Trudgen 12739) P3	1	0.8
<i>Aristida lazaridis</i> P2	0.5	0.8
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>	0.5	0.2
<i>Eremophila lanceolata</i>	0.5	0.2
<i>Eulalia aurea</i>	0.5	0.8
<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)	0.5	0
<i>Ptilotus gomphrenoides</i>	0.5	0.1
<i>Triodia melvillei</i>	0.5	0.4
<i>Eragrostis xerophila</i>	0.25	0.4
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.25	0.2
<i>Abutilon otocarpum</i>	0.1	0.3
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)	0.1	0.6
<i>Acacia hamersleyensis</i>	0.1	2.5
<i>Acacia subtiliformis</i> P3	0.1	2.5
<i>Androcalva loxophylla</i>	0.1	0.4
<i>Aristida inaequiglumis</i>	0.1	1.3
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	0.3
<i>Aristida obscura</i>	0.1	0.1
<i>Astrotricha hamptonii</i>	0.1	0.5
<i>Brunonia australis</i>	0.1	0.2
<i>Calandrinia Ptychosperma</i>	0.1	0.1
<i>Calandrinia pumila</i>	0.1	0.01
<i>Calytrix carinata</i>	0.1	1.1
* <i>Cenchrus ciliaris</i>	0.1	0.4

Name	Cover (%)	Height (m)
<i>Cheilanthes brownii</i>	0.1	0.1
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>	0.1	0.1
* <i>Chloris virgata</i>	0.1	1
<i>Chrysocephalum gilesii</i>	0.1	0.15
<i>Chrysocephalum pterochaetum</i>	0.1	0.4
<i>Convolvulus clementii</i>	0.1	0.1
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1	0.5
<i>Cryptandra monticola</i>	0.1	0.8
<i>Cullen cinereum</i>	0.1	0.2
<i>Cymbopogon ambiguus</i>	0.1	1.7
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.2
<i>Dicrastylis cordifolia</i>	0.1	0.9
<i>Digitaria ammophila</i>	0.1	0.2
<i>Diplopeltis stuartii</i> var. <i>stuartii</i>	0.1	0.2
<i>Duma florulenta</i>	0.1	1.2
<i>Eragrostis eriopoda</i>	0.1	0.25
<i>Eragrostis leptocarpa</i>	0.1	0.8
<i>Eragrostis pergracilis</i>	0.1	0.4
<i>Eremophila clarkei</i>	0.1	1.5
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1	1
<i>Eremophila galeata</i>	0.1	1.3
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>	0.1	1.3
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1	0.8
<i>Eremophila longifolia</i>	0.1	1
<i>Eriachne flaccida</i>	0.1	0.2
<i>Eriachne lanata</i>	0.1	0.3
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1
<i>Euphorbia boophthona</i>	0.1	0.1
<i>Euphorbia drummondii</i>	0.1	0.1
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>	0.1	0.02
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.01
* <i>Flaveria trinervia</i>	0.1	0.5
<i>Goodenia microptera</i>	0.1	0.2
<i>Goodenia nuda</i> P4	0.1	0.2
<i>Goodenia pascua</i>	0.1	0.05
<i>Goodenia prostrata</i>	0.1	0.3
<i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) P3	0.1	0.1
<i>Goodenia stobbsiana</i>	0.1	0.2
<i>Goodenia triodiophila</i>	0.1	0.4
<i>Goodenia vilmoriniae</i>	0.1	0.3
<i>Grevillea berryana</i>	0.1	4
<i>Grevillea wickhamii</i> subsp. <i>aprica</i>	0.1	3.5
<i>Heliotropium cunninghamii</i>	0.1	0.3
<i>Hibiscus coatesii</i>	0.1	0.8
<i>Hibiscus</i> sp. Gurinbidy Range (M.E. Trudgen MET 15708) P2	0.1	2
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1	0.4
<i>Indigofera gilesii</i> P3	0.1	1.3

Name	Cover (%)	Height (m)
<i>Isotropis iophyta</i>	0.1	1
<i>Isotropis parviflora</i> P2	0.1	0.1
<i>Lamarchea sulcata</i>	0.1	1.2
<i>Lepidium echinatum</i>	0.1	0.02
<i>Lepidium pedicellosum</i>	0.1	0.5
* <i>Malvastrum americanum</i>	0.1	0.3
<i>Mimulus gracilis</i>	0.1	0.1
<i>Mirbelia viminalis</i>	0.1	0.7
<i>Nicotiana benthamiana</i>	0.1	0.2
<i>Nicotiana rosulata</i>	0.1	0.2
<i>Olearia stuartii</i>	0.1	0.7
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2	0.1	0.1
<i>Peripleura arida</i>	0.1	0.1
<i>Pluchea dentex</i>	0.1	0.4
<i>Portulaca filifolia</i>	0.1	0.2
<i>Psyrax suaveolens</i>	0.1	1
<i>Pterocaulon sphacelatum</i>	0.1	0.15
<i>Ptilotus fusiformis</i>	0.1	0.4
<i>Ptilotus gaudichaudii</i>	0.1	0.1
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.5
<i>Ptilotus xerophilus</i>	0.1	0.1
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.7
<i>Rhodanthe charsleyae</i>	0.1	0.4
<i>Rhodanthe propinqua</i>	0.1	0.05
<i>Roebuckiella similis</i>	0.1	0.15
<i>Scaevola amblyanthera</i> var. <i>centralis</i>	0.1	0
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>	0.1	0.2
<i>Sclerolaena cornishiana</i>	0.1	0.15
<i>Sclerolaena diacantha</i>	0.1	0.2
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1	1.7
<i>Senna stricta</i>	0.1	2
<i>Senna venusta</i>	0.1	0.1
<i>Setaria dielsii</i>	0.1	0.3
* <i>Setaria verticillata</i>	0.1	0
<i>Sida echinocarpa</i>	0.1	0.4
<i>Sida ectogama</i>	0.1	0.9
<i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605)	0.1	1.4
<i>Sida</i> sp. Excedentifolia (J.L. Egan 1925)	0.1	0.25
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)	0.1	0.1
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)	0.1	0.4
<i>Solanum ferocissimum</i>	0.1	0.3
<i>Solanum horridum</i>	0.1	0.6
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)	0.1	0.5
<i>Stenopetalum nutans</i>	0.1	0.1
<i>Tephrosia densa</i>	0.1	0.3
<i>Teucrium teucriiflorum</i>	0.1	1.1
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	0.1	1.2

Name	Cover (%)	Height (m)
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)	0.1	0.3
<i>Trianthera glossostigmum</i>	0.1	0.1
<i>Triodia pungens</i>	0.1	0
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	0.1	0.1
<i>Vittadinia eremaea</i>	0.1	0.1
<i>Xerochrysum interiore</i>	0.1	0.3

* denotes weed species

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Appendix K: Significant Vegetation Unit Mapping

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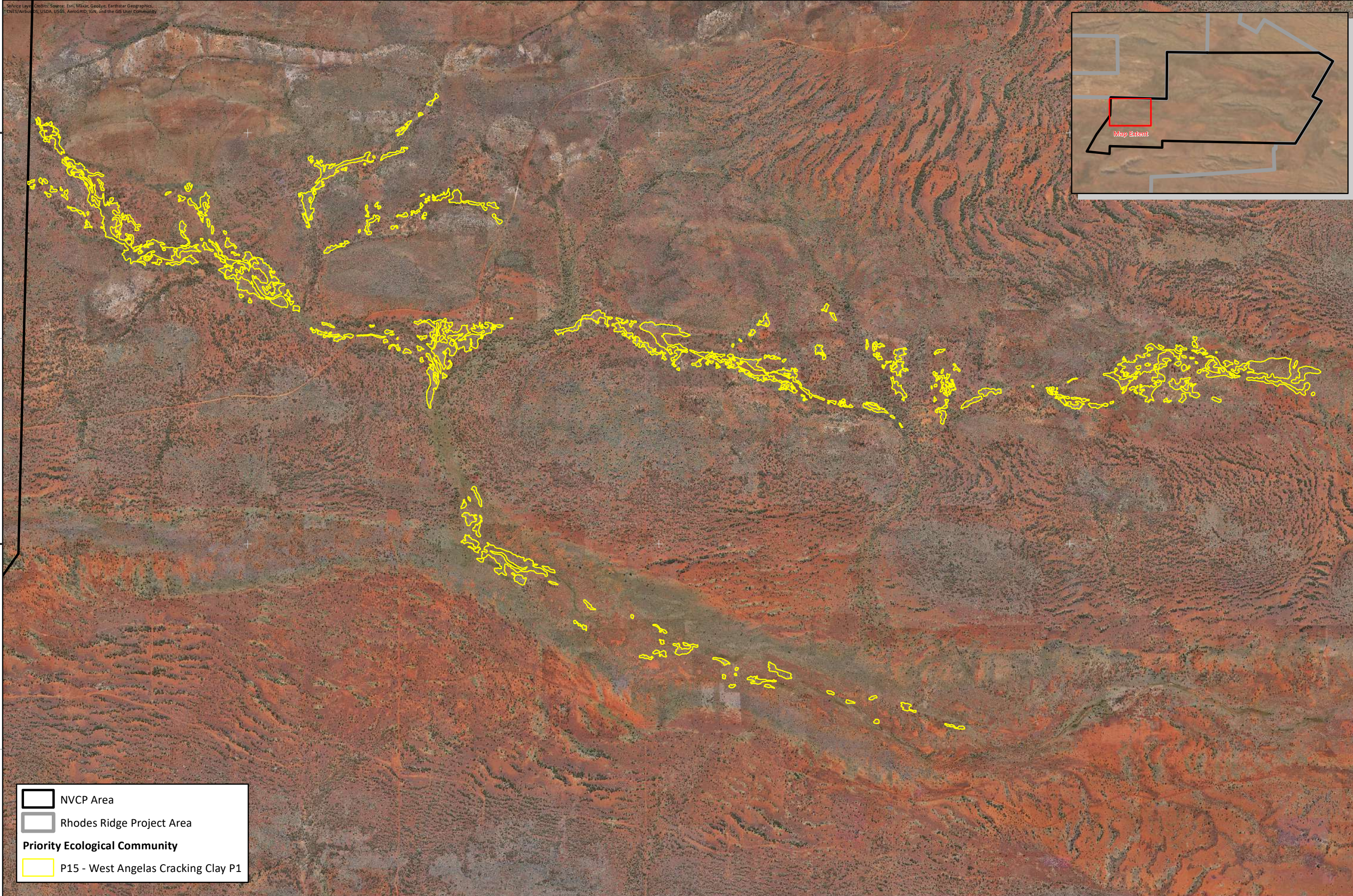
722000

724000

726000

7438000

7436000



	NVCP Area
	Rhodes Ridge Project Area
Priority Ecological Community	
	P15 - West Angelas Cracking Clay P1

Rio Tinto
Rhodes Ridge NVCP, Flora

Figure K.1.A: Potential Significant Vegetation Unit Mapping

Author: L. Dadour

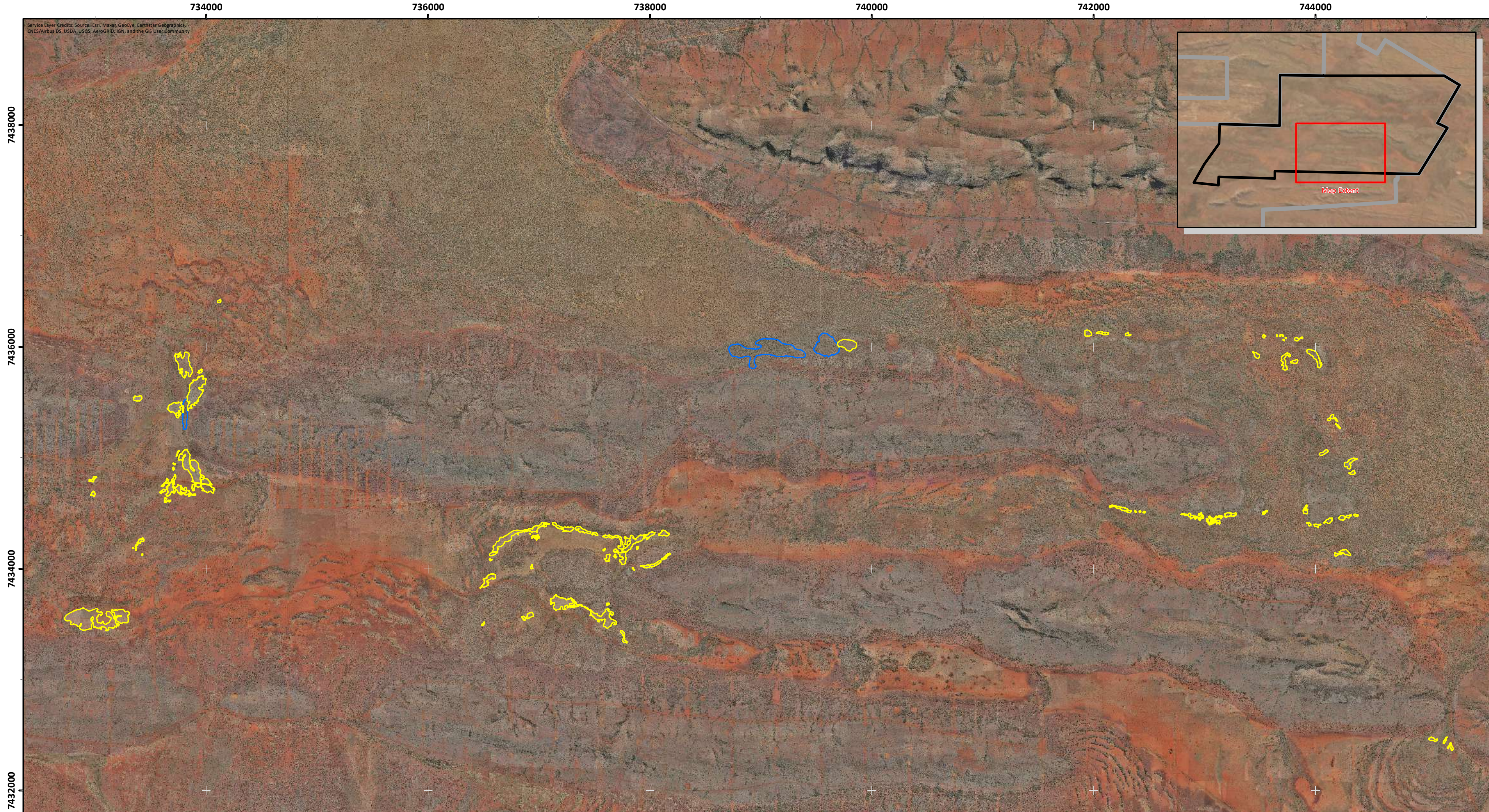
Drawn: C. Dyde

Scale: 1:17,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_FigK1A_PEC



- NVCP Area
- Rhodes Ridge Project Area
- Priority Ecological Community**
- D12 - Coolibah Lignum Flats P3
- P15 - West Angelas Cracking Clay P1

Rio Tinto
Rhodes Ridge NVCP, Flora

Figure K.1.B: Potential Significant Vegetation Unit Mapping

Author: L. Dadour

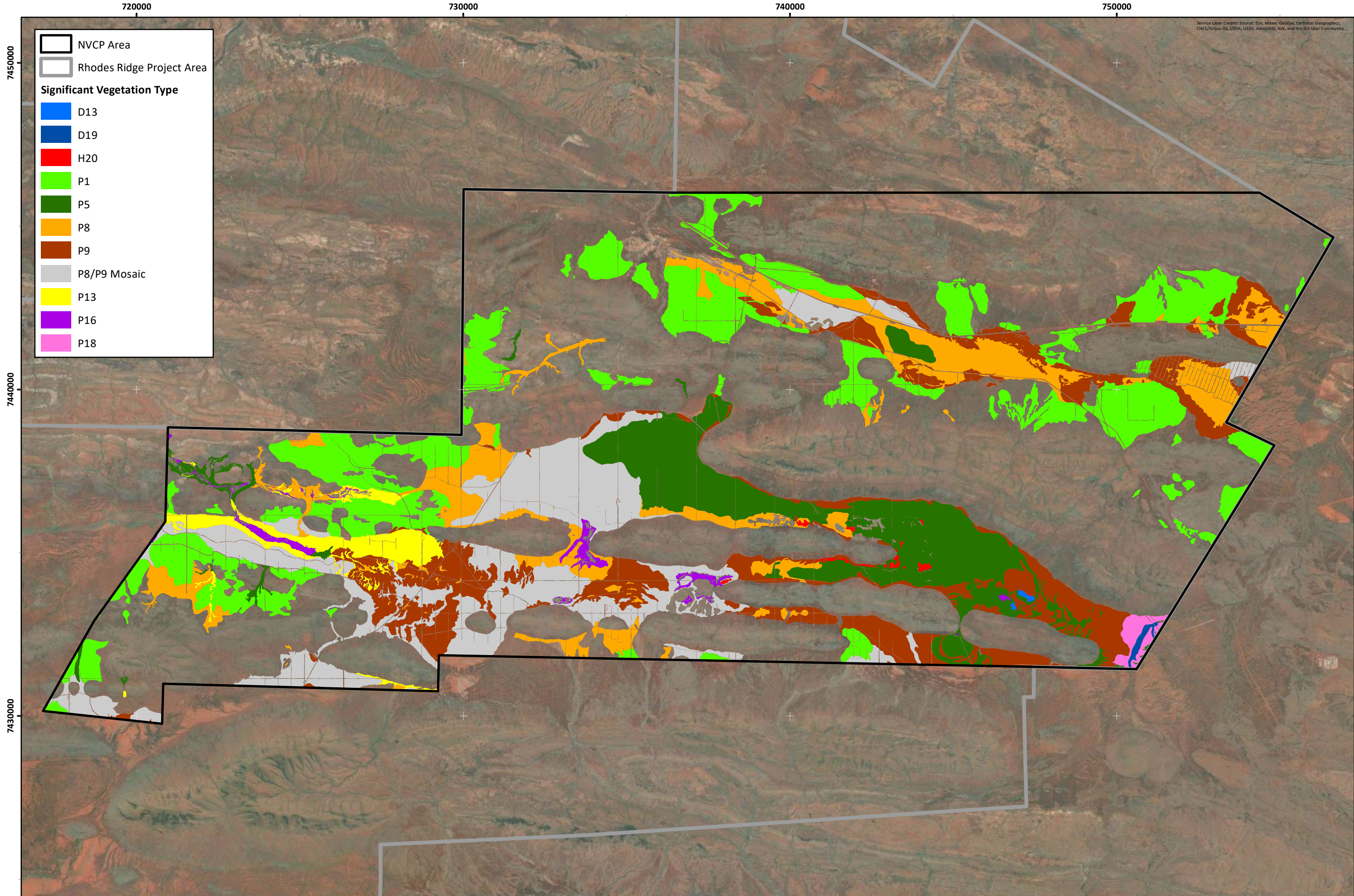
Drawn: C. Dyde

Scale: 1:34,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_FigK1B_PEC



Rio Tinto
 Rhodes Ridge NVCP, Flora

Figure K.2: Other regionally significant vegetation types

Author: L. Dadour

Drawn: C. Dyde

Date: 18-03-2022

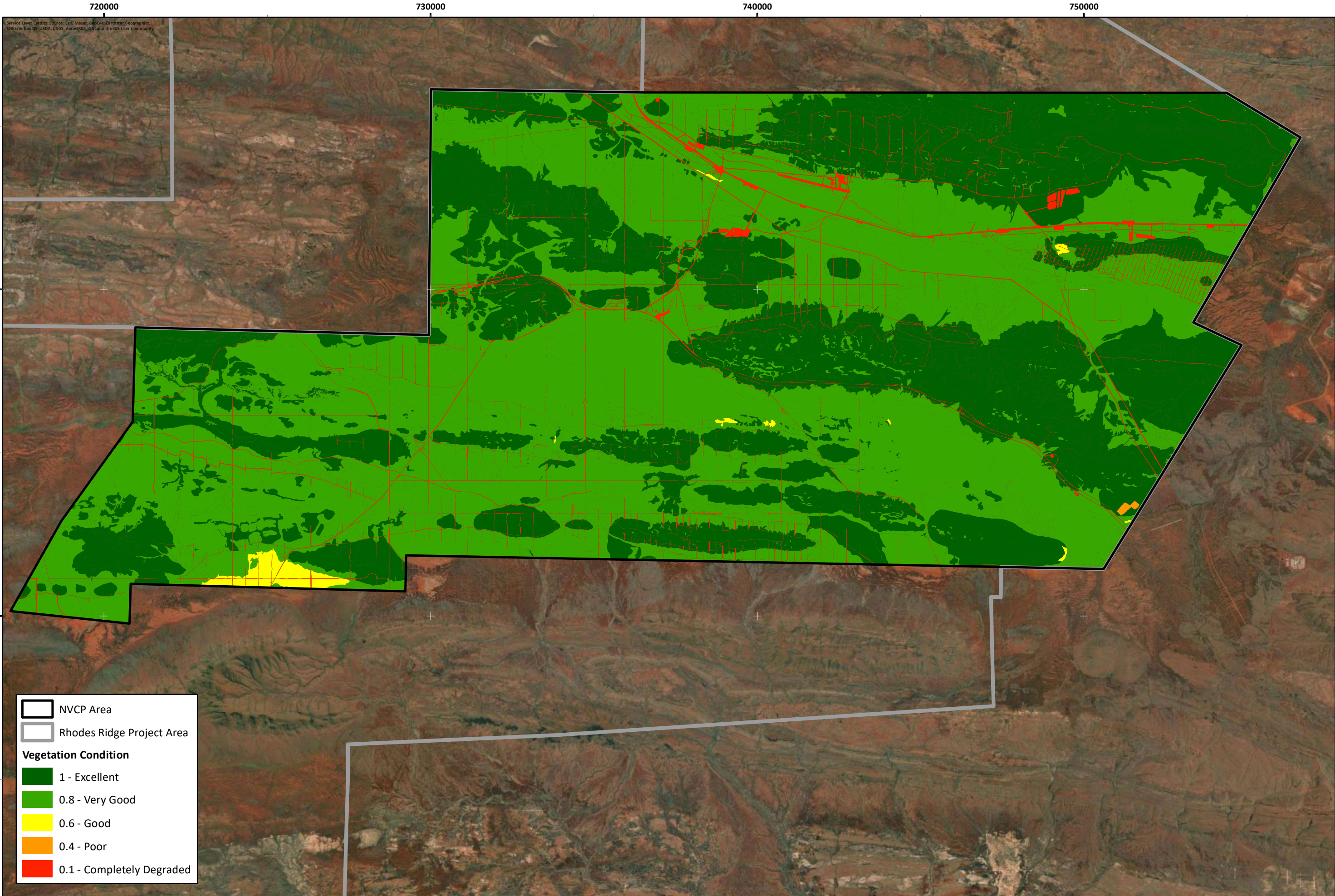
Figure Ref: 14200-001-21-BIDR-1RevB_220318_Flora_FigK2_SigVeg



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Appendix L: Vegetation Condition Mapping

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NVCP Area
 Rhodes Ridge Project Area
Vegetation Condition
 1 - Excellent
 0.8 - Very Good
 0.6 - Good
 0.4 - Poor
 0.1 - Completely Degraded

Rio Tinto
Rhodes Ridge NVCP, Flora

Figure L: Vegetation Condition Mapping

Author: L. Dadour

Drawn: C. Dyde

Scale: 1:105,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_VegCond_FigL

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Appendix M: Vascular Flora Species List and Site by Species Matrix

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Table M.1: Vascular flora species list for the survey area.

Family	Species name	Conservation status	Weed
Acanthaceae	<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>		
Aizoaceae	<i>Trianthema glossostigmum</i>		
	<i>Trianthema triquetrum</i>		
Amaranthaceae	<i>Alternanthera angustifolia</i>		
	<i>Alternanthera denticulata</i>		
	<i>Alternanthera nana</i>		
	<i>Amaranthus cuspidifolius</i>		
	<i>Amaranthus undulatus</i>		
	<i>Gomphrena canescens</i> subsp. <i>canescens</i>		
	<i>Gomphrena cunninghamii</i>		
	<i>Gomphrena kanisii</i>		
	<i>Gomphrena lanata</i>		
	<i>Ptilotus aervoides</i>		
	<i>Ptilotus astrolasius</i>		
	<i>Ptilotus auriculifolius</i>		
	<i>Ptilotus calostachyus</i>		
	<i>Ptilotus carinatus</i>		
	<i>Ptilotus ?carinatus</i>		
	<i>Ptilotus clementii</i>		
	<i>Ptilotus exaltatus</i>		
	<i>Ptilotus fusiformis</i>		
	<i>Ptilotus gaudichaudii</i>		
	<i>Ptilotus gomphrenoides</i>		
	<i>Ptilotus helipteroides</i>		
	<i>Ptilotus incanus</i>		
	<i>Ptilotus obovatus</i> var. <i>obovatus</i>		
<i>Ptilotus polystachyus</i>			
<i>Ptilotus roei</i>			
<i>Ptilotus rotundifolius</i>			
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>			
<i>Ptilotus</i> sp.			
<i>Ptilotus xerophilus</i>			
Apocynaceae	<i>Cynanchum floribundum</i>		
	<i>Cynanchum pedunculatum</i>		
	<i>Cynanchum viminale</i> subsp. <i>australe</i>		

Family	Species name	Conservation status	Weed	
Apocynaceae	<i>Leichhardtia australis</i>			
	<i>Vincetoxicum lineare</i>			
Araliaceae	<i>Astrotricha hamptonii</i>			
	<i>Trachymene oleracea</i> subsp. <i>oleracea</i>			
Asphodelaceae	<i>Bulbine pendula</i>			
Asteraceae	Asteraceae sp.			
	* <i>Bidens bipinnata</i>		*	
	<i>Blumea tenella</i>			
	<i>Calocephalus pilbarensis</i>			
	<i>Calotis latiuscula</i>			
	<i>Calotis plumulifera</i>			
	<i>Centipeda minima</i>			
	<i>Centipeda minima</i> subsp. <i>macrocephala</i>			
	<i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>			
	<i>Chrysocephalum gilesii</i>			
	<i>Chrysocephalum pterochaetum</i>			
	* <i>Flaveria trinervia</i>		*	
	<i>Minuria integerrima</i>			
	<i>Olearia stuartii</i>			
	<i>Peripleura arida</i>			
	<i>Peripleura virgata</i>			
	<i>Pluchea dentex</i>			
	<i>Pterocaulon serrulatum</i>			
	<i>Pterocaulon</i> sp.			
	<i>Pterocaulon sphacelatum</i>			
	<i>Pterocaulon sphaeranthoides</i>			
	<i>Rhodanthe charsleyae</i>			
	<i>Rhodanthe margarethae</i>			
	<i>Rhodanthe propinqua</i>			
	<i>Roebuckiella similis</i>			
	<i>Rutidosia helichrysoides</i> subsp. <i>helichrysoides</i>			
	<i>Streptoglossa adscendens</i>			
	<i>Streptoglossa bubakii</i>			
	<i>Streptoglossa decurrens</i>			
	<i>Streptoglossa</i> sp.			
	<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3		P3	

Family	Species name	Conservation status	Weed
Asteraceae	<i>Vittadinia dissecta</i> var. <i>hirta</i>		
	<i>Vittadinia eremaea</i>		
	<i>Xerochrysum interiore</i>		
Boraginaceae	<i>Heliotropium chrysocarpum</i>		
	<i>Heliotropium conocarpum</i>		
	<i>Heliotropium cunninghamii</i>		
	<i>Heliotropium heteranthum</i>		
	<i>Heliotropium inexplicitum</i>		
	<i>Heliotropium pachyphyllum</i>		
	<i>Heliotropium skeleton</i>		
	<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		
Brassicaceae	<i>Lepidium echinatum</i>		
	<i>Lepidium pedicellosum</i>		
	<i>Lepidium</i> sp.		
	<i>Stenopetalum nutans</i>		
Campanulaceae	<i>Wahlenbergia</i> sp.		
	<i>Wahlenbergia tumidifruca</i>		
Capparaceae	<i>Capparis lasiantha</i>		
	<i>Capparis spinosa</i> subsp. <i>nummularia</i>		
Caryophyllaceae	<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>		
	<i>Polycarpaea holtzei</i>		
	<i>Polycarpaea longiflora</i>		
Celastraceae	<i>Stackhousia</i> ? <i>intermedia</i>		
	<i>Stackhousia muricata</i> subsp. <i>annual</i> (W.R. Barker 2172)		
	<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)		
	<i>Stackhousia</i> ?sp. swollen gynophore (W.R. Barker 2041)		
Chenopodiaceae	<i>Atriplex</i> ? <i>bunburyana</i>		
	<i>Atriplex codonocarpa</i>		
	<i>Dysphania glomulifera</i> subsp. <i>eremaea</i>		
	<i>Dysphania kalpari</i>		
	<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>		
	<i>Dysphania melanocarpa</i> forma <i>melanocarpa</i>		
	<i>Dysphania rhadinostachya</i>		
	<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>		
	<i>Dysphania</i> sp.		
<i>Enchylaena</i> sp.			

Family	Species name	Conservation status	Weed
Chenopodiaceae	<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>		
	<i>Enchylaena tomentosa</i> x <i>Maireana georgei</i>		
	<i>Maireana carnos</i>		
	<i>Maireana georgei</i>		
	<i>Maireana melanocoma</i>		
	<i>Maireana planifolia</i>		
	<i>Maireana planifolia</i> x <i>villosa</i>		
	<i>Maireana</i> sp.		
	<i>Maireana thesioides</i>		
	<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>		
	<i>Maireana trichoptera</i>		
	<i>Maireana triptera</i>		
	<i>Maireana villosa</i>		
	<i>Maireana ?villosa</i>		
	<i>Rhagodia eremaea</i>		
	<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	P3	
	<i>Salsola australis</i>		
	<i>Sclerolaena</i> aff. <i>diacantha</i>		
	<i>Sclerolaena cornishiana</i>		
	<i>Sclerolaena cuneata</i>		
<i>Sclerolaena densiflora</i>			
<i>Sclerolaena diacantha</i>			
<i>Sclerolaena tetragona</i>			
Cleomaceae	<i>Areocleome oxalidea</i>		
	<i>Arivela viscosa</i>		
Commelinaceae	<i>Commelina ensifolia</i>		
Convolvulaceae	<i>Bonamia erecta</i>		
	<i>Bonamia pilbarensis</i>		
	<i>Convolvulaceae</i> sp.		
	<i>Convolvulus clementii</i>		
	<i>Convolvulus remotus</i>		
	<i>Duperreya commixta</i>		
	<i>Evolvulus alsinoides</i> var. <i>decumbens</i>		
	<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		
	<i>Ipomoea lonchophylla</i>		
	<i>Ipomoea muelleri</i>		
	<i>Ipomoea polymorpha</i>		

Family	Species name	Conservation status	Weed
Convolvulaceae	<i>Ipomoea racemigera</i> P2	P2	
	<i>Ipomoea</i> sp.		
	<i>Operculina aequisejala</i>		
	<i>Polymeria ambigua</i>		
	<i>Polymeria longifolia</i>		
Cucurbitaceae	<i>Austrobryonia pilbarensis</i>		
	<i>Cucumis melo</i>		
	<i>Cucumis variabilis</i>		
Cyperaceae	<i>Bulbostylis barbata</i>		
	<i>Bulbostylis turbinata</i>		
	<i>Cyperus bulbosus</i>		
	<i>Cyperus iria</i>		
	<i>Cyperus pulchellus</i>		
	<i>Cyperus squarrosus</i>		
	<i>Fimbristylis depauperata</i>		
	<i>Fimbristylis dichotoma</i>		
	<i>Fimbristylis microcarya</i>		
	<i>Fimbristylis simulans</i>		
	<i>Fimbristylis</i> sp.		
	<i>Isolepis</i> sp.		
	<i>Schoenoplectiella dissachantha</i>		
<i>Schoenoplectiella laevis</i>			
Elatinaceae	<i>Bergia pedicellaris</i>		
	<i>Bergia ?pedicellaris</i>		
Euphorbiaceae	<i>Adriana tomentosa</i>		
	<i>Euphorbia</i> aff. <i>ferdinandi</i>		
	<i>Euphorbia australis</i>		
	<i>Euphorbia australis</i> var. <i>glabra</i> P3	P3	
	<i>Euphorbia australis</i> var. <i>hispidula</i>		
	<i>Euphorbia australis</i> var. <i>subtomentosa</i>		
	<i>Euphorbia biconvexa</i>		
	<i>Euphorbia biconvexa/coghlanii/trigonosperma</i> (sterile indet.)		
	<i>Euphorbia boophthona</i>		
	<i>Euphorbia boophthona/tannensis</i>		
	<i>Euphorbia coghlanii</i>		
	<i>Euphorbia drummondii</i>		

Family	Species name	Conservation status	Weed
Euphorbiaceae	<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>		
	<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	P2	
	<i>Euphorbia</i> sp.		
	<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>		
	<i>Euphorbia trigonosperma</i>		
	<i>Euphorbia vaccaria</i> var. <i>vaccaria</i>		
Fabaceae	<i>Acacia adoxa</i> var. <i>adoxo</i>		
	<i>Acacia adsurgens</i>		
	<i>Acacia ?adsurgens</i>		
	<i>Acacia ancistrocarpa</i>		
	<i>Acacia aneura</i>		
	<i>Acacia aptaneura</i>		
	<i>Acacia arida</i>		
	<i>Acacia atkinsiana</i>		
	<i>Acacia ayersiana</i>		
	<i>Acacia bivenosa</i>		
	<i>Acacia catenulata</i> subsp. <i>occidentalis</i>		
	<i>Acacia citrinoviridis</i>		
	<i>Acacia colei</i> var. <i>colei</i>		
	<i>Acacia cowleana</i>		
	<i>Acacia dictyophleba</i>		
	<i>Acacia elachantha</i>		
	<i>Acacia hamersleyensis</i>		
	<i>Acacia hilliana</i>		
	<i>Acacia inaequilatera</i>		
	<i>Acacia incurvaneura</i>		
	<i>Acacia kempeana</i>		
	<i>Acacia macraneura</i>		
	<i>Acacia maitlandii</i>		
	<i>Acacia marramamba</i>		
	<i>Acacia monticola</i>		
	<i>Acacia mulganeura</i>		
<i>Acacia orthocarpa</i>			
<i>Acacia pachyacra</i>			
<i>Acacia pruinocarpa</i>			
<i>Acacia pteraneura</i>			
<i>Acacia pyrifolia</i>			

Family	Species name	Conservation status	Weed
Fabaceae	<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>		
	<i>Acacia rhodophloia</i>		
	<i>Acacia rhodophloia</i> x <i>adsurgens</i>		
	<i>Acacia rhodophloia</i> x <i>sibirica</i>		
	<i>Acacia rhodophloia</i> x ? <i>sibirica</i>		
	<i>Acacia sibirica</i>		
	<i>Acacia spondylophylla</i>		
	<i>Acacia subtiliformis</i> P3	P3	
	<i>Acacia synchronicia</i>		
	<i>Acacia tenuissima</i>		
	<i>Acacia tetragonophylla</i>		
	<i>Acacia trudgeniana</i>		
	<i>Acacia tumida</i> var. <i>pilbarensis</i>		
	<i>Crotalaria medicaginea</i> var. <i>neglecta</i>		
	<i>Cullen cinereum</i>		
	<i>Cullen graveolens</i>		
	<i>Cullen pogonocarpum</i>		
	<i>Gastrolobium grandiflorum</i>		
	<i>Glycine canescens</i>		
	<i>Glycine falcata</i> P3	P3	
	<i>Gompholobium oreophilum</i>		
	<i>Grona filiformis</i>		
	<i>Grona muelleri</i>		
	<i>Indigastrum parviflorum</i>		
	<i>Indigofera georgei</i>		
	<i>Indigofera gilesii</i> P3	P3	
	<i>Indigofera linifolia</i>		
	<i>Indigofera linnaei</i>		
	<i>Indigofera monophylla</i>		
	<i>Indigofera rugosa</i>		
	<i>Isotropis atropurpurea</i>		
	<i>Isotropis iophyta</i>		
	<i>Isotropis parviflora</i> P2	P2	
<i>Lotus cruentus</i>			
<i>Mirbelia viminalis</i>			
<i>Neptunia dimorphantha</i>			
<i>Petalostylis labicheoides</i>			

Family	Species name	Conservation status	Weed
Fabaceae	<i>Rhynchosia minima</i>		
	<i>Senna artemisioides</i> subsp. <i>filifolia</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> x <i>helmsii</i>		
	<i>Senna artemisioides</i> subsp. <i>petiolaris</i>		
	<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>		
	<i>Senna artemisioides</i> subsp. x <i>sturtii</i>		
	<i>Senna artemisioides</i> subsp. x <i>sturtii</i> s. lat.		
	<i>Senna ferraria</i>		
	<i>Senna glaucifolia</i>		
	<i>Senna glutinosa</i> subsp. <i>glutinosa</i>		
	<i>Senna glutinosa</i> subsp. <i>pruinosa</i>		
	<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>		
	<i>Senna hamersleyensis</i>		
	<i>Senna notabilis</i>		
	<i>Senna pleurocarpa</i> var. <i>angustifolia</i>		
	<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>		
	<i>Senna sericea</i>		
	<i>Senna</i> sp.		
	<i>Senna stricta</i>		
	<i>Senna stricta</i> x <i>glutinosa</i>		
	<i>Senna venusta</i>		
	<i>Swainsona canescens</i>		
	<i>Swainsona decurrens</i>		
	<i>Swainsona formosa</i>		
	<i>Swainsona kingii</i>		
	<i>Swainsona thompsoniana</i> P3	P3	
	<i>Templetonia egena</i>		
	<i>Tephrosia densa</i>		
	<i>Tephrosia oxalidea</i>		
	<i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186)		
	<i>Tephrosia</i> sp.		
<i>Tephrosia</i> sp. clay soils (S. van Leeuwen et al. PBS 0273)			
<i>Tephrosia supina</i>			
<i>Trigonella suavissima</i>			

Family	Species name	Conservation status	Weed
Fabaceae	<i>*Vachellia farnesiana</i>		*
	<i>Vigna lanceolata</i> var. <i>lanceolata</i>		
	<i>Vigna</i> sp.		
	<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)		
Goodeniaceae	<i>Brunonia australis</i>		
	<i>Dampiera candidans</i>		
	<i>Goodenia connata</i>		
	<i>Goodenia cusackiana</i>		
	<i>Goodenia lamprosperma</i>		
	<i>Goodenia microptera</i>		
	<i>Goodenia muelleriana</i>		
	<i>Goodenia ?nuda</i>		
	<i>Goodenia nuda</i> P4	P4	
	<i>Goodenia pascua</i>		
	<i>Goodenia prostrata</i>		
	? <i>Goodenia</i> sp.		
	<i>Goodenia</i> sp.		
	<i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) P3	P3	
	<i>Goodenia stellata</i>		
	<i>Goodenia stobbsiana</i>		
	<i>Goodenia triodiophila</i>		
	<i>Goodenia vilmoriniae</i>		
	<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>		
	<i>Scaevola amblyanthera</i> var. <i>centralis</i>		
<i>Scaevola browniana</i> subsp. <i>browniana</i>			
<i>Scaevola parvifolia</i>			
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>			
<i>Scaevola spinescens</i>			
Gyrostemonaceae	<i>Codonocarpus cotinifolius</i>		
Haloragaceae	<i>Haloragis gossei</i>		
	<i>Haloragis ?gossei</i>		
	<i>Haloragis gossei</i> var. <i>gossei</i>		
	<i>Haloragis maierae</i>		
	<i>Haloragis odontocarpa</i>		
	<i>Haloragis</i> sp.		
Hemerocallidaceae	<i>Tricoryne</i> sp. Hamersley Range (S. van Leeuwen 915)		
Lamiaceae	<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>		

Family	Species name	Conservation status	Weed
Lamiaceae	<i>Clerodendrum floribundum</i> var. <i>floribundum</i>		
	<i>Clerodendrum tomentosum</i>		
	<i>Dicrastylis cordifolia</i>		
	<i>Prostanthera albiflora</i>		
	<i>Teucrium teucriiflorum</i>		
Lauraceae	<i>Cassytha capillaris</i>		
Loranthaceae	<i>Amyema hilliana</i>		
	<i>Amyema</i> sp.		
Lythraceae	<i>Ammannia multiflora</i>		
Malvaceae	<i>Abutilon amplum</i>		
	<i>Abutilon ?amplum</i>		
	<i>Abutilon cryptopetalum</i>		
	<i>Abutilon cunninghamii</i>		
	<i>Abutilon ?cunninghamii</i>		
	<i>Abutilon fraseri</i> subsp. <i>fraseri</i>		
	<i>Abutilon lepidum</i>		
	<i>Abutilon ?lepidum</i>		
	<i>Abutilon macrum</i>		
	<i>Abutilon malvifolium</i>		
	<i>Abutilon otocarpum</i>		
	<i>Abutilon</i> sp.		
	<i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618)		
	<i>Androcalva loxophylla</i>		
	<i>Androcalva luteiflora</i>		
	<i>Brachychiton acuminatus</i>		
	<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>		
	<i>Corchorus parviflorus</i>		
	<i>Corchorus sidoides</i>		
	<i>Corchorus</i> sp.		
	<i>Corchorus tridens</i>		
	<i>Gossypium australe</i>		
	<i>Gossypium robinsonii</i>		
	<i>Gossypium sturtianum</i> var. <i>sturtianum</i>		
	<i>Hibiscus brachysiphonius</i>		
	<i>Hibiscus burtonii</i>		
	<i>Hibiscus coatesii</i>		
<i>Hibiscus ?coatesii</i>			

Family	Species name	Conservation status	Weed
Malvaceae	<i>Hibiscus leptocladus</i>		
	<i>Hibiscus</i> sp.		
	<i>Hibiscus</i> sp. Gurinbidy Range (M.E. Trudgen MET 15708) P2	P2	
	<i>Hibiscus sturtii</i>		
	<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>		
	<i>Hibiscus sturtii</i> var. <i>platyklamys</i>		
	<i>Hibiscus sturtii</i> var. <i>truncatus</i>		
	<i>Hibiscus verdcourtii</i>		
	<i>Malvaceae</i> sp.		
	* <i>Malvastrum americanum</i>		*
	<i>Melhania oblongifolia</i>		
	<i>Seringia exastia</i> T	T	
	<i>Seringia nephrosperma</i>		
	<i>Seringia</i> sp.		
	<i>Sida arenicola</i>		
	<i>Sida</i> ? <i>arenicola</i>		
	<i>Sida arsinata</i>		
	<i>Sida calyxhymenia</i>		
	<i>Sida cardiophylla</i>		
	<i>Sida</i> ? <i>clementii</i>		
	<i>Sida echinocarpa</i>		
	<i>Sida</i> ? <i>echinocarpa</i>		
	<i>Sida ectogama</i>		
	<i>Sida fibulifera</i>		
	<i>Sida</i> ? <i>fibulifera</i>		
	<i>Sida platycalyx</i>		
	<i>Sida rohlena</i> subsp. <i>rohlena</i>		
	<i>Sida</i> sp.		
	<i>Sida</i> sp. Articulation below (A.A. Mitchell PRP 1605)		
	<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)		
	<i>Sida</i> ?sp. dark green fruits (S. van Leeuwen 2260)		
	<i>Sida</i> sp. <i>Excedentifolia</i> (J.L. Egan 1925)		
	<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)		
<i>Sida spinosa</i>			
<i>Sida</i> sp. L (A.M. Ashby 4202)			
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)			

Family	Species name	Conservation status	Weed
Malvaceae	<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)		
	<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)		
	<i>Sida</i> ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)		
	<i>Sida</i> sp. tiny glabrous fruit (A.A. Mitchell PRP1152)		
	<i>Sida trichopoda</i>		
	<i>Triumfetta maconochieana</i>		
	<i>Waltheria indica</i>		
	<i>Waltheria virgata</i>		
Marsileaceae	<i>Marsilea hirsuta</i>		
	<i>Marsilea</i> ? <i>hirsuta</i>		
Montiaceae	<i>Calandrinia Ptychosperma</i>		
	<i>Calandrinia pumila</i>		
	<i>Calandrinia</i> ? <i>pumila</i>		
	<i>Calandrinia reticulata</i>		
	<i>Calandrinia stagnensis</i>		
Moraceae	<i>Ficus brachypoda</i>		
Myrtaceae	<i>Calytrix carinata</i>		
	<i>Corymbia candida</i>		
	<i>Corymbia candida</i> subsp. <i>dipsodes</i>		
	<i>Corymbia deserticola</i> subsp. <i>deserticola</i>		
	<i>Corymbia ferritcola</i>		
	<i>Corymbia</i> ? <i>ferritcola</i>		
	<i>Corymbia hamersleyana</i>		
	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i>		
	<i>Eucalyptus gamophylla</i>		
	<i>Eucalyptus kingsmillii</i>		
	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>		
	<i>Eucalyptus repullulans</i>		
	<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>		
	<i>Eucalyptus trivalva</i>		
	<i>Eucalyptus victrix</i>		
	<i>Eucalyptus xerothermica</i>		
	<i>Lamarchea sulcata</i>		
<i>Melaleuca eleuterostachya</i>			
Nyctaginaceae	<i>Boerhavia burbridgeana</i>		
	<i>Boerhavia coccinea</i>		
	<i>Boerhavia gardneri</i>		

Family	Species name	Conservation status	Weed
Nyctaginaceae	<i>Boerhavia paludosa</i>		
	<i>Boerhavia repleta</i>		
	<i>Boerhavia schomburgkiana</i>		
Oleaceae	<i>Jasminum didymum</i> subsp. <i>lineare</i>		
Ophioglossaceae	<i>Ophioglossum lusitanicum</i>		
Orobanchaceae	<i>Striga squamigera</i>		
Oxalidaceae	<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2	P2	
Pedaliaceae	<i>Josephinia eugeniae</i>		
Phrymaceae	<i>Mimulus gracilis</i>		
	<i>Peplidium maritimum</i>		
	<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)		
	<i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)		
Phyllanthaceae	<i>Notoleptopus decaisnei</i>		
	<i>Notoleptopus decaisnei</i> var. <i>decaisnei</i>		
	<i>Phyllanthus erwinii</i>		
	<i>Phyllanthus maderaspatensis</i>		
	<i>Synostemon rhytidospermus</i>		
Plantaginaceae	<i>Plantago cunninghamii</i>		
	<i>Stemodia grossa</i>		
	<i>Stemodia</i> sp.		
Poaceae	<i>Acrachne racemosa</i>		
	<i>Alloteropsis cimicina</i>		
	<i>Amphipogon sericeus</i>		
	<i>Aristida contorta</i>		
	<i>Aristida</i> ? <i>contorta</i>		
	<i>Aristida holathera</i> var. <i>holathera</i>		
	<i>Aristida inaequiglumis</i>		
	<i>Aristida</i> ? <i>inaequiglumis</i>		
	<i>Aristida ingrata</i>		
	<i>Aristida</i> ? <i>ingrata</i>		
	<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	P3	
	<i>Aristida latifolia</i>		
	<i>Aristida</i> ? <i>latifolia</i>		
	<i>Aristida lazaridis</i> P2	P2	
	<i>Aristida nitidula</i>		
<i>Aristida obscura</i>			

Family	Species name	Conservation status	Weed
Poaceae	<i>Aristida pruinosa</i>		
	<i>Aristida</i> sp.		
	<i>Astrebla elymoides</i>		
	<i>Astrebla</i> ? <i>elymoides</i>		
	<i>Astrebla pectinata</i>		
	<i>Astrebla</i> sp.		
	? <i>Astrebla</i> sp.		
	<i>Bothriochloa ewartiana</i>		
	<i>Bothriochloa</i> sp.		
	* <i>Cenchrus ciliaris</i>		*
	* <i>Cenchrus setiger</i>		*
	<i>Chloris</i> ? <i>barbata</i>		
	* <i>Chloris virgata</i>		*
	<i>Chrysopogon fallax</i>		
	<i>Cymbopogon ambiguus</i>		
	<i>Cymbopogon obtectus</i>		
	<i>Cymbopogon</i> sp.		
	<i>Cynodon convergens</i>		
	<i>Cynodon prostratus</i>		
	<i>Dactyloctenium radulans</i>		
	<i>Dichanthium sericeum</i>		
	<i>Dichanthium sericeum</i> subsp. <i>humilius</i>		
	<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>		
	<i>Digitaria ammophila</i>		
	<i>Digitaria brownii</i>		
	<i>Digitaria ctenantha</i>		
	? <i>Digitaria ctenantha</i>		
	<i>Elytrophorus spicatus</i>		
	<i>Enneapogon avenaceus</i>		
	<i>Enneapogon caeruleus</i>		
	<i>Enneapogon lindleyanus</i>		
	<i>Enneapogon</i> ? <i>lindleyanus</i>		
	<i>Enneapogon polyphyllus</i>		
	<i>Enneapogon robustissimus</i>		
	<i>Enneapogon</i> sp.		
	<i>Enteropogon ramosus</i>		
	<i>Eragrostis cumingii</i>		

Family	Species name	Conservation status	Weed
Poaceae	<i>Eragrostis desertorum</i>		
	<i>Eragrostis dielsii</i>		
	<i>Eragrostis eriopoda</i>		
	<i>Eragrostis leptocarpa</i>		
	<i>Eragrostis pergracilis</i>		
	<i>Eragrostis setifolia</i>		
	<i>Eragrostis setifolia</i> x <i>xerophila</i>		
	<i>Eragrostis</i> sp.		
	<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1	P1	
	<i>Eragrostis tenellula</i>		
	<i>Eragrostis xerophila</i>		
	<i>Eriachne aristidea</i>		
	<i>Eriachne benthamii</i>		
	? <i>Eriachne benthamii</i>		
	<i>Eriachne flaccida</i>		
	<i>Eriachne helmsii</i>		
	<i>Eriachne lanata</i>		
	<i>Eriachne mucronata</i>		
	<i>Eriachne</i> ? <i>mucronata</i>		
	<i>Eriachne obtusa</i>		
	<i>Eriachne pulchella</i>		
	<i>Eriachne pulchella</i> subsp. <i>dominii</i>		
	<i>Eriachne pulchella</i> subsp. <i>pulchella</i>		
	? <i>Eriachne</i> sp.		
	<i>Eriachne tenuiculmis</i>		
	<i>Eulalia aurea</i>		
	<i>Ischaemum albavillosum</i>		
	<i>Iseilema</i> aff. <i>membranaceum</i>		
	<i>Iseilema dolichotrichum</i>		
	<i>Iseilema eremaeum</i>		
	<i>Iseilema membranaceum</i>		
	<i>Iseilema vaginiflorum</i>		
	<i>Monachather paradoxus</i>		
	<i>Panicum decompositum</i>		
	<i>Panicum effusum</i>		
	<i>Panicum laevinode</i>		
<i>Panicum</i> sp.			

Family	Species name	Conservation status	Weed
Poaceae	<i>Paraneurachne muelleri</i>		
	? <i>Paraneurachne muelleri</i>		
	<i>Paspalidium basicladum</i>		
	<i>Paspalidium clementii</i>		
	<i>Paspalidium rarum</i>		
	<i>Perotis rara</i>		
	<i>Poaceae</i> sp.		
	<i>Schizachyrium fragile</i>		
	<i>Setaria dielsii</i>		
	<i>Setaria surgens</i>		
	* <i>Setaria verticillata</i>		*
	<i>Sporobolus australasicus</i>		
	<i>Themeda</i> sp.		
	<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	P3	
	<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)		
	<i>Themeda triandra</i>		
	<i>Themeda</i> ? <i>triandra</i>		
	<i>Themeda triandra</i> /sp. Hamersley Station (M.E. Trudgen 11431)		
	<i>Thyridolepis xerophila</i>		
	<i>Tragus australianus</i>		
	<i>Triodia angusta</i>		
	<i>Triodia brizoides</i>		
	<i>Triodia longiceps</i>		
	<i>Triodia melvillei</i>		
	<i>Triodia pungens</i>		
	<i>Triodia</i> sp. Mt Ella (M.E. Trudgen 12739) P3	P3	
	<i>Triodia vanleeuwenii</i>		
	<i>Triodia wiseana</i>		
	<i>Triodia</i> ? <i>wiseana</i>		
	<i>Tripogonella loliformis</i>		
	<i>Triraphis mollis</i>		
	<i>Urochloa occidentalis</i> var. <i>ciliata</i>		
	<i>Urochloa occidentalis</i> var. <i>occidentalis</i>		
<i>Urochloa piligera</i>			
<i>Yakirra australiensis</i>			
<i>Yakirra australiensis</i> var. <i>australiensis</i>			

Family	Species name	Conservation status	Weed
Polygalaceae	<i>Polygala glaucifolia</i>		
	<i>Polygala ?glaucifolia</i>		
	<i>Polygala</i> sp.		
Polygonaceae	<i>Duma florulenta</i>		
Portulacaceae	<i>Portulaca cyclophylla</i>		
	<i>Portulaca filifolia</i>		
	<i>Portulaca intraterranea/oleracea</i>		
	<i>Portulaca oleracea</i>		
	<i>Portulaca ?oleracea</i>		
Proteaceae	<i>Grevillea berryana</i>		
	<i>Grevillea wickhamii</i> subsp. <i>aprica</i>		
	<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>		
	<i>Hakea chordophylla</i>		
	<i>Hakea lorea</i> subsp. <i>lorea</i>		
Pteridaceae	<i>Cheilanthes brownii</i>		
	<i>Cheilanthes lasiophylla</i>		
	<i>Cheilanthes sieberi</i>		
	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		
Rhamnaceae	<i>Cryptandra monticola</i>		
Rubiaceae	<i>Dolichocarpa crouchiana</i>		
	<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	P3	
	<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1	P1	
	<i>Psydrax latifolia</i>		
	<i>Psydrax rigidula</i>		
	<i>Psydrax suaveolens</i>		
	<i>Spermacoce brachystema</i>		
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>			
Santalaceae	<i>Anthobolus leptomerioides</i>		
	<i>Exocarpos sparteus</i>		
	<i>Santalum lanceolatum</i>		
	<i>Santalum spicatum</i>		
Sapindaceae	<i>Diplopeltis stuartii</i> var. <i>stuartii</i>		
	<i>Dodonaea coriacea</i>		
	<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>		
	<i>Dodonaea pachyneura</i>		
	<i>Dodonaea petiolaris</i>		

Family	Species name	Conservation status	Weed
Sapindaceae	<i>Dodonaea ?petiolaris</i>		
	<i>Dodonaea</i> sp.		
	<i>Dodonaea viscosa</i>		
	<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>		
Scrophulariaceae	<i>Eremophila caespitosa</i>		
	<i>Eremophila clarkei</i>		
	<i>Eremophila exilifolia</i>		
	<i>Eremophila ?forrestii</i>		
	<i>Eremophila forrestii</i> subsp. <i>forrestii</i>		
	<i>Eremophila forrestii</i> ?subsp. <i>forrestii</i>		
	<i>Eremophila fraseri</i> subsp. <i>fraseri</i>		
	<i>Eremophila galeata</i>		
	<i>Eremophila ?jucunda</i>		
	<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>		
	<i>Eremophila lachnocalyx</i>		
	<i>Eremophila lanceolata</i>		
	? <i>Eremophila lanceolata</i>		
	<i>Eremophila latrobei</i>		
	<i>Eremophila latrobei</i> subsp. <i>filiformis</i>		
	<i>Eremophila latrobei</i> subsp. <i>glabra</i>		
	<i>Eremophila latrobei</i> subsp. <i>latrobei</i>		
	<i>Eremophila longifolia</i>		
<i>Eremophila oppositifolia</i> subsp. <i>angustifolia</i>			
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>			
Solanaceae	<i>Nicotiana benthamiana</i>		
	<i>Nicotiana occidentalis</i>		
	<i>Nicotiana ?occidentalis</i>		
	<i>Nicotiana rosulata</i>		
	<i>Nicotiana simulans</i>		
	<i>Nicotiana ?simulans</i>		
	<i>Nicotiana</i> sp.		
	<i>Solanum centrale</i>		
	<i>Solanum cleistogamum</i>		
	<i>Solanum ferocissimum</i>		
	<i>Solanum horridum</i>		
	<i>Solanum lasiophyllum</i>		
	<i>Solanum phlomoides</i>		

Family	Species name	Conservation status	Weed
Solanaceae	<i>Solanum ?phlomoides</i>		
	<i>Solanum</i> sp.		
Surianaceae	<i>Stylobasium spathulatum</i>		
Thymelaeaceae	<i>Pimelea holroydii</i>		
Violaceae	<i>Afrohybanthus aurantiacus</i>		
Zygophyllaceae	<i>Tribulus astrocarpus</i>		
	<i>Tribulus hirsutus</i>		
	<i>Tribulus suberosus</i>		
	* <i>Tribulus terrestris</i>		*
	<i>Tribulus ?terrestris</i>		

Table M.2: Site by species matrix for the survey area.

Taxa	RCC01	RCC02	RCC05	RCC06	RCC07	RCC08	RCC09	RCC10	RQ001	RQ002	RQ003	RQ004	RQ005	RQ006	RQ007	RQ008	RQ009	RQ010	RQ011	RQ012	RQ013	RQ014	RQ015	RQ016	RQ017	RQ018	RQ019	RQ020	RQ021	RQ022	RQ023	RQ024	RQ025	RQ026	RQ027	RQ028	RQ029	RQ030	RQ031	RQ032	RQ033	RQ034	RQ035	RQ036			
<i>Abutilon ?amplum</i>																																															
<i>Abutilon amplum</i>																																															
<i>Abutilon cryptopetalum</i>																		0.1						0.1			0.1																		0.1		
<i>Abutilon ?cunninghamii</i>																												0.1																			
<i>Abutilon cunninghamii</i>																													0.1																		
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>													0.1	0.1		0.1		0.1										0.1						0.1										0.1			
<i>Abutilon ?lepidum</i>													0.1																																		
<i>Abutilon lepidum</i>																																															
<i>Abutilon macrum</i>																								0.1					0.1		0.1	0.1		0.1							0.1						
<i>Abutilon malvifolium</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1																																							
<i>Abutilon otocarpum</i>										0.1			0.1		0.1		0.1	0.1											0.1	0.1			0.1	0.1							0.1		0.1	0.1			
<i>Abutilon</i> sp.																																															
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)																																															
<i>Acacia adoxa</i> var. <i>adoxo</i>											0.1									0.1										0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
<i>Acacia ?adsurgens</i>																																															
<i>Acacia adsurgens</i>																				10		26	5						0.1							0.1						0.1	0.1				
<i>Acacia ancistrocarpa</i>																				0.1																											
<i>Acacia aneura</i>																													1																1		
<i>Acacia aptaneura</i>			0.1	0.1				0.1		3	0.5	25	21	35	15	3	7	0.1	5	3	1	5	30	0.1	0.5	7	2	18	2	0.1	0.1	12.5								20	0.1		0.1	20			
<i>Acacia arida</i>																																															
<i>Acacia atkinsiana</i>																																															
<i>Acacia ayersiana</i>										0.1							0.1																												0.1	0.1	1
<i>Acacia bivenosa</i>											1.5													0.1				0.1		1	0.5	0.1				0.1					0.1	0.1					
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>										8			0.5	2					25	1.5	0.1	1	3	15							0.5	20									15		0.1	9			
<i>Acacia citrinoviridis</i>																																															
<i>Acacia colei</i> var. <i>colei</i>																																															
<i>Acacia cowleana</i>																																														0.1	
<i>Acacia dictyophleba</i>																																														0.1	
<i>Acacia elachantha</i>																																															
<i>Acacia hamersleyensis</i>																																													0.1		
<i>Acacia hilliana</i>																																														2	
<i>Acacia inaequilatera</i>																																															
<i>Acacia incurvaneura</i>																																														1	
<i>Acacia kempeana</i>																																															
<i>Acacia macraneura</i>																																															

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Taxa	RCC01	RCC02	RCC05	RCC06	RCC07	RCC08	RCC09	RCC10	RQ001	RQ002	RQ003	RQ004	RQ005	RQ006	RQ007	RQ008	RQ009	RQ010	RQ011	RQ012	RQ013	RQ014	RQ015	RQ016	RQ017	RQ018	RQ019	RQ020	RQ021	RQ022	RQ023	RQ024	RQ025	RQ026	RQ027	RQ028	RQ029	RQ030	RQ031	RQ032	RQ033	RQ034	RQ035	RQ036	
<i>Acacia maitlandii</i>																															0.1	2			0.1		0.1		0.1				3		
<i>Acacia marramamba</i>								1														2											0.1		1.5	1	0.1	1		0.5					
<i>Acacia monticola</i>																																												0.1	
<i>Acacia mulganeura</i>																																													
<i>Acacia orthocarpa</i>																																												0.1	
<i>Acacia pachyacra</i>											0.1														0.5				0.1		0.1						1.5							0.1	
<i>Acacia pruinocarpa</i>									5		0.1		0.1	0.5			0.1	1	0.1		1	8		1				0.1	0.1	2		0.1	1					1	0.5	0.1					
<i>Acacia pteraneura</i>																																													
<i>Acacia pyrifolia</i>																																												0.1	
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>																																				0.1		0.1					0.1		
<i>Acacia rhodophloia</i>									3													5	1							0.1				0.1		0.1				0.1					
<i>Acacia rhodophloia</i> x <i>adsurgens</i>																					0.1																								
<i>Acacia rhodophloia</i> x ? <i>sibirica</i>																																													
<i>Acacia rhodophloia</i> x <i>sibirica</i>																																													
<i>Acacia sibirica</i>								0.1				3																	1			3	0.5					0.1		0.1					
<i>Acacia spondylophylla</i>																																												0.1	
<i>Acacia subtiliformis</i> P3																																													
<i>Acacia synchronicia</i>																																													
<i>Acacia tenuissima</i>																																													
<i>Acacia tetragonophylla</i>																					0.1			1				0.1	0.1																
<i>Acacia trudgeniana</i>																																													
<i>Acacia tumida</i> var. <i>pilbarensis</i>																																					42							0.1	
<i>Acrachne racemosa</i>																	0.1																												
<i>Adriana tomentosa</i>																																													
<i>Afrohybanthus aurantiacus</i>																					0.1														0.1			0.1						0.1	
<i>Alloteropsis cimicina</i>																																													
<i>Alternanthera angustifolia</i>																																													
<i>Alternanthera denticulata</i>																																													
<i>Alternanthera nana</i>																																													
<i>Amaranthus cuspidifolius</i>																																													
<i>Amaranthus undulatus</i>																																													
<i>Ammannia multiflora</i>																																													
<i>Amphipogon sericeus</i>									0.1		0.1	0.5																																	
<i>Amyema hilliiana</i>																																													
<i>Amyema</i> sp.																																													
<i>Androcalva loxophylla</i>																																													0.1

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Taxa	RCC01	RCC02	RCC05	RCC06	RCC07	RCC08	RCC09	RCC10	RQ001	RQ002	RQ003	RQ004	RQ005	RQ006	RQ007	RQ008	RQ009	RQ010	RQ011	RQ012	RQ013	RQ014	RQ015	RQ016	RQ017	RQ018	RQ019	RQ020	RQ021	RQ022	RQ023	RQ024	RQ025	RQ026	RQ027	RQ028	RQ029	RQ030	RQ031	RQ032	RQ033	RQ034	RQ035	RQ036				
<i>Bonamia pilbarensis</i>																																																
<i>Bothriochloa ewartiana</i>							0.1																																									
<i>Bothriochloa</i> sp.																																																
<i>Brachychiton acuminatus</i>																																																
<i>Brunonia australis</i>																																																
<i>Bulbine pendula</i>			0.1	0.1																																												
<i>Bulbostylis barbata</i>			0.1	0.1					0.1														0.1																0.1				0.1					
<i>Bulbostylis turbinata</i>	0.1	0.1	0.5	2				0.1		0.1																																						
<i>Calandrinia ptychosperma</i>			0.1																																													
<i>Calandrinia ?pumila</i>																																																
<i>Calandrinia pumila</i>	0.1	0.1	0.1	0.1																																												
<i>Calandrinia reticulata</i>																																																
<i>Calandrinia stagnensis</i>																																																
<i>Calocephalus pilbarensis</i>		0.1	0.1	0.1	0.1																																											
<i>Calotis latiuscula</i>																																																
<i>Calotis plumulifera</i>			0.1	0.1																																												
<i>Calytrix carinata</i>																																																
<i>Capparis lasiantha</i>																																																
<i>Capparis spinosa</i> subsp. <i>nummularia</i>																																																
<i>Cassytha capillaris</i>																																																
* <i>Cenchrus ciliaris</i>	0.1									0.1								0.1						0.1				0.1																				
* <i>Cenchrus setiger</i>																																																
<i>Centipeda minima</i>	0.1																																															
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																																																
<i>Cheilanthes brownii</i>																																																
<i>Cheilanthes lasiophylla</i>																																																
<i>Cheilanthes sieberi</i>																																																
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>										0.1				0.1	1	0.1	0.1	0.1	2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2			0.1		
<i>Chloris ?barbata</i>																																																
* <i>Chloris virgata</i>													0.1	0.1		0.1		0.1																														
<i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>																																																
<i>Chrysocephalum gilesii</i>			0.1	0.1																																												
<i>Chrysocephalum pterochaetum</i>																																																
<i>Chrysopogon fallax</i>	0.5	1	8	5	0.1	4	1	0.1		1			0.5	0.5	0.1	0.1		1	0.1		0.1			0.1	0.1		2	0.1	0.1					0.1					0.1			0.1			1.5			
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>																																																
<i>Clerodendrum floribundum</i> var. <i>floribundum</i>																																																

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Taxa	RCC01	RCC02	RCC05	RCC06	RCC07	RCC08	RCC09	RCC10	RQ001	RQ002	RQ003	RQ004	RQ005	RQ006	RQ007	RQ008	RQ009	RQ010	RQ011	RQ012	RQ013	RQ014	RQ015	RQ016	RQ017	RQ018	RQ019	RQ020	RQ021	RQ022	RQ023	RQ024	RQ025	RQ026	RQ027	RQ028	RQ029	RQ030	RQ031	RQ032	RQ033	RQ034	RQ035	RQ036																			
<i>Clerodendrum tomentosum</i>																																																															
<i>Codonocarpus cotinifolius</i>																							0.1	0.1	0.1							0.1							0.1	0.1				0.1			0.1																
<i>Commelina ensifolia</i>	0.1	0.1				0.1	0.1						0.1	0.1		0.1													0.1	0.1																			0.1														
<i>Convolvulaceae sp.</i>																																																															
<i>Convolvulus clementii</i>	0.1			0.1	0.1		0.1	0.1	0.1						0.1		0.1		0.1																																												
<i>Convolvulus remotus</i>																																																															
<i>Corchorus lasiocarpus subsp. parvus</i>									0.1		0.1																						0.1	0.1	0.1		0.1	0.1		0.5	0.1	0.1		0.1	0.1	0.1																	
<i>Corchorus parviflorus</i>																																																															
<i>Corchorus sidoides</i>																																																															
<i>Corchorus sp.</i>												0.1								0.1				0.1														0.1					0.1																				
<i>Corchorus tridens</i>	0.1	0.1	0.1	0.1	0.1	0.5		0.1						0.1																																																	
<i>Corymbia candida</i>						0.5							1		2		0.5								1																																						
<i>Corymbia deserticola subsp. deserticola</i>									1											1						1.5								0.1	1		0.5																										
<i>Corymbia ferritcola</i>																																																															
<i>Corymbia hamersleyana</i>											0.5												2								0.5		8			4	0.1						0.5		5																		
<i>Crotalaria medicaginea var. neglecta</i>																																																															
<i>Cryptandra monticola</i>																																																															
<i>Cucumis melo</i>	0.1	0.1	0.1	0.1		0.1	0.1						1	0.1																																																	
<i>Cucumis variabilis</i>																												0.1			0.1						0.1						0.1								0.1												
<i>Cullen cinereum</i>			0.1	0.1		0.5																																																									
<i>Cullen graveolens</i>	0.1	0.1	0.1	3	0.1		0.1																																																								
<i>Cullen pogonocarpum</i>																																																															
<i>Cymbopogon ambiguus</i>											0.1	0.1	0.1																0.1		1	0.1	0.1					0.1							0.1																		
<i>Cymbopogon obtectus</i>																					0.1																												0.1														
<i>Cymbopogon sp.</i>																																																															
<i>Cynanchem floribundum</i>																																																															
<i>Cynanchem pedunculatum</i>																																																															
<i>Cynanchem viminale subsp. australe</i>																																																															
<i>Cynodon convergens</i>	0.1	0.1	0.1	0.1	1	0.1	0.1	0.1																																																							
<i>Cynodon prostratus</i>																																																															
<i>Cyperus bulbosus</i>	0.1		0.1			0.1																																																									
<i>Cyperus iria</i>	0.1			0.1																																																											
<i>Cyperus pulchellus</i>																																																															
<i>Cyperus squarrosus</i>		0.1																																																													
<i>Dactyloctenium radulans</i>	0.1	0.1	0.1	0.1		0.1							0.1	0.1		0.1																																															
<i>Dampiera candidans</i>									0.1																																											0.1		0.1	0.1	0.1		0.1		0.1			

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Taxa	RCC01	RCC02	RCC05	RCC06	RCC07	RCC08	RCC09	RCC10	RQ001	RQ002	RQ003	RQ004	RQ005	RQ006	RQ007	RQ008	RQ009	RQ010	RQ011	RQ012	RQ013	RQ014	RQ015	RQ016	RQ017	RQ018	RQ019	RQ020	RQ021	RQ022	RQ023	RQ024	RQ025	RQ026	RQ027	RQ028	RQ029	RQ030	RQ031	RQ032	RQ033	RQ034	RQ035	RQ036								
<i>Dichanthium sericeum</i>																																																				
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	3	3	4	0.1	0.1	2	0.1	0.5				0.1			0.1			4									0.1																									
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>				0.1																																																
<i>Dicrastylis cordifolia</i>																																													0.1							
<i>Digitaria ammophila</i>																0.1			0.1	0.1						0.1		0.5			0.1	0.1	0.1	0.1										0.1	3							
<i>Digitaria brownii</i>										0.1									0.1																																	
? <i>Digitaria ctenantha</i>																																																				
<i>Digitaria ctenantha</i>										0.1			0.5	0.1	0.1	2		0.1	2		0.1	0.1					0.1	0.1			0.1								0.1							6						
<i>Diplopeltis stuartii</i> var. <i>stuartii</i>																																																				
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>		0.1																										0.1																								
<i>Dodonaea coriacea</i>																																																				
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>																																															0.1					
<i>Dodonaea pachyneura</i>																																																				
<i>Dodonaea ?petiolaris</i>																																																				
<i>Dodonaea petiolaris</i>																																																				
<i>Dodonaea</i> sp.																																																				
<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>																																																				
<i>Dolichocarpa crouchiana</i>										0.1																																										
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	0.1	0.1	0.1	0.1			0.1																																												
<i>Duma florulenta</i>																																																				
<i>Duperreya commixta</i>						0.1			0.1		0.1				0.1				0.1	0.1							0.1	0.1		0.1	0.1	0.1		0.1	1	0.1			0.1	0.1	0.1	0.1				0.2						
<i>Dysphania glomulifera</i> subsp. <i>eremaea</i>																		0.1																																		
<i>Dysphania kalpari</i>																		0.1												0.1																						
<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>						0.1																						0.1																								
<i>Dysphania melanocarpa</i> forma <i>melanocarpa</i>																																																				
<i>Dysphania rhadinostachya</i>																																																				
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>				0.1																																												0.1				
<i>Dysphania</i> sp.			0.1																																																	
<i>Elytrophorus spicatus</i>				0.1																																																
<i>Enchylaena</i> sp.																																																				
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>																					0.1				0.1			0.1			0.1																					
<i>Enchylaena tomentosa</i> x <i>Maireana georgei</i>																																																				
<i>Enneapogon avenaceus</i>	0.1	0.1																																																		
<i>Enneapogon caeruleus</i>	0.1	0.1			0.1	0.1		0.1	0.1						0.1															1.5		0.1											0.1									
<i>Enneapogon ?lindleyanus</i>																																																				
<i>Enneapogon lindleyanus</i>					0.1							0.1													0.1																						0.1					

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<i>Enneapogon polyphyllus</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	8	5	5	4	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2	0.1	0.1	0.1	0.5	1	0.1	0.1	2	0.1	0.1					0.1			0.1	8		
<i>Enneapogon robustissimus</i>														0.1		0.1																													
<i>Enneapogon</i> sp.																																													
<i>Enteropogon ramosus</i>																																													
<i>Eragrostis cumingii</i>				0.1										0.1				4							0.1	0.1	0.1																		
<i>Eragrostis desertorum</i>																																													
<i>Eragrostis dielsii</i>																											0.1																		
<i>Eragrostis eriopoda</i>																												0.1	0.1																
<i>Eragrostis leptocarpa</i>																																													
<i>Eragrostis pergracilis</i>		0.1																0.1																											
<i>Eragrostis setifolia</i>									0.1			0.1							0.1																										
<i>Eragrostis setifolia</i> x <i>xerophila</i>																																													
<i>Eragrostis</i> sp.																																													
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1																																													
<i>Eragrostis tenellula</i>	0.1	0.1	0.1	0.1		0.1		0.1																																					
<i>Eragrostis xerophila</i>	0.1	1	0.1	0.1	0.1	1	1.5	0.1													0.1																								
<i>Eremophila caespitosa</i>																																													
<i>Eremophila clarkei</i>																																													
<i>Eremophila exilifolia</i>									0.1											10		0.1																							
<i>Eremophila</i> ? <i>forrestii</i>																																													
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>								0.1		0.1																																			
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>																																													
<i>Eremophila galeata</i>																																													
<i>Eremophila</i> ? <i>jucunda</i>																																													
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>																																													
<i>Eremophila lachnocalyx</i>																																													
? <i>Eremophila lanceolata</i>																																													
<i>Eremophila lanceolata</i>															0.1		12	0.5			0.5			0.1		0.1	0.1		1															0.5	
<i>Eremophila latrobei</i>																																													
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>												0.1		0.1				0.1	0.1	0.1		0.1						0.1	0.1	0.1	0.1												0.1		
<i>Eremophila latrobei</i> subsp. <i>glabra</i>																														0.1															
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>								0.1	0.1			0.1								0.1	0.1	0.1																							
<i>Eremophila longifolia</i>																												0.1																	
<i>Eremophila oppositifolia</i> subsp. <i>angustifolia</i>																																													
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>																																													
<i>Eriachne aristidea</i>															0.1					0.1									0.1																

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? <i>Eriachne benthamii</i>																0.1																																						
<i>Eriachne benthamii</i>																		10	0.1		3						1		0.1																	2.5								
<i>Eriachne flaccida</i>				2				0.1									0.1	15																																				
<i>Eriachne helmsii</i>																								0.1																	0.1													
<i>Eriachne lanata</i>											0.1																																0.1											
<i>Eriachne mucronata</i>								0.1				1.5	0.1														0.1	0.1	0.1	0.1				3				0.1		0.1	0.1	0.1												
<i>Eriachne obtusa</i>																																																						
<i>Eriachne pulchella</i>																															0.1					0.1																		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>									0.1						0.1																																							
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>			0.1								0.1											0.1	0.1					0.1						0.1					0.1	0.1		0.1	0.1											
? <i>Eriachne</i> sp.																							0.1																															
<i>Eriachne tenuiculmis</i>																																																						
<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i>																																																						
<i>Eucalyptus gamophylla</i>																								0.5						0.1										0.1	1					1								
<i>Eucalyptus kingsmillii</i>																																																						
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>									0.5			4								0.1		2						1.5	4	1		1	0.1		1.5	1		0.5	0.5	1														
<i>Eucalyptus repullulans</i>																																																						
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>																													1																									
<i>Eucalyptus trivalva</i>																																																						
<i>Eucalyptus victrix</i>								1.5																																														
<i>Eucalyptus xerothermica</i>												1.5	1				1	0.5						3							0.1																			0.1				
<i>Eulalia aurea</i>								0.1																						0.1																					3			
<i>Euphorbia australis</i>																																																						
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	0.1	0.1	0.1		0.1	1																																															
<i>Euphorbia australis</i> var. <i>hispidula</i>															0.1								0.1						0.1																									
<i>Euphorbia australis</i> var. <i>subtomentosa</i>																															0.1																							
<i>Euphorbia biconvexa</i>										0.1		0.1	0.1	0.1	0.1		0.1											0.1																										
<i>Euphorbia biconvexa</i> /coghlanii/trigonosperma (sterile indet.)																																																						
<i>Euphorbia boophthona</i>									0.1																																													
<i>Euphorbia boophthona</i> /tannensis																																																						
<i>Euphorbia coghlanii</i>	4	3	2	0.1	4	4	3	1																																														
<i>Euphorbia drummondii</i>																													0.1																									
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>																	0.1	0.1			0.1						0.1			0.1																								
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	0.1	0.1		0.1		0.1	0.1																																														
<i>Euphorbia</i> sp.																																																						
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>							0.1																																															

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<i>Gossypium sturtianum</i> var. <i>sturtianum</i>																																																			
<i>Grevillea berryana</i>										0.5		0.1							1	0.1		0.1	1	0.1				0.1	0.1		0.1	0.1								0.1				0.1							
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																																																			
<i>Grona filiformis</i>																																																			
<i>Grona muelleri</i>						1		1																																											
<i>Hakea chordophylla</i>											1	0.1				0.1																																			
<i>Hakea lorea</i> subsp. <i>lorea</i>						0.5	0.1															0.1	0.1																												
<i>Haloragis ?gossei</i>				0.1			0.1	0.1																																											
<i>Haloragis gossei</i>																																																			
<i>Haloragis gossei</i> var. <i>gossei</i>												0.1																																							
<i>Haloragis maierae</i>	0.1	0.1	0.1	0.1	0.1																																														
<i>Haloragis odontocarpa</i>																																																			
<i>Haloragis</i> sp.								0.1																																											
<i>Heliotropium chrysocarpum</i>																																																			
<i>Heliotropium conocarpum</i>		0.1						0.1																																											
<i>Heliotropium cunninghamii</i>																						0.1																									0.1				
<i>Heliotropium heteranthum</i>			0.1	0.1				0.1				0.1										0.1																									0.1				
<i>Heliotropium inexplicitum</i>									0.1																					0.1	0.1				0.1																
<i>Heliotropium pachyphyllum</i>																																																			
<i>Heliotropium skeleton</i>																																																			
<i>Heliotropium tanythrix</i>			0.1	0.1		0.1		0.1										0.1											0.1																						
<i>Hibiscus brachysiphonius</i>			0.1	0.1																																															
<i>Hibiscus burtonii</i>									0.1	0.1			0.1	0.1		0.1			0.1				0.1	0.1	0.1			0.1	0.1																			0.1			
<i>Hibiscus ?coatesii</i>																																																			
<i>Hibiscus coatesii</i>																						0.1							0.1			0.1																			
<i>Hibiscus leptocladus</i>																																																			
<i>Hibiscus</i> sp.																																																			
<i>Hibiscus</i> sp. Gurinbidy Range (M.E. Trudgen MET 15708) P2																																																			
<i>Hibiscus sturtii</i>																																																			
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>																																																			
<i>Hibiscus sturtii</i> var. <i>platyclamys</i>																																																			
<i>Hibiscus sturtii</i> var. <i>truncatus</i>																																																			
<i>Hibiscus verdcourtii</i>	0.1	0.1	0.1	0.1	0.5	0.1		0.1																																											
<i>Indigastrum parviflorum</i>	0.1																																																		
<i>Indigofera georgei</i>																																																			
<i>Indigofera gilesii</i> P3																																																			

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<i>Indigofera linifolia</i>	0.1	0.1	0.1	0.1	1	0.1	0.1	0.5		0.1																																									
<i>Indigofera linnaei</i>																																																			
<i>Indigofera monophylla</i>											0.1									0.1								0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					
<i>Ipomoea lonchophylla</i>	6	1	8	7	2	0.1	8	0.5																																											
<i>Ipomoea muelleri</i>																																													0.1						
<i>Ipomoea polymorpha</i>																																																			
<i>Ipomoea racemigera</i> P2																																																			
<i>Ipomoea</i> sp.																																																			
<i>Ischaemum albobillosum</i>	0.1	0.1	0.1	0.1				8																																											
<i>Iseilema</i> aff. <i>membranaceum</i>					1																																														
<i>Iseilema dolichotrichum</i>									0.1		0.1								0.1																												0.1				
<i>Iseilema eremaeum</i>																																																			
<i>Iseilema membranaceum</i>			0.1										0.1														0.1																			0.1					
<i>Iseilema vaginiflorum</i>	1	0.1	0.1	0.1		0.1	0.1	0.1							0.1	0.1		0.1																																	
<i>Isolepis</i> sp.																																																			
<i>Isotropis atropurpurea</i>																																																			
<i>Isotropis iophyta</i>																								0.1																											
<i>Isotropis parviflora</i> P2																																																			
<i>Jasminum didymum</i> subsp. <i>lineare</i>																																																			
<i>Josephinia eugeniae</i>																																																			
<i>Leichhardtia australis</i>															0.1										0.1																										
<i>Lepidium</i> sp.																																																			
<i>Lotus cruentus</i>	0.1	0.1	0.1	2				0.1																																											
<i>Maireana carnososa</i>																																																			
<i>Maireana georgei</i>																																																			
<i>Maireana melanocoma</i>																																																			
<i>Maireana planifolia</i>																																																			
<i>Maireana planifolia</i> x <i>villosa</i>																																																			
<i>Maireana</i> sp.																																																			
<i>Maireana thesioides</i>																																																			
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>									0.1	0.1		0.1					0.1							0.1		0.1																									
<i>Maireana triptera</i>																																																			
<i>Maireana ?villosa</i>														0.1																																					
<i>Maireana villosa</i>				0.1									0.1	0.1	0.1	0.1	0.1		0.1										0.1																					0.1	
<i>Malvaceae</i> sp.																																																			
* <i>Malvastrum americanum</i>						0.1							0.1	0.1																																					

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<i>Marsilea ?hirsuta</i>		0.1																																																	
<i>Marsilea hirsuta</i>				0.1																																															
<i>Melaleuca eleuterostachya</i>																																																			
<i>Melhania oblongifolia</i>																												0.1																							
<i>Mimulus gracilis</i>	0.1	0.1	0.1	0.1		0.1																																													
<i>Minuria integerrima</i>																																																			
<i>Mirbelia viminalis</i>																																																			
<i>Monachather paradoxus</i>																	0.1																																		
<i>Neptunia dimorphantha</i>	0.5	1	5	1.5		0.1	0.1	2																																											
<i>Nicotiana benthamiana</i>																																																			
<i>Nicotiana ?occidentalis</i>																																																		0.1	
<i>Nicotiana occidentalis</i>																																																			
<i>Nicotiana ?simulans</i>																								0.1																										0.1	
<i>Nicotiana simulans</i>																																																			
<i>Nicotiana sp.</i>																																																			
<i>Notoleptopus decaisnei</i>																																																			
<i>Notoleptopus decaisnei</i> var. <i>decaisnei</i>																																																			
<i>Operculina aequisejala</i>	0.1	1	4	1				1																																											
<i>Ophioglossum lusitanicum</i>																																																			
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2																																																			
<i>Panicum decompositum</i>	0.1	0.1			0.1	0.1	0.1								0.1		0.1																																		
<i>Panicum effusum</i>														0.1															0.1	0.1																				0.1	
<i>Panicum laevinode</i>	1	0.1	1	0.1	0.1	0.1		0.1																																										0.1	
<i>Panicum sp.</i>																																																			
? <i>Paraneurachne muelleri</i>																																																			
<i>Paraneurachne muelleri</i>												0.1																0.1	0.5	0.1	0.1			0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3	
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1																																																			
<i>Paspalidium basicladum</i>																								0.1		0.1																									
<i>Paspalidium clementii</i>										0.1			0.1		0.1		0.1		0.1		0.1	0.1	0.1					0.1	0.1			0.1	0.1	0.1																	
<i>Paspalidium rarum</i>			0.1	0.1										0.1			0.1	0.1																																	
<i>Peplidium maritimum</i>																																																			
<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)																																																			
<i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)																																																			
<i>Peripleura arida</i>		0.1																																																	
<i>Peripleura virgata</i>																																																			
<i>Perotis rara</i>		0.1	0.1			0.1		0.1		0.1				0.1	0.5	0.1	0.5	4	1					0.1		0.1	0.1	0.1		0.1																		0.1		0.1	5

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Taxa	RCC01	RCC02	RCC05	RCC06	RCC07	RCC08	RCC09	RCC10	RQ001	RQ002	RQ003	RQ004	RQ005	RQ006	RQ007	RQ008	RQ009	RQ010	RQ011	RQ012	RQ013	RQ014	RQ015	RQ016	RQ017	RQ018	RQ019	RQ020	RQ021	RQ022	RQ023	RQ024	RQ025	RQ026	RQ027	RQ028	RQ029	RQ030	RQ031	RQ032	RQ033	RQ034	RQ035	RQ036		
<i>Petalostylis labicheoides</i>																																1				2				0.1	0.5			0.5	40	
<i>Phyllanthus erwinii</i>																																														0.1
<i>Phyllanthus maderaspatensis</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1																																						
<i>Pimelea holroydii</i>				0.1				0.1																																						
<i>Plantago cunninghamii</i>			0.1																																											
<i>Pluchea dentex</i>																																														
<i>Poaceae</i> sp.												0.1																																		
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>			0.1					0.1	0.1						0.1																															
<i>Polycarpaea holtzei</i>																										0.1																				
<i>Polycarpaea longiflora</i>																																														
<i>Polygala ?glaucofolia</i>																																														
<i>Polygala glaucifolia</i>	0.1	0.1	0.1	0.1		0.1	0.1	0.1							0.1	0.1																											0.1			
<i>Polygala</i> sp.																											0.1																			
<i>Polymeria ambigua</i>																																														
<i>Polymeria longifolia</i>			0.1	0.1																																										
<i>Portulaca cyclophylla</i>																																														
<i>Portulaca filifolia</i>													0.1			0.1																														
<i>Portulaca intraterranea/oleracea</i>																																														
<i>Portulaca ?oleracea</i>			1																																											
<i>Portulaca oleracea</i>	0.1	0.1		0.1		0.1	0.1	0.1		0.1					0.1	0.1																													0.1	
<i>Prostanthera albiflora</i>																																														
<i>Psychrax latifolia</i>															0.1	0.1							0.1	0.1	0.1	0.1	0.1	0.1															0.1	0.1		
<i>Psychrax rigidula</i>																																														
<i>Psychrax suaveolens</i>									0.1	0.1				0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1									0.1	0.1			0.1	0.1		
<i>Pterocaulon serrulatum</i>																																														
<i>Pterocaulon</i> sp.												0.1																																		
<i>Pterocaulon sphacelatum</i>	0.1	0.1	0.1	0.1		0.1		0.1						0.1							0.1				0.1						0.1	0.1	0.1								0.1				0.1	
<i>Pterocaulon sphaeranthoides</i>																																														
<i>Ptilotus aevoides</i>			0.1					0.1																																						
<i>Ptilotus astrolasius</i>																																														
<i>Ptilotus auriculifolius</i>																																														
<i>Ptilotus calostachyus</i>									0.1			0.1																				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>Ptilotus ?carinatus</i>					0.1																																									
<i>Ptilotus carinatus</i>			0.1	0.1		0.1		0.1																																						
<i>Ptilotus clementii</i>																																														
<i>Ptilotus exaltatus</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1		0.1		0.1	0.1	0.1					0.1	0.1									0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.1	0.1	0.1	0.1		



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<i>Ptilotus fusiformis</i>																													0.1		0.1			0.1		0.1	0.1								
<i>Ptilotus gaudichaudii</i>			0.1			0.1		0.1						0.1	0.1		0.1	0.1			0.1					0.1	0.1		0.1													0.1	0.1		
<i>Ptilotus gomphrenoides</i>	0.1	0.1	1	0.1		0.1		0.1																		0.1																			
<i>Ptilotus helioides</i>	0.1		0.1	0.1						0.1					0.1			0.1	0.1									0.1	0.1																0.1
<i>Ptilotus incanus</i>																																													
<i>Ptilotus obovatus</i> var. <i>obovatus</i>		0.1	0.1		0.1	0.1	0.1			0.1		0.1	1.5	0.5	0.1	1	0.1	0.1	0.1				0.1	4	0.1	0.1	0.1	2	0.1	0.5	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>Ptilotus polystachyus</i>									0.1						0.1																														
<i>Ptilotus roei</i>																			0.1										0.1																
<i>Ptilotus rotundifolius</i>											0.1	0.1																		0.5	0.1														
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>																	0.1	0.1	0.1		0.1	0.1				0.1			0.5																
<i>Ptilotus</i> sp.																													0.1																
<i>Ptilotus xerophilus</i>		0.1	0.1	0.1	0.1	0.1		0.1						0.1																														0.1	
<i>Rhagodia eremaea</i>	0.1	0.1			0.1	0.1	0.1						0.1																																
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3									0.1			0.1	0.1	0.1	0.1	0.1	0.1		0.1				0.5		0.1	0.1	0.1	0.1	0.1	0.1			0.1						0.1					0.1	
<i>Rhodanthe chersleyae</i>																																													
<i>Rhodanthe margarethae</i>																																													
<i>Rhodanthe propinqua</i>																																													
<i>Rhynchosia minima</i>	0.1	0.5	0.1	0.1	2	0.1	2	0.1																				0.1	0.1															0.1	
<i>Roebuckiella similis</i>			0.1					0.1									0.1	0.1											0.1																
<i>Rutidosia helichrysoides</i> subsp. <i>helichrysoides</i>																																													
<i>Salsola australis</i>	0.1	0					0.1	0.1					0.1	0.1		0.1							0.1		0.1		0.1																		
<i>Santalum lanceolatum</i>									0.1																						0.1	0.1			2	0.1				0.5			0.1		
<i>Santalum spicatum</i>																																													
<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>																															0.1														
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																																													
<i>Scaevola browniana</i> subsp. <i>browniana</i>											0.1																																		
<i>Scaevola parvifolia</i>																																													
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																																													
<i>Scaevola spinescens</i>																																													
<i>Schizachyrium fragile</i>									0.1		0.1				0.1							0.1							0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>Schoenoplectiella dissachantha</i>																																													
<i>Schoenoplectiella laevis</i>																																													
<i>Sclerolaena</i> aff. <i>diacantha</i>																																													
<i>Sclerolaena cornishiana</i>																																													
<i>Sclerolaena cuneata</i>																																													
<i>Sclerolaena densiflora</i>																																													

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<i>Sclerolaena tetragona</i>																										0.1																						
<i>Senna artemisioides</i> subsp. <i>filifolia</i>	0.1																																											0.1				
<i>Senna artemisioides</i> subsp. <i>helmsii</i>									0.1											0.1		0.1	0.1				0.1	0.1		0.1		1		0.1		0.1			0.1									
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>													1																					0.1					0.1		0.1	0.1						
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>									0.1																		0.1																					
<i>Senna artemisioides</i> subsp. <i>petiolaris</i>																																																
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>																											0.1																	0.5				
<i>Senna artemisioides</i> subsp. x <i>sturtii</i>																																																
<i>Senna ferraria</i>																																												0.1				
<i>Senna glaucifolia</i>									0.1		0.1	0.1								0.1		0.1						0.1		0.1		0.1	0.1			0.1	0.1	0.1			0.1		0.1		0.1			
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>									0.1													0.1					0.5	0.1	0.1		0.1	0.1		0.1	0.1			0.1	0.1		0.1	0.1	0.1		0.1			
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																												0.1													0.1							
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>									0.1	0.1		0.5										0.1					0.1	0.1			0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1		0.1					
<i>Senna hamersleyensis</i>																																																
<i>Senna notabilis</i>	0.1								0.1						0.1		0.1	0.1	0.1								0.1	0.1																0.1				
<i>Senna pleurocarpa</i> var. <i>angustifolia</i>																																																
<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>																																																
<i>Senna sericea</i>																																																
<i>Senna</i> sp.																										0.1																						
<i>Senna stricta</i>																																																
<i>Senna stricta</i> x <i>glutinosa</i>																																																
<i>Senna venusta</i>																																																
<i>Seringia exastia</i>																													1		0.1			0.1			0.1				0.1	1	0.5					
<i>Seringia nephrosperma</i>																																																
<i>Seringia</i> sp.																																																
<i>Setaria dielsii</i>					0.1								0.1	0.1		0.1		0.1										0.1																				
<i>Setaria surgens</i>																																														0.1		
* <i>Setaria verticillata</i>														0.1		0.1																																
<i>Sida ?arenicola</i>																																																
<i>Sida arenicola</i>									0.1																				0.1	0.1	0.1			0.1			0.1	0.1	0.1									
<i>Sida arsinata</i>																																																
<i>Sida calyxhymenia</i>																																																
<i>Sida cardiophylla</i>																												0.1					0.1		0.1			0.1							0.1		0.1	
<i>Sida ?clementii</i>																																																
<i>Sida ?echinocarpa</i>																																																
<i>Sida echinocarpa</i>																																																

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<i>Sida ectogama</i>									1									0.1					5				0.1					2											0.5		
<i>Sida ?fibulifera</i>																																													
<i>Sida fibulifera</i>	0.1	0.1	0.5	2		0.1	0.1	3						0.1	0.1	0.1	0.1	0.1						0.1		0.1	0.1	0.1														0.1			
<i>Sida platycalyx</i>																	0.1									0.1																		0.1	
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>																																													
<i>Sida</i> sp.																																													
<i>Sida</i> ?sp. dark green fruits (S. van Leeuwen 2260)																																													
<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)																																											0.1		
<i>Sida</i> sp. Excedentifolia (J.L. Egan 1925)									0.1																					0.1	0.1		0.1	0.1			0.1	0.1		0.1					
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)																				0.1	0.1			0.1																		0.1			
<i>Sida spinosa</i>	0.1	0.1			0.1			0.1																																					
<i>Sida</i> sp. L (A.M. Ashby 4202)									0.1																			0.1	0.1														0.1	0.1	
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)																															0.1	0.1													
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)																																													
<i>Sida</i> ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)																																													
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)																																											0.1		
<i>Sida</i> sp. tiny glabrous fruit (A.A. Mitchell PRP1152)																	0.1																												
<i>Sida trichopoda</i>																																													
<i>Solanum centrale</i>								0.1												0.1									0.1	0.1			0.1			0.1	0.1			0.1	0.1				
<i>Solanum cleistogamum</i>										0.1																			0.1		0.1		0.1	0.1	0.1		0.1	0.1					0.1	0.1	
<i>Solanum ferocissimum</i>																																													
<i>Solanum horridum</i>																																												0.1	
<i>Solanum lasiophyllum</i>		0.1	0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<i>Solanum ?phlomoides</i>																																													
<i>Solanum phlomoides</i>																																	0.1												
<i>Solanum</i> sp.																																													
<i>Spermacoce brachystema</i>									0.1								0.1	0.1	0.1								0.1		0.1	0.1														0.1	
<i>Sporobolus australasicus</i>			0.1										0.1														0.1	0.1																	
<i>Stackhousia ?intermedia</i>																																													
<i>Stackhousia muricata</i> subsp. annual (W.R. Barker 2172)																																													
<i>Stackhousia</i> ?sp. swollen gynophore (W.R. Barker 2041)																																													
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)																																													
<i>Stemodia grossa</i>																				0.1								0.1				0.1													0.1

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<i>Tribulus hirsutus</i>																												0.1																				
<i>Tribulus suberosus</i>																				0.1																												
* <i>Tribulus terrestris</i>	0.5	0.1			0.1	0.5	1																																									
<i>Tribulus ?terrestris</i>																																																
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>									0.1		0.1																		0.1		0.1																	
<i>Tricoryne</i> sp. Hamersley Range (S. van Leeuwen 915)																																																
<i>Trigonella suavissima</i>																																																
<i>Triodia angusta</i>																																																
<i>Triodia brizoides</i>																																																
<i>Triodia longiceps</i>																																																
<i>Triodia melvillei</i>										2																		5	0.1																			
<i>Triodia pungens</i>								1.5		1	0.1				28					0.5		25	15						10	25	2	1	15	1.5	15	25	20	5	1	30	40	0.1						
<i>Triodia vanleeuwenii</i>								35		55	30									50	30			3				21	40		0.5	32		25	25	15	24	0.1	40	5								
<i>Triodia wiseana</i>																						12					7	24																				
<i>Tripogonella loliformis</i>																	0.1						0.1																									
<i>Triraphis mollis</i>														0.1																																		
<i>Triumfetta maconochieana</i>																																																
<i>Urochloa occidentalis</i> var. <i>ciliata</i>			0.1	0.1														0.1									0.1																					
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>	0.1				0.5	2							1	0.1		0.5																																
<i>Urochloa piligera</i>																																																
* <i>Vachellia farnesiana</i>																																																
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																																																
<i>Vigna</i> sp.																																																
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)	1		5	8	2	1	0.1	3						0.1																																		
<i>Vincetoxicum lineare</i>																										0.1		0.1																				
<i>Vittadinia dissecta</i> var. <i>hirta</i>																																																
<i>Wahlenbergia</i> sp.																																																
<i>Wahlenbergia tumidifruca</i>				0.1																																												
<i>Waltheria indica</i>																	0.1																															
<i>Waltheria virgata</i>																																																
<i>Yakirra australiensis</i>																																																
<i>Yakirra australiensis</i> var. <i>australiensis</i>																																																

? denotes unconfirmed ID

* denotes weed species

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<i>Acacia marramamba</i>												2		0.1																																									
<i>Acacia monticola</i>												0.1																																											
<i>Acacia mulganeura</i>																																																							
<i>Acacia orthocarpa</i>																																																							
<i>Acacia pachyacra</i>	0.1									0.1								0.5	0.5				0.1																0.1																
<i>Acacia pruinocarpa</i>		5	1	0.1		0.1	4	0.1	1		0.5	3	0.1	2.5		0.5		0.5	0.5				5							0.1	0.1			0.5	0.1	0.1		1	0.5	1			1												
<i>Acacia pteraneura</i>																																		0.5																					
<i>Acacia pyrifolia</i>																																																							
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>				0.1																																																			
<i>Acacia rhodophloia</i>				0.1								0.1											0.1								0.1										0.5														
<i>Acacia rhodophloia</i> x <i>adsurgens</i>																																																							
<i>Acacia rhodophloia</i> x ? <i>sibirica</i>													0.1																																										
<i>Acacia rhodophloia</i> x <i>sibirica</i>																																																							
<i>Acacia sibirica</i>										0.1			15	0.5		0.1							0.1								0.1								0.1	0.1															
<i>Acacia spondylophylla</i>																																																							
<i>Acacia subtiliformis</i> P3																																																							
<i>Acacia synchronicia</i>																																																							
<i>Acacia tenuissima</i>					0.1											0.1																																							
<i>Acacia tetragonophylla</i>					0.1	0.1		0.1			0.1		0.1	0.1																0.1	0.1		0.1	0.1			0.1		7	0.1	0.5														
<i>Acacia trudgeniana</i>					0.5															2																				0.1															
<i>Acacia tumida</i> var. <i>pilbarensis</i>								0.1																																															
<i>Acrachne racemosa</i>																																																							
<i>Adriana tomentosa</i>																																																							
<i>Afrohybanthus aurantiacus</i>								0.1		0.1		0.1																																											
<i>Alloteropsis cimicina</i>																																																							
<i>Alternanthera angustifolia</i>																																																							
<i>Alternanthera denticulata</i>																0.1																																							
<i>Alternanthera nana</i>																	0.1																																						
<i>Amaranthus cuspidifolius</i>							0.1										0.1							0.1						0.1																									
<i>Amaranthus undulatus</i>		0.1																																																					
<i>Ammannia multiflora</i>																0.1																																							
<i>Amphipogon sericeus</i>	0.1				0.1			0.5		0.1				0.1									0.1								0.1																								
<i>Amyema hilliana</i>																																																							
<i>Amyema</i> sp.																																																							
<i>Androcalva loxophylla</i>					0.5									0.1																																									
<i>Androcalva luteiflora</i>				0.1								0.1																																											

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<i>Anthobolus leptomerioides</i>																															0.1			0.1																	
<i>Areocleome oxalidea</i>																																																			
<i>Aristida contorta</i>			6	0.1	0.1	0.1	3	0.1	0.1		0.1	0.1		0.1		0.1	0.1	1	0.1		0.1	0.1	0.1	4	0.1	80	28	0.1			0.1	5	0.5				25	0.1	0.1	0.1	22	0.1	0.5	35	0.1						
<i>Aristida holathera</i> var. <i>holathera</i>					0.1		0.1			0.1	0.1									0.1																	0.1	0.1													
<i>Aristida ?inaequiglumis</i>																																																			
<i>Aristida inaequiglumis</i>				0.1	0.1							0.1						0.1	0.1				0.1	1		0.1													0.1						0.1						
<i>Aristida ?ingrata</i>			0.1																																																
<i>Aristida ingrata</i>				0.1			0.1			0.1	0.1																																			0.1					
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3																0.1																																0.1			
<i>Aristida latifolia</i>				0.1										0.1			1			0.5	2	30		0.1	5	2	0.1	3			2		0.1	4	0.1								20				0.1				
<i>Aristida lazardis</i> P2																																																			
<i>Aristida nitidula</i>																																																			
<i>Aristida obscura</i>		0.1	0.5	0.1			0.1		0.1		0.5						0.1							0.5																								0.1			
<i>Aristida pruinosa</i>																																																			
<i>Aristida</i> sp.																																																			
<i>Arivela viscosa</i>		0.1	0.1	0.1		0.1	0.1		0.1		0.1			0.1					0.1	0.1				0.1	0.1		0.1	0.1			0.1	0.1															0.1	0.1	0.1	0.1	
<i>Asteraceae</i> sp.																																																			
<i>Astrebla elymoides</i>														1		0.1				68	20	15		0.1		0.1																						0.1			
<i>Astrebla pectinata</i>																				0																															
? <i>Astrebla</i> sp.																																																			
<i>Astrotricha hamptonii</i>																																																			
<i>Atriplex ?bunburyana</i>																																																			
<i>Atriplex codonocarpa</i>																																																			
<i>Austrobryonia pilbarensis</i>																											0.1	0.1																					0.1		
<i>Bergia ?pedicellaris</i>																																																			
<i>Bergia pedicellaris</i>																0.1																																			
* <i>Bidens bipinnata</i>		0.1	0.1	0.1	0.1	0.1	1		1		0.1					0.1	0.1			0.1			0.1	1	1	0.1	0.1	0.5		0.1	2	0.1	1	0.1	0.1			0.1				1	2	0.5				0.1			
<i>Blumea tenella</i>																																																			0.1
<i>Boerhavia burbridgeana</i>																																																		0.1	
<i>Boerhavia coccinea</i>		0.1				0.1	0.1		0.1		0.1													0.1	0.1		0.1	0.1			0.1	0.1																0.1			
<i>Boerhavia gardneri</i>																																																			
<i>Boerhavia paludosa</i>															0.1					0.1	0.1	0.1				0.1																									
<i>Boerhavia repleta</i>									0.1															0.1	0.1		0.1																					0.1			
<i>Boerhavia schomburgkiana</i>																																																			
<i>Bonamia erecta</i>																																																			

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<i>Bonamia pilbarensis</i>																																																			
<i>Bothriochloa ewartiana</i>																																																			
<i>Bothriochloa</i> sp.																																																			
<i>Brachychiton acuminatus</i>																																																			
<i>Brunonia australis</i>																																														0.1					
<i>Bulbine pendula</i>																						0.1																													
<i>Bulbostylis barbata</i>																0.1							0.1																												
<i>Bulbostylis turbinata</i>									0.1						0.1													0.1																							
<i>Calandrinia ptychosperma</i>																																																			
<i>Calandrinia ?pumila</i>																																													0.1		0.1				
<i>Calandrinia pumila</i>																																																			
<i>Calandrinia reticulata</i>																																																			
<i>Calandrinia stagnensis</i>																																																			
<i>Calocephalus pilbarensis</i>																																																			
<i>Calotis latiuscula</i>																																																			
<i>Calotis plumulifera</i>																																																			
<i>Calytrix carinata</i>															0.1																																				
<i>Capparis lasiantha</i>				0.1		0.1																																										0.1			
<i>Capparis spinosa</i> subsp. <i>nummularia</i>																0.1																																			
<i>Cassylia capillaris</i>																																																			
* <i>Cenchrus ciliaris</i>		0.1																																													0.1				
* <i>Cenchrus setiger</i>																																																			
<i>Centipeda minima</i>																																																			
<i>Centipeda minima</i> subsp. <i>macrocephala</i>															0.1																																				
<i>Cheilanthes brownii</i>																																																			
<i>Cheilanthes lasiophylla</i>																																																			
<i>Cheilanthes sieberi</i>									0.1		0.1																																				0.1	0.1			
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		0.1	0.5			0.1						0.1		0.1											0.1		0.1																			0.1					
<i>Chloris ?barbata</i>																																																			
* <i>Chloris virgata</i>																																																0.1	0.1	0.1	0.1
<i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>																																																			
<i>Chrysocephalum gilesii</i>																	0.1								0.1																								0.1		
<i>Chrysocephalum pterochaetum</i>																																																			
<i>Chrysopogon fallax</i>		0.5		0.1		0.1	3		0.5		0.1		0.1		0.1		0.1	0.1		0.1	4	0.1		0.5	0.1		0.5	4		0.1		0.1		0.1		3	1	3		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5			
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>					0.1				0.1					0.1																																					
<i>Clerodendrum floribundum</i> var. <i>floribundum</i>																																																			

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<i>Enneapogon lindleyanus</i>	0.1	0.1							0.1							0.1					0.1	0.1			0.1					1						0.1														
<i>Enneapogon polyphyllus</i>		0.1	3	0.1	0.1	0.1	0.5	0.1	1	0.1	0.5	0.1	0.1			0.5			0.1	0.1	0.1	0.1	0.1	15	15	0.1	0.1	20	0.1	10	0.1	2	0.1	5	0.1	0.1	0.1	0.1	0.5	15	6	0.1	0.1							
<i>Enneapogon robustissimus</i>						2					0.1												0.1																			0.1								
<i>Enneapogon</i> sp.																																																		
<i>Enteropogon ramosus</i>																																																		
<i>Eragrostis cumingii</i>							0.1		0.1			0.1				0.1							0.1	0.1			0.1																5	0.1						
<i>Eragrostis desertorum</i>																																																		
<i>Eragrostis dielsii</i>																																																		
<i>Eragrostis eriopoda</i>						0.1								0.1			0.1																																	
<i>Eragrostis leptocarpa</i>																																														0.1				
<i>Eragrostis pergracilis</i>									0.1																																									
<i>Eragrostis setifolia</i>			0.1					0.1							0.1	1				0.1	0.5	25		1		0.1								2										0.1						
<i>Eragrostis setifolia</i> x <i>xerophila</i>																																																		
<i>Eragrostis</i> sp.																																														0.1				
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1																							0.1																											
<i>Eragrostis tenellula</i>														0.1		0.1				0.1																														
<i>Eragrostis xerophila</i>					0.1																						4																							
<i>Eremophila caespitosa</i>																																																		
<i>Eremophila clarkei</i>																																																		
<i>Eremophila exilifolia</i>												2.5											0.5																											
<i>Eremophila</i> ? <i>forrestii</i>																																																		
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>			1	0.1		0.1				0.1	0.1	0.1																																						
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>																																																		
<i>Eremophila galeata</i>																																																		
<i>Eremophila</i> ? <i>jucunda</i>																																																		
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>														0.1																																				
<i>Eremophila lachnocalyx</i>																																																		
? <i>Eremophila lanceolata</i>																																																		
<i>Eremophila lanceolata</i>							0.1		0.1																0.1	0.1		0.1																					0.1	
<i>Eremophila latrobei</i>																																																	0.1	
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>							0.1	0.1	0.1		0.1		0.1																																					
<i>Eremophila latrobei</i> subsp. <i>glabra</i>																																																		
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1							0.1					0.5	0.1		0.1																																		
<i>Eremophila longifolia</i>		0.1			0.1	0.1									0.1	0.1	0.1										0.1	0.1																						
<i>Eremophila oppositifolia</i> subsp. <i>angustifolia</i>																																																		
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>	0.1																																																	

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<i>Eriachne aristidea</i>																																																
? <i>Eriachne benthamii</i>																																																
<i>Eriachne benthamii</i>																												0.1																				
<i>Eriachne flaccida</i>															12		40								0.1												0.1						0.5	0.1				
<i>Eriachne helmsii</i>																																																
<i>Eriachne lanata</i>								0.1						7																											3							
<i>Eriachne mucronata</i>	0.5				0.1	0.1	0.1			0.1	0.1		0.1	0.1		0.1			1				0.1						0.1								0.1	3										
<i>Eriachne obtusa</i>																																																
<i>Eriachne pulchella</i>																																																
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																			0.1																													
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>	0.1							0.1				0.1	0.1	0.1									0.1								0.1				0.1		0.1	0.1										
? <i>Eriachne</i> sp.																																																
<i>Eriachne tenuiculmis</i>				0.1																																												
<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i>																																																
<i>Eucalyptus gamophylla</i>			0.1	0.1	5		3		7.5				2		0.1																										0.1							
<i>Eucalyptus kingsmillii</i>																																																
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>	3		0.1	0.1			2		3	0.1	0.1		0.5										0.1							5										0.5	0.1							
<i>Eucalyptus repullulans</i>																																																
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>						20																																										
<i>Eucalyptus trivalva</i>																																																
<i>Eucalyptus victrix</i>														5		11							7	0.5	4				3		1	0.1		0	0.5	6		0.5				2						
<i>Eucalyptus xerothermica</i>		0.1		2			0.5										0.1						0.5	1																						0.5		
<i>Eulalia aurea</i>					0.1			0.1																																								
<i>Euphorbia australis</i>																																																
<i>Euphorbia australis</i> var. <i>glabra</i> P3																					0.1	0.1				0.1		0.1			0.1												1					
<i>Euphorbia australis</i> var. <i>hispidula</i>					0.1			0.1															0.1																			0.1						
<i>Euphorbia australis</i> var. <i>subtomentosa</i>																											0.1																					
<i>Euphorbia biconvexa</i>		0.1				0.1	0.1		0.1								0.1							0.1	0.1					0.1	0.1				0.1	0.1	0.1		0.1				0.1	0.1	0.1			
<i>Euphorbia biconvexa</i> /coghlanii/trigonosperma (sterile indet.)																																																
<i>Euphorbia boophthona</i>																																																
<i>Euphorbia boophthona</i> /tannensis																																																
<i>Euphorbia coghlanii</i>															0.1													0.1																				
<i>Euphorbia drummondii</i>												0.1							0.1																							0.1	0.1				0.1	
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>																									0.1		0.1								0.1										0.1	0.1		
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2																																																

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<i>Euphorbia</i> sp.																																																		
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>																																																		
<i>Euphorbia trigonosperma</i>																																																		
<i>Euphorbia vaccaria</i> var. <i>vaccaria</i>																																																		
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>						0.1																				0.1																								
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1		0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1					
<i>Exocarpos sparteus</i>																0.1																																		
<i>Ficus brachypoda</i>																																																		
<i>Fimbristylis depauperata</i>																																															0.1			
<i>Fimbristylis dichotoma</i>								0.1	0.1			0.1				0.1											0.1					0.1	0.1			0.1				0.5		0.1	8							
<i>Fimbristylis microcarya</i>																																																		
<i>Fimbristylis simulans</i>																																																		
<i>Fimbristylis</i> sp.																																															0.1			
* <i>Flaveria trinervia</i>																																																0.1		
<i>Gastrolobium grandiflorum</i>																																																		
<i>Glycine canescens</i>																						0.1																												
<i>Glycine falcata</i> P3														0.1		0.1			0.1	0.1	0.1																													
<i>Gompholobium oreophilum</i>	0.1							0.1					0.1	0.1																																		1		
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																	0.1											0.1	0.1		0.1																			
<i>Gomphrena cunninghamii</i>		0.1					0.1	0.1																																										
<i>Gomphrena kanisii</i>																				0.1		0.1																										0.1	0.1	
<i>Gomphrena lanata</i>																																																0.1	3	
<i>Goodenia connata</i>																																																		
<i>Goodenia cusackiana</i>																																																		
<i>Goodenia lamprosperma</i>																																																		
<i>Goodenia microptera</i>						0.1						0.1																																						
<i>Goodenia muelleriana</i>					0.1					0.1															0.1																						0.1	0.1	0.1	
<i>Goodenia ?nuda</i>																								0.1																										
<i>Goodenia nuda</i> P4																																																0.1		
<i>Goodenia pasqua</i>																																																		
<i>Goodenia prostrata</i>									0.1									0.1							0.1																					0.1		0.1		
? <i>Goodenia</i> sp.																																																		
<i>Goodenia</i> sp.																																																		
<i>Goodenia stellata</i>																																																		
<i>Goodenia stobbsiana</i>	0.1				0.1		0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1							0.1																						0.1	0.1				
<i>Goodenia triodiophila</i>								0.1	0.1					0.1	0.1				0.1																														0.1	

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<i>Goodenia vilmorinae</i>					0.1	0.1												0.1					0.1																											
<i>Gossypium robinsonii</i>																																																		
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>																																																		
<i>Grevillea berryana</i>			0.1	0.1			0.1		0.1		0.5		0.1	0.1															0.1	0.5			0.1						0.1	0.1			0.1	0.1						
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>					0.1																																													
<i>Grona filiformis</i>																																																		
<i>Grona muelleri</i>																																																		
<i>Hakea chordophylla</i>					0.1					0.1				0.5					0.1				0.1																											
<i>Hakea lorea</i> subsp. <i>lorea</i>				0.1			0.1											0.1			2	0.1		0.1			0.1		0.1			0.1				1				0.1						1				
<i>Haloragis ?gossei</i>																																																		
<i>Haloragis gossei</i>																																																		
<i>Haloragis gossei</i> var. <i>gossei</i>																																																		
<i>Haloragis maierae</i>																																																		
<i>Haloragis odontocarpa</i>																																																		
<i>Haloragis</i> sp.														0.1																																				
<i>Heliotropium chrysocarpum</i>																																																		
<i>Heliotropium conocarpum</i>																																																		
<i>Heliotropium cunninghamii</i>																									0.1				0.1			0.1					0.1										0.1			
<i>Heliotropium heteranthum</i>																																																		
<i>Heliotropium inexplicitum</i>						0.1				0.1		0.1	0.1			0.1													0.1																					
<i>Heliotropium pachyphyllum</i>																																																		
<i>Heliotropium skeleton</i>												0.1																																						
<i>Heliotropium tanythrix</i>					0.1																						0.1	0.1																			0.1	0.1	0.1	0.1
<i>Hibiscus brachysiphonius</i>																																																		
<i>Hibiscus burtonii</i>		0.1	0.1	0.1	0.1		0.1		0.1		0.1	0.1						0.1	0.1								0.1																							
<i>Hibiscus ?coatesii</i>				0.1																																														
<i>Hibiscus coatesii</i>		0.1	0.1		0.1					0.1		0.1		0.1					0.1					0.1																										
<i>Hibiscus leptocladus</i>																																																		
<i>Hibiscus</i> sp.	0.1																																																	
<i>Hibiscus</i> sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2																																																		
<i>Hibiscus sturtii</i>					0.1									0.1																																				
<i>Hibiscus sturtii</i> var. <i>campyloclamys</i>				0.1						0.1								0.1																																
<i>Hibiscus sturtii</i> var. <i>platyklamys</i>																0.1																																		
<i>Hibiscus sturtii</i> var. <i>truncatus</i>																																																		
<i>Hibiscus verdcourtii</i>															0.1						0.1																													
<i>Indigostrum parviflorum</i>																																																		

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<i>Indigofera georgei</i>																																																					
<i>Indigofera gilesii</i> P3																																																					
<i>Indigofera linifolia</i>						0.1											0.1			0.1	1	0.1		0.1		0.1								0.1	0.1	0.1				0.1	0.1			0.1									
<i>Indigofera linnaei</i>																																																					
<i>Indigofera monophylla</i>				0.1	0.1			0.1		0.1		0.1	0.1	0.1		0.1			0.1																		0.1																
<i>Ipomoea lonchophylla</i>		0.1															0.1			0.1	0.1	0.1		0.1											0.1								0.1										
<i>Ipomoea muelleri</i>																										0.1																											
<i>Ipomoea polymorpha</i>																																																					
<i>Ipomoea racemigera</i> P2																																																					
<i>Ipomoea</i> sp.																																																					
<i>Ischaemum albobilosum</i>																					0.1																																
<i>Iseilema aff. membranaceum</i>																																																					
<i>Iseilema dolichotrichum</i>						0.1																																															
<i>Iseilema eremaicum</i>																												0.1											0.1														
<i>Iseilema membranaceum</i>		0.1							0.1																																							1					
<i>Iseilema vaginiflorum</i>				0.1										5		0.1	0.5	0.5		0.1	0.5	0.5		0.1	1	0.1		1		40		3	4									35	0.1										
<i>Isolepis</i> sp.																																																					
<i>Isotropis atropurpurea</i>																																																					
<i>Isotropis iophyta</i>		0.1					0.1																																								0.1						
<i>Isotropis parviflora</i> P2																																																					
<i>Jasminum didymum</i> subsp. <i>lineare</i>						0.1													0.1																																		
<i>Josephinia eugeniae</i>																																																					
<i>Leichhardtia australis</i>			0.1																					0.1																							0.1						
<i>Lepidium</i> sp.																																																					
<i>Lotus cruentus</i>																					0.1																													0.1			
<i>Maireana carnosa</i>																																																					
<i>Maireana georgei</i>																																																					
<i>Maireana melanocoma</i>																																																					
<i>Maireana planifolia</i>																	0.1																																				
<i>Maireana planifolia</i> x <i>villosa</i>																																																					
<i>Maireana</i> sp.																																																					
<i>Maireana thesioides</i>																																																					
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>		0.1		0.1			0.1				0.1							0.1								0.1																											
<i>Maireana triptera</i>																																																					
<i>Maireana ?villosa</i>																																																					
<i>Maireana villosa</i>							0.1		0.1		0.1														0.1																												

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<i>Malvaceae</i> sp.																																																					
* <i>Malvastrum americanum</i>														0.1		0.1						0.1		0.1						0.1			0.1		0.1																		
<i>Marsilea ?hirsuta</i>																																																					
<i>Marsilea hirsuta</i>															0.1		0.1																														0.1						
<i>Melaleuca eleuterostachya</i>																																																					
<i>Melhania oblongifolia</i>																															0.1								0.1														
<i>Mimulus gracilis</i>																																																					
<i>Minuria integerrima</i>																		0.1																																			
<i>Mirbelia viminalis</i>														0.1																											0.1												
<i>Monachather paradoxus</i>											0.1																																										
<i>Neptunia dimorphantha</i>														0.1		0.1					0.1	0.1	0.5				0.1								0.1																		
<i>Nicotiana benthamiana</i>																																																					
<i>Nicotiana ?occidentalis</i>																																																					
<i>Nicotiana occidentalis</i>																																																					
<i>Nicotiana ?simulans</i>				0.1																																																	
<i>Nicotiana simulans</i>																																																					
<i>Nicotiana</i> sp.																																																					
<i>Notoleptopus decaisnei</i>																																																					
<i>Notoleptopus decaisnei</i> var. <i>decaisnei</i>																																																					
<i>Operculina aequisepala</i>																																																					
<i>Ophioglossum lusitanicum</i>																																																					
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2																																																					
<i>Panicum decompositum</i>				0.1														0.1	0.1									0.1																									
<i>Panicum effusum</i>					0.1			0.1												0.1					1			0.1																					0.1				
<i>Panicum laevinode</i>														0.1		0.1					0.1	0.1	0.1																									0.1					
<i>Panicum</i> sp.																																																			0.5		
? <i>Paraneurachne muelleri</i>																																																					
<i>Paraneurachne muelleri</i>	0.1		0.1	0.1	0.1	0.1		0.1		0.1		0.1	0.1	0.1		0.1							0.1																									0.1	0.1				
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1																																																					
<i>Paspalidium basicladum</i>																																																			0.1		
<i>Paspalidium clementii</i>	0.1	0.1	0.1			0.1				0.1	0.1		0.1	0.1		0.1									0.1																							0.1	0.1				
<i>Paspalidium rarum</i>																										0.1			0.1																					0.1		0.1	0.1
<i>Peplidium maritimum</i>																																																					
<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)																																																					
<i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)																																																					

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<i>Peripleura arida</i>																																																
<i>Peripleura virgata</i>					0.1					0.1		0.1																																				
<i>Perotis rara</i>		0.1					2		0.1		0.1	0.1				0.1	0.1							0.1	0.1	0.1		0.1				0.1	0.1	0.1		0.1		0.1		0.1	0.1	1	0.1	0.1				
<i>Petalostylis labicheoides</i>														0.1																								0.1										
<i>Phyllanthus erwinii</i>																																																
<i>Phyllanthus maderaspatensis</i>																	0.1			0.1		0.1																										
<i>Pimelea holroydii</i>															0.1																																	
<i>Plantago cunninghamii</i>																																																
<i>Pluchea dentex</i>																																																
<i>Poaceae sp.</i>																																																
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>							0.1	0.1																0.1																					0.1			
<i>Polycarpaea holtzei</i>								0.1																																								
<i>Polycarpaea longiflora</i>																																																
<i>Polygala ?glaucofolia</i>																																																
<i>Polygala glaucifolia</i>			0.1								0.1										0.1							0.1								0.1	0.1	0.1					0.1					
<i>Polygala sp.</i>																																																
<i>Polymeria ambigua</i>																																																
<i>Polymeria longifolia</i>																																																
<i>Portulaca cyclophylla</i>																																																
<i>Portulaca filifolia</i>									0.1																																							
<i>Portulaca intraterranea/oleracea</i>																																																
<i>Portulaca ?oleracea</i>																																																
<i>Portulaca oleracea</i>		0.1					0.1	0.1			0.1					0.1				0.1				0.1																					0.1		0.1	
<i>Prostanthera albiflora</i>																																																
<i>Psyrax latifolia</i>			0.1	0.1					0.1		0.1			0.5																																0.1		
<i>Psyrax rigidula</i>																																																
<i>Psyrax suaveolens</i>	0.1	0.1	0.1	0.1			0.1				0.1																																		0.1		0.1	
<i>Pterocaulon serrulatum</i>																										0.1																						
<i>Pterocaulon sp.</i>								0.1																		0.1																						
<i>Pterocaulon sphacelatum</i>					0.1						0.1			0.1	0.1	0.1				0.1		0.1	0.1															0.1								0.1		
<i>Pterocaulon sphaeranthoides</i>			0.1																0.1																										0.1			
<i>Ptilotus aervoides</i>																																																
<i>Ptilotus astrolasius</i>	0.1				0.1																																									0.1		
<i>Ptilotus auriculifolius</i>																																																
<i>Ptilotus calostachyus</i>	0.1		0.1		0.1		0.1	0.1		0.1		0.1		0.1		0.1								0.1																				0.1	0.1			
<i>Ptilotus ?carinatus</i>																																																

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<i>Ptilotus carinatus</i>																																															
<i>Ptilotus clementii</i>	0.1	0.1													0.1								0.1																		0.1						
<i>Ptilotus exaltatus</i>	0.1	0.1	0.1		0.1					0.1		0.1	0.1			0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1		0.1	0.1						0.1			
<i>Ptilotus fusiformis</i>												0.1																													0.1						
<i>Ptilotus gaudichaudii</i>		0.1							0.1		0.1						0.1		0.1					0.1													0.1		0.1				0.1	0.1			
<i>Ptilotus gomphrenoides</i>														0.1		0.1						0.1												0.1													
<i>Ptilotus helipteroides</i>		0.1			0.1	0.1					0.1														0.1		0.1															0.1					
<i>Ptilotus incanus</i>																																															
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.1	0.1	0.1	0.1	0.1	3	0.5	0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.5	1	0.1	1		0.1		15	0.1	0.1	6		0.1	0.1		2	0.1	0.1		0.1					
<i>Ptilotus polystachyus</i>		0.1											0.1						0.1																												
<i>Ptilotus roei</i>							0.1		0.1																									0.1								0.1		0.1			
<i>Ptilotus rotundifolius</i>								0.1		0.1						0.5			0.1										0.1											0.1	0.1						
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>									0.1										0.1														0.5				0.5			0.1			0.1	0.1			
<i>Ptilotus</i> sp.																																															
<i>Ptilotus xerophilus</i>											0.1			0.1		0.1	0.1							0.1	0.1			0.1						0.1	0.1	0.1											
<i>Rhagodia eremaea</i>				0.1							0.1			25		1			0.1	0.1	0.1				0.1	0.1	0.1	1		5	4											0.1					
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	0.1		0.1	0.1			0.1		0.1				0.1		0.1								0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
<i>Rhodanthe charsleyae</i>																																															
<i>Rhodanthe margarethae</i>																																															
<i>Rhodanthe propinqua</i>																																															
<i>Rhynchosia minima</i>						0.1															0.1	0.1										0.1				0.1	0.1						0.1				
<i>Roebuckiella similis</i>																																															0.1
<i>Rutidosis helichrysoides</i> subsp. <i>helichrysoides</i>																																															0.1
<i>Salsola australis</i>		0.1				0.1	0.1													0.1		0.1			0.1	0.1	0.1	0.1		0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
<i>Santalum lanceolatum</i>		0.1		0.1	0.1							0.1															0.1										0.1										
<i>Santalum spicatum</i>																																															
<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>																																															
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																																															
<i>Scaevola browniana</i> subsp. <i>browniana</i>												0.1	0.1	0.1																															0.1		
<i>Scaevola parvifolia</i>																																															
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>									0.1										0.1																												
<i>Scaevola spinescens</i>																																															
<i>Schizachyrium fragile</i>					0.1		0.1		0.1		0.1	0.1	0.1		0.1									0.1																				0.1			
<i>Schoenoplectiella dissachantha</i>																0.1																															
<i>Schoenoplectiella laevis</i>																0.1																															

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Taxa	RQ037	RQ038	RQ039	RQ040	RQ041	RQ042	RQ043	RQ044	RQ045	RQ046	RQ047	RQ049	RQ050	RQ051	RQ052	RQ053	RQ056	RQ060	RQ062	RQ063	RQ065	RQ067	RQ075	RQ076	RQ080	RQ081	RQ085	RQ090	RQ091	RQ093	RQ094	RQ095	RQ097	RQ100	RQ102	RQ103	RQ104	RQ105	RQ107	RQ109	RQ110	RQ111	RQ114	RQ117							
<i>Sclerolaena aff. diacantha</i>																																																			
<i>Sclerolaena cornishiana</i>						0.1	0.1																																												
<i>Sclerolaena cuneata</i>																																																			
<i>Sclerolaena densiflora</i>																																																			
<i>Sclerolaena tetragona</i>																																											0.1								
<i>Senna artemisioides</i> subsp. <i>filifolia</i>						1								0.1		0.1																													0.1						
<i>Senna artemisioides</i> subsp. <i>helmsii</i>												0.1											0.1																						0.1						
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>						0.1				0.1				0.1				0.1																												0.1					
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>		0.1			0.5																																														
<i>Senna artemisioides</i> subsp. <i>petiolaris</i>																																																			
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>										0.1													0.1				0.1				0.5				0.1	0.1		0.1													
<i>Senna artemisioides</i> subsp. x <i>sturtii</i>																																																			
<i>Senna ferraria</i>										0.1				0.1																																					
<i>Senna glaucifolia</i>	0.1		0.1									0.1	0.1			0.1								0.1																			0.1	0.1	0.1						
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.25							0.1					0.1	0.1		0.1								0.1																						0.1					
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>	0.25							0.1		0.1				0.1		0.1				0.1																											0.1				
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.25				0.1	0.1				0.1			0.1	0.1		0.1							0.1								0.1														0.1	0.1					
<i>Senna hamersleyensis</i>																																																			
<i>Senna notabilis</i>		0.1	0.1						0.1		0.1	0.1		0.1						0.1																									0.1	0.1		0.1	0.1		
<i>Senna pleurocarpa</i> var. <i>angustifolia</i>																																																			
<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>																																																			
<i>Senna sericea</i>								0.1																																											
<i>Senna</i> sp.																																																			
<i>Senna stricta</i>																																																			
<i>Senna stricta</i> x <i>glutinosa</i>																																																			
<i>Senna venusta</i>																																																		0.1	
<i>Seringia exastia</i>						0.5									0.5																																		0.1		
<i>Seringia nephrosperma</i>																																																			
<i>Seringia</i> sp.																																																			
<i>Setaria dielsii</i>		0.1													0.1		0.1								0.1						10		0.1	0.1															1		
<i>Setaria surgens</i>		0.1		0.1			0.1																																												
* <i>Setaria verticillata</i>		0.1															0.1								0.1			0.1	0.1							0.1		0.1										0.5			
<i>Sida ?arenicola</i>						0.1																																													
<i>Sida arenicola</i>				0.1				0.1				0.1	0.1	0.1										0.1																									0.1		
<i>Sida arsinata</i>																																																			
<i>Sida calyxhymenia</i>																																																			

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<i>Sida cardiophylla</i>												0.1																																						
<i>Sida ?clementii</i>																																																		
<i>Sida ?echinocarpa</i>																																																		
<i>Sida echinocarpa</i>																0.1								0.1																										
<i>Sida ectogama</i>			0.5						0.5		0.1																																	0.1						
<i>Sida ?fibulifera</i>																																																		
<i>Sida fibulifera</i>		0.1	0.1			0.1	0.1							0.1		0.1		0.1	0.1	0.5	1		0.1	0.1	0.1	0.1			0.1			0.1		0.1	2		0.1			0.1	0.1		0.1	0.1						
<i>Sida platycalyx</i>			0.1				0.1		0.1																					0.1											0.1		0.1	0.1						
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>																				0.1																				0.1										
<i>Sida</i> sp.																																																		
<i>Sida</i> ?sp. dark green fruits (S. van Leeuwen 2260)				0.1																																														
<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)									0.1																																									
<i>Sida</i> sp. Excedentifolia (J.L. Egan 1925)	0.1							0.1		0.1		0.1							0.1					0.1														0.1	0.1											
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)											0.1		0.1																		0.1											0.1					0.1			
<i>Sida spinosa</i>																	0.1						0.1							0.1																				
<i>Sida</i> sp. L (A.M. Ashby 4202)					0.1						0.1														0.1					0.1															0.1					
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)															0.1									0.1																		0.1								
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)																																																		
<i>Sida</i> ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)																																																		
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)																																																		
<i>Sida</i> sp. tiny glabrous fruit (A.A. Mitchell PRP1152)																		0.1																																
<i>Sida trichopoda</i>																																																		
<i>Solanum centrale</i>								0.1		0.1				0.1																																	0.1			
<i>Solanum cleistogamum</i>			0.1									0.1				0.1			0.1					0.1																										
<i>Solanum ferocissimum</i>																																																		
<i>Solanum horridum</i>										0.1																																								
<i>Solanum lasiophyllum</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				
<i>Solanum ?phlomoides</i>																																																		
<i>Solanum phlomoides</i>																																																		
<i>Solanum</i> sp.																																																		
<i>Spermacoce brachystema</i>			0.1				0.1		0.1		0.1	0.1																0.1																	0.1	0.1	0.1		0.1	
<i>Sporobolus australasicus</i>						0.1						0.1				0.1								0.1		0.1																								
<i>Stackhousia ?intermedia</i>								0.1						0.1																																				
<i>Stackhousia muricata</i> subsp. annual (W.R. Barker 2172)																																																		
<i>Stackhousia</i> ?sp. swollen gynophore (W.R. Barker 2041)																																																		

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Taxa	RQ037	RQ038	RQ039	RQ040	RQ041	RQ042	RQ043	RQ044	RQ045	RQ046	RQ047	RQ049	RQ050	RQ051	RQ052	RQ053	RQ056	RQ060	RQ062	RQ063	RQ065	RQ067	RQ075	RQ076	RQ080	RQ081	RQ085	RQ090	RQ091	RQ093	RQ094	RQ095	RQ097	RQ100	RQ102	RQ103	RQ104	RQ105	RQ107	RQ109	RQ110	RQ111	RQ114	RQ117					
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)																																																	
<i>Stemodia grossa</i>					0.1					0.1		0.1			0.1				0.1																														
<i>Stemodia</i> sp.																																																	
<i>Stenopetalum nutans</i>																																			0.1		0.1				0.1		0.1						
<i>Streptoglossa adscendens</i>																																																	
<i>Streptoglossa bubakii</i>																0.1	0.1																																
<i>Streptoglossa decurrens</i>																								0.1																									
<i>Streptoglossa</i> sp.																																																	
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3																																																	
<i>Striga squamigera</i>																																																	
<i>Stylobasium spathulatum</i>	0.1											0.1																																					
<i>Swainsona canescens</i>																																														0.1			
<i>Swainsona decurrens</i>																																												0.1					
<i>Swainsona formosa</i>																																																	
<i>Swainsona kingii</i>																									0.1																								
<i>Swainsona thompsoniana</i> P3																																																	
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>																																																	
<i>Synostemon rhytidospermus</i>																																																	
<i>Templetonia egena</i>																																																	
<i>Tephrosia densa</i>																																																	
<i>Tephrosia oxalidea</i>										0.1																														0.1									
<i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186)																																																	
<i>Tephrosia</i> sp.																																																	
<i>Tephrosia</i> sp. clay soils (S. van Leeuwen et al. PBS 0273)																																																	
<i>Tephrosia supina</i>	0.1																																																
<i>Teucrium teucriiflorum</i>					0.1									0.1																																			
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3																								0.5																									
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)																																																	
<i>Themeda triandra</i>		2		0.1	0.5	0.1	0.1	1.5	0.1	0.1				0.1		1						5		0.1			1			1			0.1	0.1		1			0.1				0.5		32				
<i>Themeda triandra</i> /sp. Hamersley Station (M.E. Trudgen 11431)																									0.1																								
<i>Thyridolepis xerophila</i>											0.1																																						
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>					0.1																																												
<i>Tragus australianus</i>																																																	
<i>Trianthema glossostigmum</i>			0.1		0.1			0.1			0.1			0.1																														0.1					
<i>Trianthema triquetrum</i>																																																	

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<i>Tribulus astrocarpus</i>		0.1					0.1																	0.1	0.1																												
<i>Tribulus hirsutus</i>																																																					
<i>Tribulus suberosus</i>																0.1																																					
* <i>Tribulus terrestris</i>																				0.1																																	
<i>Tribulus ?terrestris</i>																																																					
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.1			0.1					0.1		0.1							0.1																																		
<i>Tricoryne</i> sp. Hamersley Range (S. van Leeuwen 915)																																																					
<i>Trigonella suavissima</i>																																																					
<i>Triodia angusta</i>																																																					
<i>Triodia brizoides</i>																																																					
<i>Triodia longiceps</i>																																																					
<i>Triodia melvillei</i>							0.1											20																																			
<i>Triodia pungens</i>	0.1	1	1	7.5	1			0.1	1	5	0.1	45		1	10				45																													0.5	18				
<i>Triodia vanleeuwenii</i>	25			0.1	15			35	45			5	15	27	30																																	15	0.1				
<i>Triodia wiseana</i>						3	0.1		0.1				17		25																																			15			
<i>Tripogonella loliiformis</i>									0.1																																												
<i>Triraphis mollis</i>																																																					
<i>Triumfetta maconochieana</i>																																																					
<i>Urochloa occidentalis</i> var. <i>ciliata</i>																	0.5				0.5			5			7			0.1				15	55														0.1				
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>															0.1									0.1																													
<i>Urochloa piligera</i>		0.1																																																			
* <i>Vachellia farnesiana</i>																																																					
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																																																					
<i>Vigna</i> sp.																																																					
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)															0.1	0.1								0.1	0.5	0.1	0.1					0.1	0.1																				0.1
<i>Vincetoxicum lineare</i>					0.1																				0.1																												
<i>Vittadinia dissecta</i> var. <i>hirta</i>																																																					
<i>Wahlenbergia</i> sp.																																																					
<i>Wahlenbergia tumidiflora</i>																																																					
<i>Waltheria indica</i>									0.1																																												
<i>Waltheria virgata</i>																																																					
<i>Yakirra australiensis</i>																																																					
<i>Yakirra australiensis</i> var. <i>australiensis</i>																																																					

? denotes unconfirmed ID

* denotes weed species

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<i>Abutilon ?amplum</i>																																																
<i>Abutilon amplum</i>																																																
<i>Abutilon cryptopetalum</i>			0.1					0.1																																								
<i>Abutilon ?cunninghamii</i>																																																
<i>Abutilon cunninghamii</i>											0.1																																					
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>						0.1						0.1																																				
<i>Abutilon ?lepidum</i>																																																
<i>Abutilon lepidum</i>	0.1										0.1																0.1																					
<i>Abutilon macrum</i>	0.1												0.1																																			
<i>Abutilon malvifolium</i>							0.1																																									
<i>Abutilon otocarpum</i>	0.1		0.1				0.1								0.1	0.1	0.1	0.1		0.1				0.1				0.1					0.1											0.1				
<i>Abutilon</i> sp.																																																
<i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618)																																																
<i>Acacia adoxa</i> var. <i>adoxo</i>										0.1													1		0.1	3				0.5	0.1	0.1		0.5				0.1	1	0.5				0.1				
<i>Acacia ?adsurgens</i>																																																
<i>Acacia adsurgens</i>				0.1																					0.1	0.5				0.1		0.1				0.1			0.1	0.1	0.1				0.1			
<i>Acacia ancistrocarpa</i>																						0.1																						0.1				
<i>Acacia aneura</i>	0.1																																															
<i>Acacia aptaneura</i>	4	2	10	0.1	1	1	0.5	2	5		0.1		0.5			0.5	2	0.5	25	2		0.1	6	0.1		0.5	1	15	4			0.1	0.5		0.1					0.1	1	1						
<i>Acacia arida</i>																																																
<i>Acacia atkinsiana</i>																																																
<i>Acacia ayersiana</i>																						0.1					0.1	7																				
<i>Acacia bivenosa</i>										0.5	0.1	0.1		0.1							0.5					0.1	0.1			0.1	0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1		0.5			0.1			
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>			9					7				0.1		0.1			2						3				1	15					0.1										1					
<i>Acacia citrinoviridis</i>																											3																					
<i>Acacia colei</i> var. <i>colei</i>																																																
<i>Acacia cowleana</i>																										0.1						0.1								0.1						0.1		
<i>Acacia dictyophleba</i>		0.1		0.1																																										0.1		
<i>Acacia elachantha</i>																																														0.1		
<i>Acacia hamersleyensis</i>											0.1													0.1						0.1	0.1								0.1						0.1			
<i>Acacia hilliana</i>																								0.5		0.1	17						0.5		0.5													
<i>Acacia inaequilatera</i>																											0.1					0.1													0.1			
<i>Acacia incurvaneura</i>								2				0.1																																				
<i>Acacia kempeana</i>																																																
<i>Acacia macraneura</i>																																																
<i>Acacia maitlandii</i>																								0.1		0.1						0.1		0.1		0.5	0.1	0.1	0.1		0.5							

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<i>Acacia marramamba</i>																					0.1																													
<i>Acacia monticola</i>																									0.1	0.1																	0.1							
<i>Acacia mulganeura</i>																																																		
<i>Acacia orthocarpa</i>																																																		
<i>Acacia pachyacra</i>																0.1											0.1	0.1																						
<i>Acacia pruinocarpa</i>	1	3	4			0.1		4			0.1	0.1	2	0.1		1	0.1					0.1	0.1	5			3	0.1			0.1	0.1			0.1					0.1		0.1								
<i>Acacia pteraneura</i>															0.2																																			
<i>Acacia pyrifolia</i>																																																		
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>																							0.1		0.1					0.1				0.1	0.1		0.1													
<i>Acacia rhodophloia</i>																							2			0.1						0.1			0.1								0.1							
<i>Acacia rhodophloia</i> x <i>adsurgens</i>																																																		
<i>Acacia rhodophloia</i> x ? <i>sibirica</i>																																																		
<i>Acacia rhodophloia</i> x <i>sibirica</i>																							2																											
<i>Acacia sibirica</i>		0.1				1				0.5	0.1		0.1	0.1								1	0.1			0.1	0.1																0.1			0.1				
<i>Acacia spondylophylla</i>																																																		
<i>Acacia subtiliformis</i> P3																																																		
<i>Acacia synchronicia</i>																																																		
<i>Acacia tenuissima</i>				0.1						0.1		0.1		0.1								0.1										0.1					0.1			0.1							0.1			
<i>Acacia tetragonophylla</i>	0.1	0.1			0.1		0.1	0.1					0.1										0.1	0.1								0.1	0.1										0.5		3					
<i>Acacia trudgeniana</i>																															0.1	0.5								0.1		0.1						0.5		
<i>Acacia tumida</i> var. <i>pilbarensis</i>																																																		
<i>Acrachne racemosa</i>																																																		
<i>Adriana tomentosa</i>																0.1																																		
<i>Afrohybanthus aurantiacus</i>								0.1															0.1				0.1					0.1	0.1								0.1									
<i>Alloteropsis cimicina</i>																																																		
<i>Alternanthera angustifolia</i>						0.1		0.1											0.1	0.1																														
<i>Alternanthera denticulata</i>																																																		
<i>Alternanthera nana</i>																																																		
<i>Amaranthus cuspidifolius</i>																																																		
<i>Amaranthus undulatus</i>																																																		
<i>Ammannia multiflora</i>																																																		
<i>Amphipogon sericeus</i>		0.1		0.1		0.1				0.1		0.1		0.1								0.2	0.1	0.1			0.1				0.1	0.1	0.5		0.1			0.1	0.1	0.1	0.1					0.1				
<i>Amyema hilliana</i>																																																		
<i>Amyema</i> sp.																																																		
<i>Androcalva loxophylla</i>				2.5																													7	1							0.1									
<i>Androcalva luteiflora</i>																2							0.1				0.1						0.1	0.1		0.1														

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<i>Anthobolus leptomerioides</i>		0.1				0.1	0.1	2																																	0.1	0.1							
<i>Areocleome oxalidea</i>															0.1		0.1	0.1																									0.1						
<i>Aristida contorta</i>	0.1	0.1	0.1		4	0.1	0.1	0.5	0.1	0.1		0.1		0.1	15	0.1	1	1.5	0.5	12	0.1			0.1			0.1	0.1	0.1			0.1	0.1	4	0.1							0.1	0.1	3	0.1				
<i>Aristida holathera</i> var. <i>holathera</i>		0.1	0.1	0.1												0.1					0.1										0.1																		
<i>Aristida ?inaequiglumis</i>																																																	
<i>Aristida inaequiglumis</i>				0.1					0.2									0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1										0.1				0.1								
<i>Aristida ?ingrata</i>																																																	
<i>Aristida ingrata</i>	0.1		0.1													0.1										0.1																							
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3						0.1														0.1																													
<i>Aristida latifolia</i>							6	0.1				0.1																		3		0.1																	
<i>Aristida lazaridis</i> P2																																																	
<i>Aristida nitidula</i>																																																	
<i>Aristida obscura</i>		0.1	2					0.1	0.1										0.1	0.1				0.1			0.1	0.5	0.1														0.1						
<i>Aristida pruinosa</i>																	0.5																																
<i>Aristida</i> sp.					0.1																																												
<i>Arivela viscosa</i>	0.1		0.1		0.1	0.1			0.1				0.1			0.1	0.1		0.1	0.1				0.1	0.1				0.1	0.1																			
<i>Asteraceae</i> sp.																																															0.1		
<i>Astrebla elymoides</i>							0.5																																										
<i>Astrebla pectinata</i>																																																	
? <i>Astrebla</i> sp.								0.1																																									
<i>Astrotricha hamptonii</i>																																																	
<i>Atriplex ?bunburyana</i>																																																	
<i>Atriplex codonocarpa</i>																																																	
<i>Austrobryonia pilbarensis</i>																													0.1	0.1																			
<i>Bergia ?pedicellaris</i>																																																	
<i>Bergia pedicellaris</i>							0.1																																										
* <i>Bidens bipinnata</i>	0.1		1		0.1	0.1		1	0.1				0.1			0.1	0.1		2	0.2				0.1	0.1		0.1	0.1	1	1																0.1			
<i>Blumea tenella</i>							0.1		0.1											0.1																													
<i>Boerhavia burbridgeana</i>																																																	
<i>Boerhavia coccinea</i>	0.1		0.1		0.1								0.1							0.1				0.1	0.1				0.1																		0.1		
<i>Boerhavia gardneri</i>																																																	
<i>Boerhavia paludosa</i>							0.1																																										
<i>Boerhavia repleta</i>	0.1														0.1					0.1									0.1																		0.1		
<i>Boerhavia schomburgkiana</i>			0.1																										0.1																				
<i>Bonamia erecta</i>																																	0.5																
<i>Bonamia pilbarensis</i>																																																	

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<i>Bothriochloa ewartiana</i>																																																			
<i>Bothriochloa</i> sp.																																																			
<i>Brachychiton acuminatus</i>																																																			
<i>Brunonia australis</i>																	0.1																																		
<i>Bulbine pendula</i>																																																			
<i>Bulbostylis barbata</i>							0.1																0.1		0.1																										
<i>Bulbostylis turbinata</i>									0.1														0.1																				0.1								
<i>Calandrinia ptychosperma</i>																																																			
<i>Calandrinia ?pumila</i>																	0.1																																		
<i>Calandrinia pumila</i>									0.1																																										
<i>Calandrinia reticulata</i>																		0.1																																	
<i>Calandrinia stagnensis</i>																																											0.1	0.1							
<i>Calocephalus pilbarensis</i>																																																			
<i>Calotis latiuscula</i>																																																			
<i>Calotis plumulifera</i>																																																			
<i>Calytrix carinata</i>																											0.1				0.1																				
<i>Capparis lasiantha</i>						0.1							0.1												0.1	0.1																		0.1							
<i>Capparis spinosa</i> subsp. <i>nummularia</i>																																																			
<i>Cassytha capillaris</i>																																																			
* <i>Cenchrus ciliaris</i>			0.1					0.1					0.1			0.1				0.1																															
* <i>Cenchrus setiger</i>																																																			
<i>Centipeda minima</i>																																																			
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																																																			
<i>Cheilanthes brownii</i>																										0.1																									
<i>Cheilanthes lasiophylla</i>																																																			
<i>Cheilanthes sieberi</i>	0.1		0.1												0.1		0.1										0.1																								
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>						0.1		0.5	0.1									0.1		0.1			0.1	0.1						0.1																		0.1			
<i>Chloris ?barbata</i>																																																			
* <i>Chloris virgata</i>							0.1																								0.1																			0.1	
<i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>																																																			
<i>Chrysocephalum gilesii</i>						0.1			0.1	0.1							0.1					0.1																													
<i>Chrysocephalum pterochaetum</i>																							0.1																										0.1		
<i>Chrysopogon fallax</i>	0.1		1		1		1	0.1	0.5				0.1						0.1		5			1				0.1	3	0.1										0.1							0.1				
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>																										0.1	0.1																								
<i>Clerodendrum floribundum</i> var. <i>floribundum</i>																																																			

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<i>Clerodendrum tomentosum</i>																																																	
<i>Codonocarpus cotinifolius</i>										0.1															0.1	0.1		0.1													0.1	0.1				0.1			
<i>Commelina ensifolia</i>	0.1		0.1													0.1			0.1							0.1		0.1																					
<i>Convolvulaceae sp.</i>																																															0.1		
<i>Convolvulus clementii</i>			0.1				0.1		0.1																					0.1																			
<i>Convolvulus remotus</i>																																																	
<i>Corchorus lasiocarpus subsp. parvus</i>										0.1												0.1	0.1	0.1		0.1	0.1					1	0.1	0.1		0.1	0.5	0.1	0.1	0.1		0.1			0.1				
<i>Corchorus parviflorus</i>																																																	
<i>Corchorus sidoides</i>																0.1																																	
<i>Corchorus sp.</i>																																																	
<i>Corchorus tridens</i>																																																	
<i>Corymbia candida</i>																	0.1																																
<i>Corymbia deserticola subsp. deserticola</i>		0.5		0.1																	0.2	1				1	0.5						0.1								0.5	0.5				1			
<i>Corymbia ferritcola</i>																															0.5																		
<i>Corymbia hamersleyana</i>														0.1									0.5			4					1	1			5					0.5		0.1							
<i>Crotalaria medicaginea var. neglecta</i>																																																	
<i>Cryptandra monticola</i>																																																	
<i>Cucumis melo</i>			0.1						0.1							0.1												0.1	0.1																				
<i>Cucumis variabilis</i>	0.1						0.1									0.1									0.1																								
<i>Cullen cinereum</i>																																																	
<i>Cullen graveolens</i>							0.1																																										
<i>Cullen pogonocarpum</i>																																																	
<i>Cymbopogon ambiguus</i>	0.1	0.1		0.1	0.1							0.1		0.1		0.1						0.1	0.1		0.1						0.1				0.1	0.1	0.1				0.1	0.1	0.1						
<i>Cymbopogon obtectus</i>																																																	
<i>Cymbopogon sp.</i>																																																	
<i>Cynanchum floribundum</i>																																																	
<i>Cynanchum pedunculatum</i>																																																	0.1
<i>Cynanchum viminale subsp. australe</i>																																																	
<i>Cynodon convergens</i>							0.5																							0.1																			
<i>Cynodon prostratus</i>																																																	
<i>Cyperus bulbosus</i>										0.1																																							
<i>Cyperus iria</i>							0.1		0.1																																								
<i>Cyperus pulchellus</i>																																																	
<i>Cyperus squarrosus</i>										0.1																																							
<i>Dactyloctenium radulans</i>	0.1		0.1						0.1						0.1	0.1		0.1											0.1																				0.1
<i>Dampiera candidans</i>												0.1											0.1																										

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<i>Dichanthium sericeum</i>																																															
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>			0.1				1																					0.1																	1		
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>									0.1																																						
<i>Dicrasyli cordifolia</i>																																															
<i>Digitaria ammophila</i>		0.1							0.1	0.1					0.1	0.1	0.1			0.1	0.1		0.1																								
<i>Digitaria brownii</i>																0.1												0.1																	0.1		
? <i>Digitaria ctenantha</i>																																															
<i>Digitaria ctenantha</i>	0.1		2			0.1		0.1	0.1				0.5	0.1				0.1	0.5	0.1							0.1	0.5																			
<i>Diplopeltis stuartii</i> var. <i>stuartii</i>																																															
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>																																															
<i>Dodonaea coriacea</i>																							0.1			0.1													0.1	0.1		0.1					
<i>Dodonaea lanceolata</i> var. <i>lanceolata</i>																																															
<i>Dodonaea pachyneura</i>																																															
<i>Dodonaea</i> ? <i>petiolaris</i>																											0.1																				
<i>Dodonaea petiolaris</i>																						0.1																									
<i>Dodonaea</i> sp.																																															
<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>																																															
<i>Dolichocarpa crouchiana</i>																											0.1																				
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3																																															
<i>Duma florulenta</i>																																															
<i>Duperreya commixta</i>	0.1	0.1	0.1	0.1		0.1			0.1	0.1			0.1	0.1		0.1						0.1	0.1			0.1	0.1			0.1	0.1		0.5		0.1	0.1			0.1		0.1	0.1					
<i>Dysphania glomulifera</i> subsp. <i>eremaea</i>									0.1								0.1																														
<i>Dysphania kalpari</i>																																															
<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>																																															
<i>Dysphania melanocarpa</i> forma <i>melanocarpa</i>																																															
<i>Dysphania rhadinostachya</i>																																															
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>																																															
<i>Dysphania</i> sp.																																															
<i>Elytrophorus spicatus</i>							0.1																																								
<i>Enchylaena</i> sp.																																															
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	0.1		0.1										0.1																0.1																		
<i>Enchylaena tomentosa</i> x <i>Maireana georgei</i>																																															
<i>Enneapogon avenaceus</i>																																															
<i>Enneapogon caeruleus</i>		0.1				0.1				0.1			1												0.1			0.1																			
<i>Enneapogon</i> ? <i>lindleyanus</i>																																															

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<i>Enneapogon lindleyanus</i>								0.1					1																													0.1								
<i>Enneapogon polyphyllus</i>	0.1		10	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1	1.5	0.1	0.1	0.1	0.1	0.1	12	0.1	0.1			0.1	0.1		0.1	0.1	30	0.1			0.1	0.1	0.1	0.1			0.1			0.1		0.1	0.1					
<i>Enneapogon robustissimus</i>	0.1															0.1							0.1																			0.1								
<i>Enneapogon sp.</i>																																																		
<i>Enteropogon ramosus</i>																																										0.1	0.1							
<i>Eragrostis cumingii</i>									0.1											0.1																								0.1						
<i>Eragrostis desertorum</i>																																																		
<i>Eragrostis dielsii</i>																																																		
<i>Eragrostis eriopoda</i>																																																		
<i>Eragrostis leptocarpa</i>																																																		
<i>Eragrostis pergracilis</i>									0.5									0.1						0.1																										
<i>Eragrostis setifolia</i>							0.5																	0.1			0.1	0.1																						
<i>Eragrostis setifolia x xerophila</i>			0.1																																															
<i>Eragrostis sp.</i>			0.1		0.1																																													
<i>Eragrostis sp.</i> Mt Robinson (S. van Leeuwen 4109) P1																																																		
<i>Eragrostis tenellula</i>							0.1																																											
<i>Eragrostis xerophila</i>			0.1																																															
<i>Eremophila caespitosa</i>					3												1	0.1																																
<i>Eremophila clarkei</i>																																																		
<i>Eremophila exilifolia</i>																						0.1																												
<i>Eremophila ?forrestii</i>																																																		
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1				0.5	0.1		0.1					0.1	0.1	0.1									0.1			0.5	0.5					0.1	0.1										0.1						
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>																																																		
<i>Eremophila galeata</i>																																														0.1	3			
<i>Eremophila ?jucunda</i>																																																		
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>																								0.5						0.1	0.1			0.1	0.1		0.1													
<i>Eremophila lachnocalyx</i>																																																		
<i>?Eremophila lanceolata</i>																																																		
<i>Eremophila lanceolata</i>									0.1						0.5								0.1						0.1																					
<i>Eremophila latrobei</i>													0.1	0.1							0.1	0.1																											0.1	
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>	0.1		0.1		0.1										0.1																																			
<i>Eremophila latrobei</i> subsp. <i>glabra</i>																																																		
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>	0.1									0.1		0.1											0.1																											
<i>Eremophila longifolia</i>	0.1					0.1	0.1						0.1	0.1												0.1																							0.1	
<i>Eremophila oppositifolia</i> subsp. <i>angustifolia</i>																																																		
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>																																																		

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<i>Eriachne aristidea</i>																												0.1																						
? <i>Eriachne benthamii</i>																																																		
<i>Eriachne benthamii</i>									28																																									
<i>Eriachne flaccida</i>					0.1		20		0.2									0.1		4																									1					
<i>Eriachne helmsii</i>																										0.1		0.1																						
<i>Eriachne lanata</i>												0.1																				2	0.5	0.1						0.1	0.1	0.1	0.5							
<i>Eriachne mucronata</i>		0.1		0.1						0.1		0.1		0.1		0.1	0.1						0.1	0.1							2	0.1		0.1	0.1		1	0.1	0.1		0.1	0.1								
<i>Eriachne obtusa</i>																																													0.1					
<i>Eriachne pulchella</i>																																																		
<i>Eriachne pulchella</i> subsp. <i>dominii</i>																																															0.1			
<i>Eriachne pulchella</i> subsp. <i>pulchella</i>					0.1													0.1				0.1			0.1		0.1	0.1			0.1		0.1									0.1	0.1							
? <i>Eriachne</i> sp.																																																		
<i>Eriachne tenuiculmis</i>																																																		
<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i>																																																		
<i>Eucalyptus gamophylla</i>		0.1		3						2													0.5				0.5	0.1																						
<i>Eucalyptus kingsmillii</i>																																																		
<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>										0.5		3		1		0.1						1	0.1	1		1		0.1			0.5	0.5					4	8	0.5		1.5	0.5				0.5				
<i>Eucalyptus repullulans</i>						12																																												
<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i>											6		4																																					
<i>Eucalyptus trivalva</i>																																																		
<i>Eucalyptus victrix</i>																															0.5																			
<i>Eucalyptus xerothermica</i>				0.1		0.1																																												
<i>Eulalia aurea</i>																											0.1																			0.1				
<i>Euphorbia australis</i>																																																		
<i>Euphorbia australis</i> var. <i>glabra</i> P3																														0.1	0.1																			
<i>Euphorbia australis</i> var. <i>hispidula</i>	0.1		0.1																							0.1																								
<i>Euphorbia australis</i> var. <i>subtomentosa</i>						0.1																																												
<i>Euphorbia biconvexa</i>	0.1		0.1						0.1				0.1			0.1								0.1																								0.1		
<i>Euphorbia biconvexa</i> /coghlanii/trigonosperma (sterile indet.)						0.1																																												
<i>Euphorbia boophthona</i>																	0.1																																	
<i>Euphorbia boophthona</i> /tannensis																																																		0.1
<i>Euphorbia coghlanii</i>																																																		
<i>Euphorbia drummondii</i>		0.1															0.1		0.1	0.1					0.1																									
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>									0.1											0.1																														
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2																																																		

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<i>Euphorbia</i> sp.																														0.1																			
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>				0.1		0.1							0.1																				0.1																
<i>Euphorbia trigonosperma</i>																												0.1																					
<i>Euphorbia vaccaria</i> var. <i>vaccaria</i>																																																	
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>																																																	
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1					0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1			0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
<i>Exocarpos sparteus</i>																							0.1																										
<i>Ficus brachypoda</i>																																																	
<i>Fimbristylis depauperata</i>																								0.1											0.1						0.1						0.1		
<i>Fimbristylis dichotoma</i>					0.1				0.1						0.1			28		0.1			0.1			0.1	0.1					0.1										0.1	0.1			0.1			
<i>Fimbristylis microcarya</i>																																																	
<i>Fimbristylis simulans</i>																								0.1				0.5															8		0.1			4	
<i>Fimbristylis</i> sp.																																																	
* <i>Flaveria trinervia</i>																																																	
<i>Gastrolobium grandiflorum</i>																																																	
<i>Glycine canescens</i>																																																	
<i>Glycine falcata</i> P3																																																	
<i>Gompholobium oreophilum</i>																								0.1	0.1								2.5	5	0.1			0.1			0.1	0.1	0.1	0.1			0.1		
<i>Gomphrena canescens</i> subsp. <i>canescens</i>	0.1		0.1													0.1															0.1																		
<i>Gomphrena cunninghamii</i>					0.1																																										0.1		
<i>Gomphrena kanisii</i>															0.1		0.1	0.1		0.1																													
<i>Gomphrena lanata</i>									0.1									0.1		0.1									0.1							0.1													
<i>Goodenia connata</i>																																																	
<i>Goodenia cusackiana</i>																																																	0.5
<i>Goodenia lamprosperma</i>					0.1		0.1																																										
<i>Goodenia microptera</i>		0.1																																															0.1
<i>Goodenia muelleriana</i>	0.1	0.1	0.1			0.1	0.1									0.1							0.1																									0.1	
<i>Goodenia ?nuda</i>																																																	
<i>Goodenia nuda</i> P4										0.5																																							
<i>Goodenia pascua</i>																																																	
<i>Goodenia prostrata</i>																0.1		0.1	0.5		0.1																												0.1
? <i>Goodenia</i> sp.																																																	
<i>Goodenia</i> sp.																																																	
<i>Goodenia stellata</i>																																																	
<i>Goodenia stobsiana</i>		0.1		0.1		0.1								0.1		0.1							0.1	0.1							0.1	0.1	0.1					0.1	0.1		0.1	0.1	0.1				0.1		
<i>Goodenia triodiophila</i>		0.1											0.1		0.1								0.1	0.1																								0.1	

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<i>Goodenia vilmorinae</i>				0.1		0.1																										0.1							0.1																	
<i>Gossypium robinsonii</i>																									0.1							0.1									0.1	0.1														
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>																																0.1																								
<i>Grevillea berryana</i>			0.1		0.1			1										0.1							0.5			0.1			0.1		1										0.1													
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>																									0.1						0.1				0.5								0.1													
<i>Grona filiformis</i>																																																								
<i>Grona muelleri</i>																																																								
<i>Hakea chordophylla</i>		0.1		0.1						0.1		0.1										0.1	0.1	0.1		0.1	0.1				0.1	0.1	1			0.1		0.1	0.5	0.1	0.1				0.5											
<i>Hakea lorea</i> subsp. <i>lorea</i>				0.1					0.1				0.1				0.1			0.1				0.1																																
<i>Haloragis ?gossei</i>																																																								
<i>Haloragis gossei</i>																																																								
<i>Haloragis gossei</i> var. <i>gossei</i>																																																								
<i>Haloragis maierae</i>																																																								
<i>Haloragis odontocarpa</i>																																																								
<i>Haloragis</i> sp.																																																								
<i>Heliotropium chrysocarpum</i>																																																								
<i>Heliotropium conocarpum</i>																																																								
<i>Heliotropium cunninghamii</i>																																																								
<i>Heliotropium heteranthum</i>																			0.1																																					
<i>Heliotropium inexplicitum</i>	0.1																																																							
<i>Heliotropium pachyphyllum</i>																																																								
<i>Heliotropium skeleton</i>																																																								
<i>Heliotropium tanythrix</i>																																																								
<i>Hibiscus brachysiphonius</i>																																																								
<i>Hibiscus burtonii</i>	0.1		0.2					0.1								0.1	0.1	0.1						0.1			0.1	0.1	0.1	0.1																										
<i>Hibiscus ?coatesii</i>																																																								
<i>Hibiscus coatesii</i>		0.1								0.1	0.1																																													
<i>Hibiscus leptocladus</i>																																																								
<i>Hibiscus</i> sp.		0.1																																																						
<i>Hibiscus</i> sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2																																																								
<i>Hibiscus sturtii</i>																																																								
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>	0.1		0.1					0.1																																																
<i>Hibiscus sturtii</i> var. <i>platychlamys</i>																																																								
<i>Hibiscus sturtii</i> var. <i>truncatus</i>																																																								
<i>Hibiscus verdcourtii</i>																																																								
<i>Indigastrium parviflorum</i>																																																								

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<i>Indigofera georgei</i>	0.1																																																	
<i>Indigofera gilesii</i> P3																																																		
<i>Indigofera linifolia</i>							0.1																																											
<i>Indigofera linnaei</i>																																																		
<i>Indigofera monophylla</i>				0.1						0.1				0.1			0.1					0.1	0.1	0.1		0.1	0.5	0.1					0.1		0.1				0.1	0.1	0.1			0.1						
<i>Ipomoea lonchophylla</i>																														0.1	1																			
<i>Ipomoea muelleri</i>																																																		
<i>Ipomoea polymorpha</i>																																																		
<i>Ipomoea racemigera</i> P2																																																		
<i>Ipomoea</i> sp.																																																		
<i>Ischaemum albobillosum</i>																																																		
<i>Iseilema</i> aff. <i>membranaceum</i>																																																		
<i>Iseilema dolichotrichum</i>	0.1		0.1													0.1																																		
<i>Iseilema eremaeum</i>																			0.1																											0.1				
<i>Iseilema membranaceum</i>							0.5																																											
<i>Iseilema vaginiflorum</i>							1		0.1									0.1		0.1										5	28																			
<i>Isolepis</i> sp.																																																		
<i>Isotropis atropurpurea</i>																																																		
<i>Isotropis iophyta</i>			0.1																																															
<i>Isotropis parviflora</i> P2																							0.1			0.1																								
<i>Jasminum didymum</i> subsp. <i>lineare</i>																																																0.1		
<i>Josephinia eugeniae</i>																														0.1																				
<i>Leichhardtia australis</i>	0.1																	0.1						0.1																					0.1					
<i>Lepidium</i> sp.						0.1																																												
<i>Lotus cruentus</i>							0.1																																											
<i>Maireana carnosa</i>																																																		
<i>Maireana georgei</i>		0.1																																																
<i>Maireana melanocoma</i>																																																		
<i>Maireana planifolia</i>																																																		
<i>Maireana planifolia</i> x <i>villosa</i>																																																		
<i>Maireana</i> sp.																																																		
<i>Maireana thesioides</i>																																																		
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1		0.1																0.1										0.2	0.1	0.1																			
<i>Maireana triptera</i>																																																		
<i>Maireana ?villosa</i>																																																		
<i>Maireana villosa</i>			0.1				0.1									0.1	0.1	0.1	0.1		0.1				0.1																									

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<i>Malvaceae</i> sp.																																																							
* <i>Malvastrum americanum</i>	0.1																																																						
<i>Marsilea ?hirsuta</i>									0.1																																														
<i>Marsilea hirsuta</i>						0.5																																																	
<i>Melaleuca eleuterostachya</i>																																																							
<i>Melhania oblongifolia</i>					0.1							0.1																																											
<i>Mimulus gracilis</i>						0.1																																																	
<i>Minuria integerrima</i>																																																							
<i>Mirbelia viminalis</i>																							0.1						0.5	8	0.1			0.1		0.1																			
<i>Monachather paradoxus</i>																																																							
<i>Neptunia dimorphantha</i>						0.1																																																	
<i>Nicotiana benthamiana</i>																																																							
<i>Nicotiana ?occidentalis</i>																																																							
<i>Nicotiana occidentalis</i>										0.1																																													
<i>Nicotiana ?simulans</i>										0.1																																													
<i>Nicotiana simulans</i>																																																							
<i>Nicotiana</i> sp.																																																							
<i>Notoleptopus decaisnei</i>																																																							
<i>Notoleptopus decaisnei</i> var. <i>decaisnei</i>																																																							
<i>Operculina aequisejala</i>						0.1																							0.1																										
<i>Ophioglossum lusitanicum</i>																0.1																																							
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2																																																							
<i>Panicum decompositum</i>																	0.1			0.1				0.1																															
<i>Panicum effusum</i>	0.1	0.1	0.1														0.1	0.1					0.1				0.1		0.1											0.1									0.1						
<i>Panicum laevinode</i>							1																																																
<i>Panicum</i> sp.																																																							
? <i>Paraneurachne muelleri</i>													0.1																																										
<i>Paraneurachne muelleri</i>		0.1		0.5		0.1				0.1		0.1		0.1		0.1	0.1						0.1	0.1	0.1	0.1	0.1	0.1	0.1					0.1	0.1	0.1	0.1	0.1		0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1																																																							
<i>Paspalidium basicladum</i>																																																							
<i>Paspalidium clementii</i>			0.1					0.1		0.1					0.1	0.1	0.1	0.1	0.1	0.1				0.1	0.1	0.1	0.1	0.5	0.1			0.1							0.1	0.1															
<i>Paspalidium rarum</i>	0.1								0.1																																										0.1	0.1			
<i>Peplidium maritimum</i>																																																							
<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)									0.5																																														
<i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)							0.1																																																



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<i>Ptilotus carinatus</i>																																																					
<i>Ptilotus clementii</i>		0.1				0.1					0.1						0.1				0.1										0.1						0.1		0.1	0.1													
<i>Ptilotus exaltatus</i>	0.1	0.1	0.1	0.1		0.1	0.1		0.1	0.1	0.1		0.1			0.4	0.1			0.1	0.1				0.1	0.1	0.1			0.1	0.1	0.1				0.1	0.1	0.1	0.1		0.1												
<i>Ptilotus fusiformis</i>																					0.1										0.1	0.1													0.1								
<i>Ptilotus gaudichaudii</i>			0.1						0.1							0.1		0.1		0.1				0.1																				0.1									
<i>Ptilotus gomphrenoides</i>						0.1																																															
<i>Ptilotus helipteroides</i>	0.1		0.1						0.1							0.1	0.1						0.1																					0.1									
<i>Ptilotus incanus</i>																																																					
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	3		2		0.1	0.1	0.5	0.5	0.1		0.1	0.1	2		0.1	0.1	1	0.1	0.5	0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1				0.1	0.1	0.1		0.1									
<i>Ptilotus polystachyus</i>																																																					
<i>Ptilotus roei</i>	0.1		0.1		0.1			0.1												0.1	0.1																							0.1									
<i>Ptilotus rotundifolius</i>										0.1		0.1		0.5							0.1	0.1	0.1			0.1					0.1											0.1	0.5				0.1						
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>					0.5		0.1	0.1								0.5	0.1		0.1	0.1					0.1																												
<i>Ptilotus</i> sp.																																																					
<i>Ptilotus xerophilus</i>						0.1			0.1												0.1										0.1																	0.1					
<i>Rhagodia eremaea</i>													0.5			0.1																																					
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1				0.1		0.1	1	0.1										0.1	0.1				0.1	0.1			0.1	0.1	0.1																	0.1						
<i>Rhodanthe charsleyae</i>									0.1																																												
<i>Rhodanthe margarethae</i>																																																					
<i>Rhodanthe propinqua</i>																																																					
<i>Rhynchosia minima</i>		0.1																																																			
<i>Roebuckiella similis</i>															0.1						0.1																																
<i>Rutidosia helichrysoides</i> subsp. <i>helichrysoides</i>																																																					
<i>Salsola australis</i>	0.1					0.1	0.1				0.1		0.1		0.1	0.1	0.1			0.1										0.1	0.1																						
<i>Santalum lanceolatum</i>		0.1																					0.1			0.1																											
<i>Santalum spicatum</i>																																																					
<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>																																																					
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																																																					
<i>Scaevola browniana</i> subsp. <i>browniana</i>																										0.1						0.1	0.1	0.1									0.1										
<i>Scaevola parvifolia</i>		0.1																																																			
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>				0.1						0.1				0.1																																							
<i>Scaevola spinescens</i>																																																					
<i>Schizachyrium fragile</i>		0.1		0.1						0.1				0.1							0.1	0.1	0.1				0.1	0.1	0.1				0.1			0.1	0.1					0.1							0.1				
<i>Schoenoplectiella dissachantha</i>																																																					
<i>Schoenoplectiella laevis</i>																																																					

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Taxa	RQ118	RQ119	RQ120	RQ124	RQ125	RQ128	RQ129	RQ130	RQ131	RQ132	RQ133	RQ134	RQ135	RQ136	RQ137	RQ139	RQ143	RQ145	RQ146	RQ147	RQ148a	RQ149	RQ150	RQ151	RQ152	RQ153	RQ155	RQ156	RQ157	RQ158	RQ159	RQ160	RQ162	RQ163	RQ164	RQ165	RQ167	RQ168	RQ170	RQ171	RQ172	RQ173	RQ174	RQ177					
<i>Sclerolaena aff. diacantha</i>																																																	
<i>Sclerolaena cornishiana</i>						0.1																																											
<i>Sclerolaena cuneata</i>																																																	
<i>Sclerolaena densiflora</i>																																																	
<i>Sclerolaena tetragona</i>															0.1			0.1		0.1																													
<i>Senna artemisioides</i> subsp. <i>filifolia</i>											0.1		0.1																																				
<i>Senna artemisioides</i> subsp. <i>helmsii</i>										0.1			0.1			0.1						0.1				0.1	0.1	0.1				0.1								0.1		0.1							
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>						0.1					0.1		0.1	0.1	0.1							0.1	0.1				0.1	0.1			0.1		0.1							0.1			0.1		0.1				
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																																																	
<i>Senna artemisioides</i> subsp. <i>petiolaris</i>																																																	
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>						0.1	0.1																																							0.1			
<i>Senna artemisioides</i> subsp. x <i>sturtii</i>	0.1																																													0.1			
<i>Senna ferraria</i>																									0.1							0.1	0.1	0.1			0.1	0.1		0.1									
<i>Senna glaucifolia</i>																		0.1				0.1		0.1	0.1	0.1		0.1			0.1	0.1		0.1			0.1	0.1			0.1	0.1		0.1					
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>													0.1	0.1								0.1	0.1		0.1	0.1	0.1				0.1	0.1	0.1			0.1	0.1		0.1	0.1	0.1	0.1			0.1				
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>				0.1						0.1		0.1		0.1								0.1	0.1							0.1	0.1										0.1	0.1	0.1			0.1			
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>										0.1	0.1	0.1		0.1		0.1						0.1					0.1				0.1		0.1			0.1	0.1				0.1	0.1							
<i>Senna hamersleyensis</i>																																																	
<i>Senna notabilis</i>	0.1		0.1													0.1		0.1					0.1																										
<i>Senna pleurocarpa</i> var. <i>angustifolia</i>																0.1																																	
<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>	0.1																																																
<i>Senna sericea</i>																																															0.1		
<i>Senna</i> sp.						0.1																																											
<i>Senna stricta</i>																																																	
<i>Senna stricta</i> x <i>glutinosa</i>																																																	
<i>Senna venusta</i>																																															0.1		
<i>Seringia exastia</i>		0.1		0.1										0.1									0.2	1			0.1					0.1														1.5			
<i>Seringia nephrosperma</i>																																																	
<i>Seringia</i> sp.																																																	
<i>Setaria dielsii</i>													0.1																																				
<i>Setaria surgens</i>																																																	
* <i>Setaria verticillata</i>													0.1																																				
<i>Sida ?arenicola</i>																																																	
<i>Sida arenicola</i>																							0.1	0.1							0.1	0.1	0.5								0.1			0.1					
<i>Sida arsinata</i>																																																	
<i>Sida calyxhyemia</i>																																																	

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Taxa	RQ118	RQ119	RQ120	RQ124	RQ125	RQ128	RQ129	RQ130	RQ131	RQ132	RQ133	RQ134	RQ135	RQ136	RQ137	RQ139	RQ143	RQ145	RQ146	RQ147	RQ148a	RQ149	RQ150	RQ151	RQ152	RQ153	RQ155	RQ156	RQ157	RQ158	RQ159	RQ160	RQ162	RQ163	RQ164	RQ165	RQ167	RQ168	RQ170	RQ171	RQ172	RQ173	RQ174	RQ177										
<i>Tribulus astrocarpus</i>																	0.1	0.1		0.1							0.1																											
<i>Tribulus hirsutus</i>																																																						
<i>Tribulus suberosus</i>																											0.1																						0.1				0.1	
* <i>Tribulus terrestris</i>																																																						
<i>Tribulus ?terrestris</i>																																																				0.1		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.1				0.1				0.1						0.1				0.1																															0.1			
<i>Tricoryne</i> sp. Hamersley Range (S. van Leeuwen 915)																								0.1																														
<i>Trigonella suavissima</i>							0.1																																															
<i>Triodia angusta</i>						25						4		4																																								
<i>Triodia brizoides</i>																																																						
<i>Triodia longiceps</i>																																																						
<i>Triodia melvillei</i>						0.1												2.5			0.1																																	
<i>Triodia pungens</i>	28	55		0.5							0.1		0.1		1		35					1	0.1		25				0.1	0.1			2	0.1	0.1	0.5			1	25	2		1.5	0.5	0.1				1					
<i>Triodia vanleeuwenii</i>		0.1		26							50		35		50							32	50	20		0.5	9	12	0.1			5	3	15	0.1		1				13	12	25	15					11					
<i>Triodia wiseana</i>		1				40					31		2												42						2.5						40	20												0.1				
<i>Tripogonella loliformis</i>														0.1							0.1																																	
<i>Triraphis mollis</i>																																																						
<i>Triumfetta maconochieana</i>																										0.1																												
<i>Urochloa occidentalis</i> var. <i>ciliata</i>							0.1																																															
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>																															2	2																						
<i>Urochloa piligera</i>																																																						
* <i>Vachellia farnesiana</i>																																																						
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																																																						
<i>Vigna</i> sp.																																																						
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)							0.1																																															
<i>Vincetoxicum lineare</i>																		0.1									0.1		0.1							0.1																		
<i>Vittadinia dissecta</i> var. <i>hirta</i>																																																						
<i>Wahlenbergia</i> sp.																																																						
<i>Wahlenbergia tumidifruca</i>																																																						
<i>Waltheria indica</i>																																																						
<i>Waltheria virgata</i>																																																						
<i>Yakirra australiensis</i>																																																						
<i>Yakirra australiensis</i> var. <i>australiensis</i>																																																						

? denotes unconfirmed ID

* denotes weed species

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<i>Abutilon ?amplum</i>																					0.1																												
<i>Abutilon amplum</i>														0.1																		0.1																	
<i>Abutilon cryptopetalum</i>				0.1					0.1						0.1						0.1										0.1																		
<i>Abutilon ?cunninghamii</i>																																																	
<i>Abutilon cunninghamii</i>					0.1						0.1								0.1					0.1								0.1			0.1														
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>																																								0.1		0.1							
<i>Abutilon ?lepidum</i>																																																	
<i>Abutilon lepidum</i>	0.1																																																
<i>Abutilon macrum</i>				0.1																												0.1							0.1		0.1								
<i>Abutilon malvifolium</i>		0.1										0.1	0.1																																				
<i>Abutilon otocarpum</i>					0.1	0.1					0.1						0.1		0.1			0.1							0.1			0.1	0.1						0.1		0.1	0.1							
<i>Abutilon</i> sp.																																																	
<i>Abutilon</i> sp. Dioicum (A.A. Mitchell PRP 1618)																																																	
<i>Acacia adoxa</i> var. <i>adoxo</i>					0.1																										0.1	0.1					0.1		0.1	0.1	0.1		0.1	0.1					
<i>Acacia ?adsurgens</i>					0.1																																												
<i>Acacia adsurgens</i>						0.1																																0.1	0.1		0.1		0.1						
<i>Acacia ancistrocarpa</i>					2											3																																	
<i>Acacia aneura</i>	0.1										0.1																																						
<i>Acacia aptaneura</i>	3	5	0.1	10	0.1				0.1	15	3		2.5	0.5	10	2			0.1	9	0.1		0.1				2		0.1	0.1																			
<i>Acacia arida</i>																	18										6																						
<i>Acacia atkinsiana</i>																																																	
<i>Acacia ayersiana</i>				0.1											0.1	0.1	3																																
<i>Acacia bivenosa</i>			0.1	0.1	0.1	0.1	0.1	0.1							0.1	1		0.1				0.5	0.5	0.1		0.1	1	0.1	0.1	0.1							0.5	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1			
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>				1					6		0.1				13	25				7					45	2		0.1																					
<i>Acacia citrinoviridis</i>				5																																													
<i>Acacia colei</i> var. <i>colei</i>					1																																												
<i>Acacia cowleana</i>					0.1																																												
<i>Acacia dictyophleba</i>					0.1																	2				0.1																							
<i>Acacia elachantha</i>						0.1																																											
<i>Acacia hamersleyensis</i>																																																	
<i>Acacia hilliana</i>																																																	
<i>Acacia inaequilatera</i>																																																	
<i>Acacia incurvaneura</i>																1																																	
<i>Acacia kempeana</i>																																																	
<i>Acacia macraneura</i>																																																	
<i>Acacia maitlandii</i>					0.1		0.1				0.1																																						

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<i>Anthobolus leptomerioides</i>									0.1	0.1								0.5		0.1			0.1																											
<i>Areocleome oxalidea</i>				0.1																					0.1																									
<i>Aristida contorta</i>	1			1		0.1			0.1	0.1	0.1				0.1	0.1	0.1	0.1	0.1		0.1				0.1	0.1				0.1	0.1						0.1	0.1	0.1	0.1			0.1							
<i>Aristida holathera</i> var. <i>holathera</i>					0.1	0.1					0.1	0.1															0.1		0.1		0.1								0.1		0.1									
<i>Aristida ?inaequiglumis</i>																0.1																																		
<i>Aristida inaequiglumis</i>						0.1											0.1							0.1	0.1					3							0.1					0.1								
<i>Aristida ?ingrata</i>																																																		
<i>Aristida ingrata</i>											0.1		2														0.1	0.1																						
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1														0.1		0.1																																	
<i>Aristida latifolia</i>	5	0.5								0.5		1	3																																					
<i>Aristida lazaridis</i> P2																																																		
<i>Aristida nitidula</i>																																																		
<i>Aristida obscura</i>	0.1			0.1					0.1						0.1	0.1			0.1				0.1		0.1		0.1																							
<i>Aristida pruinosa</i>																																																		
<i>Aristida</i> sp.																																																		
<i>Arivela viscosa</i>	0.1	0.1		0.1					0.1	0.5	0.1	0.4	0.1	0.1	0.1		0.1							0.1					0.1	0.1												0.1	0.1	1						
Asteraceae sp.																																																		
<i>Astrebla elymoides</i>												36	0.1																																					
<i>Astrebla pectinata</i>																																																		
? <i>Astrebla</i> sp.																																																		
<i>Astrotricha hamptonii</i>																																																		
<i>Atriplex ?bunburyana</i>																																																		
<i>Atriplex codonocarpa</i>																																																		
<i>Austrobryonia pilbarensis</i>										0.1			0																																					
<i>Bergia ?pedicellaris</i>				0.1																																														
<i>Bergia pedicellaris</i>																																																		
* <i>Bidens bipinnata</i>	0.1	0.1		5					0.1	0.1	0.1	0.1	1	0.1	0.1		0.1		0.1	0.1	0.1				0.5				0.1																0.1	0.1	0.1			
<i>Blumea tenella</i>																																																		
<i>Boerhavia burbridgeana</i>																																																		
<i>Boerhavia coccinea</i>	0.1			0.1					0.1					0.1	0.1						0.1	0.1							0.1	0.1												0.1	0.1	0.1						
<i>Boerhavia gardneri</i>																	0.1									0.1																								
<i>Boerhavia paludosa</i>												0.1																																						
<i>Boerhavia repleta</i>										0.1																																								
<i>Boerhavia schomburgkiana</i>										0.1																																								
<i>Bonamia erecta</i>				0.1																																									0.1	0.1				
<i>Bonamia pilbarensis</i>																						0.1																												

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<i>Bothriochloa ewartiana</i>																																										0.1	1				
<i>Bothriochloa</i> sp.												0.1																																			
<i>Brachychiton acuminatus</i>																																															
<i>Brunonia australis</i>																																															
<i>Bulbine pendula</i>																																															
<i>Bulbostylis barbata</i>		0.1		0.1					0.1																				0.1							0.1											
<i>Bulbostylis turbinata</i>	0.1																																														
<i>Calandrinia ptychosperma</i>																																															
<i>Calandrinia ?pumila</i>				0.1																																											
<i>Calandrinia pumila</i>	0.1																																														
<i>Calandrinia reticulata</i>																																															
<i>Calandrinia stagnensis</i>																																															
<i>Calocephalus pilbarensis</i>																						0.1																									
<i>Calotis latiuscula</i>		0.1																																													
<i>Calotis plumulifera</i>										0.1																																					
<i>Calytrix carinata</i>						0.1																																								0.1	
<i>Capparis lasiantha</i>			0.1		0.1											0.1								0.1		0.1																			0.1		
<i>Capparis spinosa</i> subsp. <i>nummularia</i>																																															
<i>Cassutha capillaris</i>																																															
* <i>Cenchrus ciliaris</i>				0.1																																											
* <i>Cenchrus setiger</i>																																															
<i>Centipeda minima</i>																																															
<i>Centipeda minima</i> subsp. <i>macrocephala</i>		0.1																																													
<i>Cheilanthes brownii</i>																																															
<i>Cheilanthes lasiophylla</i>																																															
<i>Cheilanthes sieberi</i>				0.1													0.1			0.1							1																			0.1	
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>									0.5		0.1					0.1						0.1																								0.5	
<i>Chloris ?barbata</i>																																															
* <i>Chloris virgata</i>	0.1												0.1		0.1											0.1																					
<i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>																																															
<i>Chrysocephalum gilesii</i>				0.1																																											
<i>Chrysocephalum pterochaetum</i>																																															
<i>Chrysopogon fallax</i>	5	0.1		3						3	0.5	0.1	0.1	0.1			0.1											0.1	0.1															0.1	1		
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>																																															0.1
<i>Clerodendrum floribundum</i> var. <i>floribundum</i>																																															

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<i>Clerodendrum tomentosum</i>																																																		
<i>Codonocarpus cotinifolius</i>					0.1	0.1										0.1	0.1	0.1	0.1			0.1	0.1	0.1					0.1	0.1		0.1				0.1		0.1	0.1	0.1				0.1						
<i>Commelina ensifolia</i>												0.1			0.1		0.1				0.1				0.1																									
<i>Convolvulaceae sp.</i>																																																		
<i>Convolvulus clementii</i>	0.1	0.1								0.1			0.1																																0.1					
<i>Convolvulus remotus</i>	0.1																					0.1													0.1															
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>						0.1					0.1			0.1		0.1							0.1					0.1	0.1		0.1								0.1	0.1	0.1	0.1	0.1		0.1					
<i>Corchorus parviflorus</i>																																																		
<i>Corchorus sidoides</i>																																																		
<i>Corchorus sp.</i>																			0.1																															
<i>Corchorus tridens</i>				0.1								0.1		0.1																														0.1	0.1					
<i>Corymbia candida</i>																3						0.1																												
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>						0.5										0.1																															0.1			
<i>Corymbia ferritcola</i>																																																		
<i>Corymbia hamersleyana</i>											1.5					0.1		0.5																										6		0.5				
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>														0.1								0.1																							0.1		0.1			
<i>Cryptandra monticola</i>																																																		
<i>Cucumis melo</i>		0.1									0.1		1																																	0.1				
<i>Cucumis variabilis</i>	0.1									0.1	0.1	0.1		0.1								0.1		0.1						0.1	0.1			0.1							0.1					0.1				
<i>Cullen cinereum</i>																																																		
<i>Cullen graveolens</i>												0.1																																						
<i>Cullen pogonocarpum</i>																																																		
<i>Cymbopogon ambiguus</i>			0.1		0.1	0.1	0.1				0.1											0.1		0.1	0.1			0.1																0.1		0.1		0.1		
<i>Cymbopogon obtectus</i>																																																		
<i>Cymbopogon sp.</i>																																																		
<i>Cynanchum floribundum</i>																																																		
<i>Cynanchum pedunculatum</i>												0.1																																						
<i>Cynanchum viminale</i> subsp. <i>australe</i>																																																		
<i>Cynodon convergens</i>											0.1																																							
<i>Cynodon prostratus</i>																																																		
<i>Cyperus bulbosus</i>																																																		
<i>Cyperus iria</i>		0.1																																																
<i>Cyperus pulchellus</i>																																																	0.1	
<i>Cyperus squarrosus</i>																																																	0.1	
<i>Dactyloctenium radulans</i>				0.1							0.1																																							
<i>Dampiera candidans</i>																																																		0.1

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<i>Dichanthium sericeum</i>																																															
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	0.1	0.1								0.1			0.1																																		
<i>Dichanthium sericeum</i> subsp. <i>sericeum</i>													0.1											0.1																							
<i>Dicrasyllis cordifolia</i>																																															
<i>Digitaria ammophila</i>	0.1									0.1			0.1		0.1		0.1								0.1		0.1	0.1	0.1										0.1				0.1				
<i>Digitaria brownii</i>		0.5		0.1							0.1	0.1																												0.1			0.1				
? <i>Digitaria ctenantha</i>																																															
<i>Digitaria ctenantha</i>				15					0.1		0.1	0.1	0.1	0.1	0.1						0.1	0.5				0.1															0.1		0.1	0.5			
<i>Diplopeltis stuartii</i> var. <i>stuartii</i>																																															
<i>Dipteracanthus australasicus</i> subsp. <i>australasicus</i>														0.1								0.1																							2		
<i>Dodoniaea coriacea</i>							0.1																			0.1																					
<i>Dodoniaea lanceolata</i> var. <i>lanceolata</i>					0.1																																										
<i>Dodoniaea pachyneura</i>																																															
<i>Dodoniaea</i> ? <i>petiolaris</i>																																															
<i>Dodoniaea petiolaris</i>														0.1																														0.1			
<i>Dodoniaea</i> sp.																																															
<i>Dodoniaea viscosa</i> subsp. <i>spatulata</i>																																															
<i>Dolichocarpa crouchiana</i>																												0.1				0.1	0.1		0.1												
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3																																															
<i>Duma florulenta</i>																																															
<i>Duperreya commixta</i>	0.1				0.5	0.1	0.1		0.1	0.1	0.1		0.1	0.1	0.1						0.1	0.1	0.1		0.1		0.1	0.1	0.1					0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
<i>Dysphania glomulifera</i> subsp. <i>eremaea</i>																																															
<i>Dysphania kalpari</i>																																															
<i>Dysphania melanocarpa</i> forma <i>leucocarpa</i>	0.1																																														
<i>Dysphania melanocarpa</i> forma <i>melanocarpa</i>																																															
<i>Dysphania rhadinostachya</i>																																															
<i>Dysphania rhadinostachya</i> subsp. <i>rhadinostachya</i>	0.1																																														
<i>Dysphania</i> sp.														0.1									0.1																								
<i>Elytrophorus spicatus</i>																																															
<i>Enchylaena</i> sp.																																															
<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>					0.1																																										
<i>Enchylaena tomentosa</i> x <i>Maireana georgei</i>																																															
<i>Enneapogon avenaceus</i>																																															
<i>Enneapogon caeruleus</i>																				0.1					0.1						2									0.1					0.1		
<i>Enneapogon</i> ? <i>lindleyanus</i>																																															

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<i>Enneapogon lindleyanus</i>													0.1					0.1																					0.1			0.1				
<i>Enneapogon polyphyllus</i>	3	0.1		3	0.1	0.1		0.1	0.5	10	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5		0.1			0.1	0.1	0.1	0.1	0.1	0.1					0.1	0.1				0.1	0.1		0.5		
<i>Enneapogon robustissimus</i>						0.1															0.5																									
<i>Enneapogon</i> sp.																																														
<i>Enteropogon ramosus</i>																													0.1																	
<i>Eragrostis cumingii</i>															0.1																										0.1	0.1				
<i>Eragrostis desertorum</i>																						0.1																								
<i>Eragrostis dielsii</i>																																														
<i>Eragrostis eriopoda</i>																							0.1						2								0.1									
<i>Eragrostis leptocarpa</i>																																														
<i>Eragrostis pergracilis</i>																													0.1																	
<i>Eragrostis setifolia</i>	0.5	0.1		0.1					0.1			0.1	0.1				0.1			0.1								0.1																		
<i>Eragrostis setifolia x xerophila</i>																																														
<i>Eragrostis</i> sp.																																														
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1																																														
<i>Eragrostis tenellula</i>														0.1							0.1																				0.1					
<i>Eragrostis xerophila</i>																																														
<i>Eremophila caespitosa</i>																																														
<i>Eremophila clarkei</i>																				0.1																										
<i>Eremophila exilifolia</i>						0.1																																								
<i>Eremophila</i> ?forrestii																																														
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>				0.1				0.5		0.5																																0.1				
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>																				0.1																										
<i>Eremophila galeata</i>				0.5				0.5																																						
<i>Eremophila</i> ?jucunda																						0.1																								
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>																																														
<i>Eremophila lachnocalyx</i>																																														
? <i>Eremophila lanceolata</i>				0.1																																										
<i>Eremophila lanceolata</i>	0.1											0.1		0.1																																
<i>Eremophila latrobei</i>																													0.1																	
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>				0.1				0.1						0.1	0.1				0.1																											
<i>Eremophila latrobei</i> subsp. <i>glabra</i>																																														
<i>Eremophila latrobei</i> subsp. <i>latrobei</i>				0.1	0.1	0.1										0.1						0.1				0.1	0.1	0.1																0.1		
<i>Eremophila longifolia</i>				0.1										0.1								4		0.1			0.1															0.1				
<i>Eremophila oppositifolia</i> subsp. <i>angustifolia</i>																																														
<i>Eremophila platycalyx</i> subsp. <i>pardalota</i>										0.1												0.1						0.1																		

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<i>Goodenia vilmorinae</i>					0.1	0.1												0.1				0.1						0.1						0.1		0.1	0.1	0.1	0.1	0.1		0.1						
<i>Gossypium robinsonii</i>					0.1						0.1			0.1																							0.5		0.1									
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>														0.1							0.1											3																
<i>Grevillea berryana</i>				0.1		0.1			0.1		0.5				0.1		0.1								5	0.1																						
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>						0.1																														0.1	2		6				0.1					
<i>Grona filiformis</i>												0.1																																				
<i>Grona muelleri</i>																																																
<i>Hakea chordophylla</i>						0.1									0.5		0.5				0.1		0.1			0.1	0.1	0.1			0.1	0.5	0.1			0.1	1	0.1	0.5				0.5					
<i>Hakea lorea</i> subsp. <i>lorea</i>					0.1					0.1					0.1		0.1												0.1			0.1	0.1															
<i>Haloragis ?gossei</i>																																																
<i>Haloragis gossei</i>				0.1																																												
<i>Haloragis gossei</i> var. <i>gossei</i>	0.1																												0.1																			
<i>Haloragis maierae</i>																																																
<i>Haloragis odontocarpa</i>																																																
<i>Haloragis</i> sp.		0.1																											0.1					0.1											0.1			
<i>Heliotropium chrysocarpum</i>																																																
<i>Heliotropium conocarpum</i>																																																
<i>Heliotropium cunninghamii</i>	0.1													0.1																																		
<i>Heliotropium heteranthum</i>																																																
<i>Heliotropium inexplicitum</i>						0.1																				0.1			0.1	0.1							0.1	0.1	0.1	0.1								
<i>Heliotropium pachyphyllum</i>																																																
<i>Heliotropium skeleton</i>																																																
<i>Heliotropium tanythrix</i>				0.1																																												
<i>Hibiscus brachysiphonius</i>																																																
<i>Hibiscus burtonii</i>	0.1			0.1		0.1			0.1	0.1	0.1				0.1	0.1													0.1	0.1																		
<i>Hibiscus ?coatesii</i>																																																
<i>Hibiscus coatesii</i>					0.1	0.1			0.1	0.1									0.1																													
<i>Hibiscus leptocladus</i>																													0.1																			
<i>Hibiscus</i> sp.																																																
<i>Hibiscus</i> sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2																																																
<i>Hibiscus sturtii</i>					0.1																								0.1	0.1																		
<i>Hibiscus sturtii</i> var. <i>campylochlamys</i>						0.1																																										
<i>Hibiscus sturtii</i> var. <i>platychlamys</i>					0.1																																											
<i>Hibiscus sturtii</i> var. <i>truncatus</i>																																																
<i>Hibiscus verdcourtii</i>												0.1																																				
<i>Indigastrium parviflorum</i>																																																

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<i>Indigofera georgei</i>														0.1							0.1												0.1								0.1	0.5			
<i>Indigofera gilesii</i> P3											0.1																																		
<i>Indigofera linifolia</i>												0.1																																	
<i>Indigofera linnaei</i>	0.1																																												
<i>Indigofera monophylla</i>					2	0.1								0.1	0.1								0.1	0.1			0.1	0.1								0.1	0.1	0.1	0.1	0.1		0.1	0.1		
<i>Ipomoea lonchophylla</i>		0.1		0.1						0.1		0.1	0.1																																
<i>Ipomoea muelleri</i>																																													
<i>Ipomoea polymorpha</i>																																													
<i>Ipomoea racemigera</i> P2				0.1																																									
<i>Ipomoea</i> sp.																																													
<i>Ischaemum albobillosum</i>												0.1																																	
<i>Iseilema</i> aff. <i>membranaceum</i>													0.1																																
<i>Iseilema dolichotrichum</i>								0.1																												0.1									
<i>Iseilema eremaeum</i>																																													
<i>Iseilema membranaceum</i>																																												0.1	
<i>Iseilema vaginiflorum</i>	0.1	8								5		0.1	20																																
<i>Isolepis</i> sp.																	0.1																												
<i>Isotropis atropurpurea</i>																																													
<i>Isotropis iophyta</i>														0.1								0.1																							
<i>Isotropis parviflora</i> P2																																													
<i>Jasminum didymum</i> subsp. <i>lineare</i>					0.1	0.1								0.1								0.1		0.1			0.1	0.1						0.1			0.1	0.1	0.1			0.1			
<i>Josephinia eugeniae</i>																																													
<i>Leichhardtia australis</i>																																													
<i>Lepidium</i> sp.																																													
<i>Lotus cruentus</i>																																													
<i>Maireana carnososa</i>																																													
<i>Maireana georgei</i>																																													
<i>Maireana melanocoma</i>							0.1																														0.1		0.1						
<i>Maireana planifolia</i>					0.1																																								
<i>Maireana planifolia</i> x <i>villosa</i>																																													
<i>Maireana</i> sp.																																													
<i>Maireana thesioides</i>																																													
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>	0.1	0.1					0.1	0.1						0.1						0.1																									
<i>Maireana triptera</i>																																													
<i>Maireana ?villosa</i>																																													
<i>Maireana villosa</i>										0.1			0.1		0.1		0.5			0.1						0.1																			

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Malvaceae sp.																																																					
* <i>Malvastrum americanum</i>															0.1							0.1							0.1					0.1											0.1								
<i>Marsilea ?hirsuta</i>		0.5											0.1									0.1																															
<i>Marsilea hirsuta</i>				0.1																																																	
<i>Melaleuca eleuterostachya</i>																							1		7														0.1														
<i>Melhania oblongifolia</i>																																											0.1			0.1							
<i>Mimulus gracilis</i>		0.1																																																			
<i>Minuria integerrima</i>																																																					
<i>Mirbelia viminalis</i>																																																					
<i>Monachather paradoxus</i>																																																					
<i>Neptunia dimorphantha</i>													0.1																																								
<i>Nicotiana benthamiana</i>																																																					
<i>Nicotiana ?occidentalis</i>																																																					
<i>Nicotiana occidentalis</i>																																																					
<i>Nicotiana ?simulans</i>																																																					
<i>Nicotiana simulans</i>																																																					
<i>Nicotiana</i> sp.		0.1																																																			
<i>Notoleptopus decaisnei</i>																						0.1																															
<i>Notoleptopus decaisnei</i> var. <i>decaisnei</i>																									0.1																												
<i>Operculina aequisepala</i>												0.1																																									
<i>Ophioglossum lusitanicum</i>				0.1																																																	
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2																																																					
<i>Panicum decompositum</i>																														0.1						0.1		0.1		0.1		0.1						0.1					
<i>Panicum effusum</i>					0.1	0.1											0.1																														1						
<i>Panicum laevinode</i>		0.1											3																																								
<i>Panicum</i> sp.																																																					
? <i>Paraneurachne muelleri</i>																																																					
<i>Paraneurachne muelleri</i>					0.5	0.1	0.1	0.1			2			1			0.1		0.1	0.1	0.1	0.1		0.1	0.1				0.5	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1																																																					
<i>Paspalidium basicladum</i>																																																					
<i>Paspalidium clementii</i>		0.1							0.1	0.1	0.1					0.1					0.1			0.1						0.1				0.1	0.1	0.1		0.1	0.1	0.1		0.1	0.1	0.1		0.1	0.1						
<i>Paspalidium rarum</i>				16							0.1											0.1								0.1						0.1										0.1							
<i>Peplidium maritimum</i>																																																					
<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)																																																					
<i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)																																																					

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<i>Ptilotus carinatus</i>																																															
<i>Ptilotus clementii</i>	0.1									0.1								1				0.1	0.1						0.1										0.1					0.1			
<i>Ptilotus exaltatus</i>	0.1				0.1	0.1	0.1	0.1		0.1	0.1	0.1		0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
<i>Ptilotus fusiformis</i>				0.1		0.1																							0.1												0.3	0.1	0.1				
<i>Ptilotus gaudichaudii</i>	0.1				0.1						0.1																		0.1												0.1						
<i>Ptilotus gomphrenoides</i>	0.1	0.1								0.1																																					
<i>Ptilotus helipteroides</i>	0.1								0.1													0.1																									
<i>Ptilotus incanus</i>																																															
<i>Ptilotus obovatus</i> var. <i>obovatus</i>	0.5			0.1	0.1	0.1	0.1		0.1	0.1	0.2			0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1		0.1	0.1	0.1	0.1			0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
<i>Ptilotus polystachyus</i>																													0.1															0.1			
<i>Ptilotus roei</i>				0.1					0.1																				0.1																		
<i>Ptilotus rotundifolius</i>					0.1																	0.5			0.1	0.1	0.1			0.1								0.5									
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>									0.1																																						
<i>Ptilotus</i> sp.																																															
<i>Ptilotus xerophilus</i>		0.1								0.1			0.1								0.1								0.1															0.1			
<i>Rhagodia eremaea</i>		11								0.1			4																																		
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1									0.1				0.1	0.1				0.1						0.1			0.1	0.1	0.1			0.1	0.1						0.1			0.1				
<i>Rhodanthe charsleyae</i>																																															
<i>Rhodanthe margarethae</i>																																															
<i>Rhodanthe propinqua</i>				0.1																																											
<i>Rhynchosia minima</i>	0.1	0.1								0.1	0.1	0.1		0.1							0.1																										
<i>Roebuckiella similis</i>				0.1																																											
<i>Rutidosis helichrysoides</i> subsp. <i>helichrysoides</i>																			0.1																										0.1	0.1	
<i>Salsola australis</i>	0.1	0.1											0.1	0.1															0.1	0.1																	
<i>Santalum lanceolatum</i>			0.1	0.1	0.1	0.5		0.1		0.1			0.1								0.1			0.5										0.1						0.1		2	0.1	0.1	0.1		
<i>Santalum spicatum</i>																																															
<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>																																															
<i>Scaevola amblyanthera</i> var. <i>centralis</i>														0.1				0.1		0.1																								0.1			
<i>Scaevola browniana</i> subsp. <i>browniana</i>						0.1									0.1												0.1			0.1																0.1	0.1
<i>Scaevola parvifolia</i>					0.1																																										
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																																														0.1	
<i>Scaevola spinescens</i>																																															
<i>Schizachyrium fragile</i>					0.1	0.1				0.1								0.1					0.1					0.1	0.1																		
<i>Schoenoplectiella dissachantha</i>																																															
<i>Schoenoplectiella laevis</i>				0.1																																											

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Taxa	RQ178	RQ179	RQ180	RQ181	RQ182	RQ183	RQ185	RQ186	RQ187	RQ188	RQ189	RQ191	RQ192	RQ211	RQ212	RQ213	RQ214	RQ215	RQ216	RQ217	RQ218	RQ219	RQ220	RQ222	RQ224	RQ225	RQ226	RQ227	RQ231	RQ233	RQ234	RQ235	RQ236	RQ237	RQ238	RQ239	RQ240	RQ241	RQ242	RQ243	RQ244	RQ245	RQ246	RQ247										
<i>Sclerolaena aff. diacantha</i>																																																						
<i>Sclerolaena cornishiana</i>																					0.1																																	
<i>Sclerolaena cuneata</i>								0.1																																														
<i>Sclerolaena densiflora</i>																																																						
<i>Sclerolaena tetragona</i>																																																						
<i>Senna artemisioides</i> subsp. <i>filifolia</i>														0.1																					0.1							0.1	0.1											
<i>Senna artemisioides</i> subsp. <i>helmsii</i>	0.1			0.1		0.1				0.1					0.1								0.1													0.1				0.1		0.1												
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>					0.1		0.1	0.1									0.1	0.1					0.1	0.1					0.1	0.5		0.1							0.1	0.1		0.1												
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																																																						
<i>Senna artemisioides</i> subsp. <i>petiolaris</i>													0.1																																									
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>					0.1					0.1				0.5								0.5		0.1											0.1																			
<i>Senna artemisioides</i> subsp. x <i>sturtii</i>																																																						
<i>Senna ferraria</i>															0.1													0.1													0.1			0.1		0.1								
<i>Senna glaucifolia</i>				0.1		0.1			0.1	0.1																			0.1			0.1																0.1						
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>					0.1											0.1	0.1						0.1						0.1			0.1	0.1					0.1	0.1	0.1		0.1	0.1	0.1										
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>																												0.1	0.1			0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1									
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>			0.1							0.1					0.1	0.1						0.5		0.1	0.1					0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1							
<i>Senna hamersleyensis</i>																																																						
<i>Senna notabilis</i>	0.1									0.1	0.1			0.1	0.1									0.1						0.1															0.1	0.1								
<i>Senna pleurocarpa</i> var. <i>angustifolia</i>																														0.1																								
<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>																																																						
<i>Senna sericea</i>							0.1	0.1																																							0.1							
<i>Senna</i> sp.																																																						
<i>Senna stricta</i>																																																						
<i>Senna stricta</i> x <i>glutinosa</i>																																																						
<i>Senna venusta</i>																																																						
<i>Seringia exastia</i>					0.1									0.1				0.1												25		0.1																						
<i>Seringia nephrosperma</i>						0.1																																																
<i>Seringia</i> sp.																																																	0.1				0.1	
<i>Setaria dielsii</i>	0.1	0.1		0.1																																																		
<i>Setaria surgens</i>														0.1																																								
* <i>Setaria verticillata</i>																																																						
<i>Sida ?arenicola</i>																																																						
<i>Sida arenicola</i>						0.1																																																
<i>Sida arsinata</i>																																																						
<i>Sida calyxhymenia</i>																																																						

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<i>Sida cardiophylla</i>					0.1												0.1					0.1						0.1													0.1						
<i>Sida ?clementii</i>																													0.1			0.1															
<i>Sida ?echinocarpa</i>																							0.1						0.1																		
<i>Sida echinocarpa</i>																						0.1																									
<i>Sida ectogama</i>				3					1						12		0.5																														
<i>Sida ?fibulifera</i>														0.1			0.1																0.1														
<i>Sida fibulifera</i>					0.1	0.1			0.1	0.1		0.1	0.1	0.1			0.1		0.1		0.1													0.5	0.1												
<i>Sida platycalyx</i>				0.1					0.1																																						
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>												0.1																																			
<i>Sida</i> sp.																																															
<i>Sida</i> ?sp. dark green fruits (S. van Leeuwen 2260)																																															
<i>Sida</i> sp. dark green fruits (S. van Leeuwen 2260)																																															
<i>Sida</i> sp. Excedentifolia (J.L. Egan 1925)																																															
<i>Sida</i> sp. Golden calyces glabrous (H.N. Foote 32)																		0.1																													
<i>Sida spinosa</i>																																															
<i>Sida</i> sp. L (A.M. Ashby 4202)				0.1																								0.1							0.1							0.1	0.1				
<i>Sida</i> sp. Pilbara (A.A. Mitchell PRP 1543)																																															
<i>Sida</i> sp. Shovelanna Hill (S. van Leeuwen 3842)																																															
<i>Sida</i> ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)						0.1				0.1																																				0.1	
<i>Sida</i> sp. spiciform panicles (E. Leyland s.n. 14/8/90)					0.1									0.1		0.1											0.1								0.1							0.1	0.1				
<i>Sida</i> sp. tiny glabrous fruit (A.A. Mitchell PRP1152)																																															
<i>Sida trichopoda</i>																																															
<i>Solanum centrale</i>																										0.1		0.1																		0.1	0.1
<i>Solanum cleistogamum</i>						0.1					0.1														0.1																						
<i>Solanum ferocissimum</i>																																															
<i>Solanum horridum</i>														0.1										0.1				0.1																			
<i>Solanum lasiophyllum</i>	0.1	0.1		0.1	0.1	0.1			0.1	0.1			0.1		0.1	0.1	0.1	0.1	0.1																										0.1	0.1	0.1
<i>Solanum ?phlomoides</i>											0.1																																				
<i>Solanum phlomoides</i>																													0.1																		
<i>Solanum</i> sp.												0.1																																			
<i>Spermacoce brachystema</i>				1					0.1						0.1																																
<i>Sporobolus australasicus</i>	0.1													0.1	0.1																																
<i>Stackhousia ?intermedia</i>							0.1	0.1																																							
<i>Stackhousia muricata</i> subsp. annual (W.R. Barker 2172)																																															
<i>Stackhousia</i> ?sp. swollen gynophore (W.R. Barker 2041)																															0.1																

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<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)																							0.1						0.1	0.1		0.1																							
<i>Stemodia grossa</i>																					0.1								0.1													0.1													
<i>Stemodia</i> sp.																																																							
<i>Stenopetalum nutans</i>																																																							
<i>Streptoglossa adscendens</i>																																																							
<i>Streptoglossa bubakii</i>																								0.1						0.1																0.1									
<i>Streptoglossa decurrens</i>																																														0.1									
<i>Streptoglossa</i> sp.																																					0.1		0.1								0.1								
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3																																																							
<i>Striga squamigera</i>																																																							
<i>Stylobasium spathulatum</i>					0.5																																																		
<i>Swainsona canescens</i>																																																							
<i>Swainsona decurrens</i>																																																							
<i>Swainsona formosa</i>																																																							
<i>Swainsona kingii</i>																																																							
<i>Swainsona thompsoniana</i> P3																																																							
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>				0.1																																																			
<i>Synostemon rhytidospermus</i>										0.1																																													
<i>Templetonia egena</i>																																																							
<i>Tephrosia densa</i>																																																							
<i>Tephrosia oxalidea</i>						0.1																																																	
<i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186)																																																							
<i>Tephrosia</i> sp.																																																							
<i>Tephrosia</i> sp. clay soils (S. van Leeuwen et al. PBS 0273)																																																							
<i>Tephrosia supina</i>																																																							
<i>Teucrium teucriiflorum</i>																						0.1																																	
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3																																																							
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)																	0.1																																						
<i>Themeda triandra</i>	3			0.1	35						3			15								30	0.1							20					40							5	0.1	20	85										
<i>Themeda triandra</i> /sp. Hamersley Station (M.E. Trudgen 11431)																																																							
<i>Thyridolepis xerophila</i>																0.1						0.1																																	
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>																															0.1																								
<i>Tragus australianus</i>																																																							
<i>Trianthema glossostigma</i>										0.1																																													
<i>Trianthema triquetrum</i>				0.1																																																			

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<i>Tribulus astrocarpus</i>	0.1								0.1																0.1																												
<i>Tribulus hirsutus</i>																													0.1	0.1																							
<i>Tribulus suberosus</i>																																																					
* <i>Tribulus terrestris</i>										0.1																																											
<i>Tribulus ?terrestris</i>																																																					
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>											0.1			0.1								0.1							0.1	0.1										0.1		0.1	0.1										
<i>Tricoryne</i> sp. Hamersley Range (S. van Leeuwen 915)																																																					
<i>Trigonella suavissima</i>																																																					
<i>Triodia angusta</i>																																																					
<i>Triodia brizoides</i>																																																					
<i>Triodia longiceps</i>																						1.5																															
<i>Triodia melvillei</i>												1			1		2					8						6			0.1																						
<i>Triodia pungens</i>			0.1	8	2	0.1			0.5		3			8		4		5						0.5					12			0.1			0.1				50		0.1		0.1	0.1	9	0.1	0.1		1				
<i>Triodia vanleeuwenii</i>			7			12										25		27						25			30	35	32			80	50							20	12	0.1	15				30	25					
<i>Triodia wiseana</i>			25		0.1	0.1	40	35						0.1				35	0.1	1	40	1	40							55	2	0.1		15		25																	
<i>Tripogonella loliformis</i>				0.1																																																	
<i>Triraphis mollis</i>																																																					
<i>Triumfetta maconochieana</i>																																																					
<i>Urochloa occidentalis</i> var. <i>ciliata</i>	0.1																																																				
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>		0.5									7		0.1	12																																							
<i>Urochloa piligera</i>																																																					
* <i>Vachellia farnesiana</i>																							0.1																														
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																																																					
<i>Vigna</i> sp.																																																					
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)		0.1									0.1		0.1									0.1																											0.1				
<i>Vincetoxicum lineare</i>																						0.1			0.1					0.1										0.1			0.1	0.1									
<i>Vittadinia dissecta</i> var. <i>hirta</i>																																																					
<i>Wahlenbergia</i> sp.																																																					
<i>Wahlenbergia tumidifructa</i>																																																					
<i>Waltheria indica</i>					0.1																																																
<i>Waltheria virgata</i>																																																					
<i>Yakirra australiensis</i>																																																					
<i>Yakirra australiensis</i> var. <i>australiensis</i>																																																					

? denotes unconfirmed ID

* denotes weed species

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<i>Abutilon ?amplum</i>																																																			
<i>Abutilon amplum</i>																				0.1																															
<i>Abutilon cryptopetalum</i>																								0.1	0.1					0.1						0.1	0.1														
<i>Abutilon ?cunninghamii</i>																																																			
<i>Abutilon cunninghamii</i>									0.1																			0.1																							
<i>Abutilon fraseri</i> subsp. <i>fraseri</i>						0.1																			0.1										0.1																
<i>Abutilon ?lepidum</i>																																																			
<i>Abutilon lepidum</i>							0.1																					0.1																							
<i>Abutilon macrum</i>								0.1																	0.1	0.1																									
<i>Abutilon malvifolium</i>																																																			
<i>Abutilon otocarpum</i>			0.1	0.1						0.1	0.1			0.1									0.1	0.1			0.1		0.1					0.1																	
<i>Abutilon</i> sp.																																													0.1						
<i>Abutilon</i> sp. <i>Dioicum</i> (A.A. Mitchell PRP 1618)																																							0.1	0.1											
<i>Acacia adoxa</i> var. <i>adoxo</i>	4											0.1			0.1	0.5	0.1																													0.1					
<i>Acacia ?adsurgens</i>																																																			
<i>Acacia adsurgens</i>																							0.1																									0.1			
<i>Acacia ancistrocarpa</i>																																																			
<i>Acacia aneura</i>																																																	0.1		
<i>Acacia aptaneura</i>	0.1	2.5	2	6	0.1	5	0.1	0.1	0.1	6	6		0.1	4				0.1	0.1		0.1	11	0.1	4	6	0.1	5	0.5	0.1				5	8	0.1	1	2		0.5	10	0.5	3									
<i>Acacia arida</i>															7																																				
<i>Acacia atkinsiana</i>																																																			
<i>Acacia ayersiana</i>								1.5																				0.1	0.1																						
<i>Acacia bivenosa</i>	0.1								0.1				0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.5	0.1										0.1								0.1					
<i>Acacia catenulata</i> subsp. <i>occidentalis</i>							0.1	2						3													2			12	22	0.1	3	4	4			10		11	15	15	27	15	2	62					
<i>Acacia citrinoviridis</i>								0.1																												3				0.1						18					
<i>Acacia colei</i> var. <i>colei</i>																																																			
<i>Acacia cowleana</i>																																																			
<i>Acacia dictyophleba</i>																		0.1		0.1																															
<i>Acacia elachantha</i>																																																			
<i>Acacia hamersleyensis</i>																										0.1	0.1												0.1	3	0.1		0.1	0.1							
<i>Acacia hilliana</i>	20												5			8	0.1																																		
<i>Acacia inaequilatera</i>													0.1					0.1		0.1								0.5																							
<i>Acacia incurvaneura</i>								2																				0.1																							
<i>Acacia kempeana</i>													0.1											8																											
<i>Acacia macraneura</i>																																																			

Taxa	RQ253	RQ269	RQ271	RQ273	RQ275	RQ276	RQ277	RQ278	RQ280	RQ292	RQ294	RQ305	RQ308	RQ326	RQ449	RQ455	RQ457	RQ469	RQ480	RQ484	RQ485	RQ486	RQ487	RQ520	RR002	RR048	RR055	RR071	RR077	RR083	RR099	RR101	RR115	RR154	RR161	RR166	RR168	RR169	RR175	RR184	RR248	RR501									
<i>Acacia maitlandii</i>																0.1										0.1	0.1						0.1						1												
<i>Acacia murrumbidgei</i>	0.1							2					4		0.1			0.1								0.1																									
<i>Acacia monticola</i>																																																			
<i>Acacia mulganeura</i>																																					0.1			0.1			0.5								
<i>Acacia orthocarpa</i>																																																			
<i>Acacia pachyacra</i>									0.1				0.1			0.1		0.1		0.1																															
<i>Acacia pruinocarpa</i>	0.1		0.1	0.1			0.1	0.1		1	0.1	0.1	1	2	0.1	0.1						2	0.1	0.1	0.1	0.1	1	1	0.1	2			1						0.1		0.1	0.1									
<i>Acacia pteraneura</i>																																																			
<i>Acacia pyrifolia</i>																																																			
<i>Acacia pyrifolia</i> var. <i>pyrifolia</i>												0.1					0.1																	0.1								0.1									
<i>Acacia rhodophloia</i>								2					0.1										0.5				0.1		1		0.1						0.1														
<i>Acacia rhodophloia</i> x <i>adsurgens</i>																																																			
<i>Acacia rhodophloia</i> x ? <i>sibirica</i>																																																			
<i>Acacia rhodophloia</i> x <i>sibirica</i>																							1																												
<i>Acacia sibirica</i>	0.1					0.1	2						1					0.1		0.1	0.1		1			0.1			0.1					0.1										0.1							
<i>Acacia spondylophylla</i>	0.1																																																		
<i>Acacia subtiliformis</i> P3																		0.1		0.1	0.1																														
<i>Acacia synchronica</i>									0.1										0.1	0.1																															
<i>Acacia tenuissima</i>	0.1								0.1	0.5								0.1		0.1	0.1					0.1																					0.1				
<i>Acacia tetragonophylla</i>	0.1			0.1		0.1	0.1											0.1	0.1	0.1		0.1	0.1	0.1						1					0.1									0.1	0.1						
<i>Acacia trudgeniana</i>												0.1	0.1																																						
<i>Acacia tumida</i> var. <i>pilbarensis</i>																																																			
<i>Acrachne racemosa</i>						0.1																																													
<i>Adriana tomentosa</i>																																																			
<i>Afrohybanthus aurantiacus</i>	0.1											0.1					0.1																																		
<i>Alloteropsis cimicina</i>																																																			
<i>Alternanthera angustifolia</i>											0.1																																								
<i>Alternanthera denticulata</i>																																																			
<i>Alternanthera nana</i>		0.1		0.1																																												0.1			
<i>Amaranthus cuspidifolius</i>						0.1																																													
<i>Amaranthus undulatus</i>																																																			
<i>Ammannia multiflora</i>																																																			
<i>Amphipogon sericeus</i>	0.1											0.1			2.5	0.1	0.1																																		
<i>Amyema hilliana</i>																																																			
<i>Amyema</i> sp.																																																			

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Taxa	RQ253	RQ269	RQ271	RQ273	RQ275	RQ276	RQ277	RQ278	RQ280	RQ292	RQ294	RQ305	RQ308	RQ326	RQ449	RQ455	RQ457	RQ469	RQ480	RQ484	RQ485	RQ486	RQ487	RQ520	RR002	RR048	RR055	RR071	RR077	RR083	RR099	RR101	RR115	RR154	RR161	RR166	RR168	RR169	RR175	RR184	RR248	RR501													
<i>Androcalva laxophylla</i>																																																							
<i>Androcalva luteiflora</i>	0.5												0.1																							0.5	0.1	0.1					0.1												
<i>Anthobolus leptomerioides</i>								0.1					0.1					0.1																																					
<i>Areocleome oxalidea</i>																																																							
<i>Aristida contorta</i>	0.1	0.1	5	1	0.1	0.1	0.1		0.1	2	5		0.1	0.5	0.1			0.1						5		6			0.1		0.1	0.1		0.5	0.1					0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1							
<i>Aristida holathera</i> var. <i>holathera</i>			0.1										0.1	0.1				0.1					0.1	0.1		0.1																					0.1								
<i>Aristida ?inaequiglumis</i>																																																							
<i>Aristida inaequiglumis</i>			0.1			0.1	0.1			0.5	0.1	0.1		1									0.1				0.1							0.1		0.1		0.1			0.1	0.1													
<i>Aristida ?ingrata</i>																																																							
<i>Aristida ingrata</i>				6				0.1					0.1																																										
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3			0.1									0.1																0.1		0.1	0.1													0.1				0.1							
<i>Aristida latifolia</i>		10			1							0.1													2																														
<i>Aristida lazaridis</i> P2																																																							
<i>Aristida nitidula</i>																																																							
<i>Aristida obscura</i>			0.1	0.1		0.1	0.1			0.1	0.1		4										0.1	0.1	0.1	0.1	0.1				0.5			0.1	0.1								0.1			0.1		0.1		0.1					
<i>Aristida pruinosa</i>																																																							
<i>Aristida</i> sp.																			0.1																																				
<i>Arivela viscosa</i>		0.1	0.1	1		0.1																	0.1		0.1										0.1	0.1													0.1						
Asteraceae sp.																																																							
<i>Astrebla elymoides</i>		0.5			1																																																		
<i>Astrebla pectinata</i>					40																																																		
? <i>Astrebla</i> sp.																																																							
<i>Astrotricha hamptonii</i>																																																		0.1	0.5	0.1		0.1	
<i>Atriplex ?bunburyana</i>																																																							
<i>Atriplex codonocarpa</i>									0.1																																														
<i>Austrobryonia pilbarensis</i>		0.5	0.1	0.1																																																			
<i>Bergia ?pedicellaris</i>																																																							
<i>Bergia pedicellaris</i>																																																							
* <i>Bidens bipinnata</i>		0.1	0.1	0.1		0.1		0.1		0.1	0.1		0.1										0.5		0.5	0.5	0.1				0.5	0.1		0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				
<i>Blumea tenella</i>											0.1																																												
<i>Boerhavia burbigdeana</i>																																																							
<i>Boerhavia coccinea</i>				0.1		0.1																	0.1		0.1																							0.1							
<i>Boerhavia gardneri</i>																																				0.1																			
<i>Boerhavia paludosa</i>		0.1			0.1																																																		
<i>Boerhavia repleta</i>																																																							

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<i>Boerhavia schomburgkiana</i>																																															
<i>Bonamia erecta</i>																																															
<i>Bonamia pilbarensis</i>															0.1																																
<i>Bothriochloa ewartiana</i>																																		0.1													
<i>Bothriochloa</i> sp.																																															
<i>Brachychiton acuminatus</i>																																						0.1									
<i>Brunonia australis</i>														0.1																																	
<i>Bulbine pendula</i>																																															
<i>Bulbostylis barbata</i>			0.1						0.1			0.1	0.1		0.1											0.1						0.1											0.1				
<i>Bulbostylis turbinata</i>		5			1				0.1	0.1												0.1																									
<i>Calandrinia ptychosperma</i>		0.1		0.1																																											
<i>Calandrinia ?pumila</i>																																															
<i>Calandrinia pumila</i>												0.5																																			
<i>Calandrinia reticulata</i>																																															
<i>Calandrinia stagnensis</i>																																															
<i>Calocephalus pilbarensis</i>																																															
<i>Calotis latiuscula</i>																																															
<i>Calotis plumulifera</i>																																															
<i>Calytrix carinata</i>	0.1																0.1																														
<i>Capparis lasiantha</i>							0.1												0.1	0.1		0.1					0.1	0.1		0.1							0.1	0.1	0.1								
<i>Capparis spinosa</i> subsp. <i>nummularia</i>																																															
<i>Cassytha capillaris</i>																0.1					0.1																										
* <i>Cenchrus ciliaris</i>																																															
* <i>Cenchrus setiger</i>																																															
<i>Centipeda minima</i>																																															
<i>Centipeda minima</i> subsp. <i>macrocephala</i>																																															
<i>Cheilanthes brownii</i>																																															
<i>Cheilanthes lasiophylla</i>																																															
<i>Cheilanthes sieberi</i>										0.1																									0.1												
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>		0.1	0.1	0.1				0.1	0.1			0.1	0.1					0.1				0.1			0.1	0.1	0.1			0.1					0.1	0.1	0.1			0.1	0.1	0.1					
<i>Chloris ?barbata</i>																																															
* <i>Chloris virgata</i>						4																																									
<i>Chrysocephalum apiculatum</i> subsp. <i>pilbarensis</i>																																															
<i>Chrysocephalum gilesii</i>		0.1		0.1					0.1	0.1			0.1									0.1			0.1																						
<i>Chrysocephalum pterochaetum</i>															0.1	0.1	0.1												0.1																		

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<i>Chrysopogon fallax</i>		6	0.1	3	0.1	0.1				0.5	0.5			0.1								0.1		0.5			0.1		0.1		0.1	1	10								0.1		0.1				
<i>Clerodendrum floribundum</i> var. <i>angustifolium</i>																													0.1					0.1	0.1	0.1					0.1	0.1					
<i>Clerodendrum floribundum</i> var. <i>floribundum</i>																																															
<i>Clerodendrum tomentosum</i>																	0.1																														
<i>Codonocarpus cotinifolius</i>	0.1												0.1													0.1									0.1		0.1	0.1			0.1		0.1				
<i>Commelina ensifolia</i>																																															
<i>Convolvulaceae</i> sp.																																															
<i>Convolvulus clementii</i>		0.5		0.1		0.1																																									
<i>Convolvulus remotus</i>																																															
<i>Corchorus lasiocarpus</i> subsp. <i>parvus</i>	0.1							0.1	0.1			0.1	0.1		0.5	0.1	0.1	0.1						0.1		0.1			0.1					0.1	0.1						0.1						
<i>Corchorus parviflorus</i>																																															
<i>Corchorus sidoides</i>																																															
<i>Corchorus</i> sp.																																															
<i>Corchorus tridens</i>					0.1																			0.1							0.1																
<i>Corymbia candida</i>		0.5																														0															
<i>Corymbia deserticola</i> subsp. <i>deserticola</i>	0.5												0.1										0.1																								
<i>Corymbia ferritcola</i>																								0.5				4								15	15	0.1	1	0.5							
<i>Corymbia hamersleyana</i>								0.5			0.1						0.5	0.5								0.1			0.5				3										1				
<i>Crotalaria medicaginea</i> var. <i>neglecta</i>																																															
<i>Cryptandra monticola</i>																																															
<i>Cucumis melo</i>											0.1																																			0.1	
<i>Cucumis variabilis</i>		0.1	0.1	0.1		0.1				0.1			0.1									0.1							0.1																		
<i>Cullen cinereum</i>																																															
<i>Cullen graveolens</i>																																															
<i>Cullen pognocarpum</i>																																															
<i>Cymbopogon ambiguus</i>	0.1						0.1					0.1					0.5	0.1						0.1		0.1		0.5						0.1	0.1	2		0.1									
<i>Cymbopogon obtectus</i>																								0.1																							
<i>Cymbopogon</i> sp.																							0.1																								
<i>Cynanchum floribundum</i>																																															
<i>Cynanchum pedunculatum</i>																																															
<i>Cynanchum viminale</i> subsp. <i>australe</i>																																															
<i>Cynodon convergens</i>					0.5																			0.1																							
<i>Cynodon prostratus</i>									0.1										0.1																												
<i>Cyperus bulbosus</i>											0.1																																				
<i>Cyperus iria</i>																																															

Taxa	RQ253	RQ269	RQ271	RQ273	RQ275	RQ276	RQ277	RQ278	RQ280	RQ292	RQ294	RQ305	RQ308	RQ326	RQ449	RQ455	RQ457	RQ469	RQ480	RQ484	RQ485	RQ486	RQ487	RQ520	RR002	RR048	RR055	RR071	RR077	RR083	RR099	RR101	RR115	RR154	RR161	RR166	RR168	RR169	RR175	RR184	RR248	RR501				
<i>Enchylaena tomentosa</i> x <i>Maireana georgei</i>																			0.1	0.1																										
<i>Enneapogon avenaceus</i>																																														
<i>Enneapogon caeruleus</i>				0.1					0.1						0.1						0.1		0.1						0.1	0.1																
<i>Enneapogon ?lindleyanus</i>																																										0.1				
<i>Enneapogon lindleyanus</i>																						0.1											0.1									0.1				
<i>Enneapogon polyphyllus</i>		0.1	0.1	6	0.1	2	0.1	0.1	0.1	0.1	0.1		1		0.1				0.1		0.1	0.1	0.1	0.1	1	0.1	0.1	0.1	0.1		0.5	30	0.1		0.1	0.1	0.1	0.5	0.1	0.1						
<i>Enneapogon robustissimus</i>						0.1																																								
<i>Enneapogon</i> sp.				0.1																																										
<i>Enteropogon ramosus</i>											0.1													0.1									0.1													
<i>Eragrostis cumingii</i>		0.5								0.1	0.5		0.1									0.1																					0.1			
<i>Eragrostis desertorum</i>																																														
<i>Eragrostis dielsii</i>																																														
<i>Eragrostis eriopoda</i>	0.1												0.1			0.1																														
<i>Eragrostis leptocarpa</i>																																														
<i>Eragrostis pergracilis</i>		17	0.1								0.5		0.1									0.1																								
<i>Eragrostis setifolia</i>		0.1																						0.1	0.1																			0.1		
<i>Eragrostis setifolia</i> x <i>xerophila</i>																																														
<i>Eragrostis</i> sp.																																														
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1			0.1																																											
<i>Eragrostis tenellula</i>		0.1			0.1																																									
<i>Eragrostis xerophila</i>					0.5																																									
<i>Eremophila caespitosa</i>			4																																											
<i>Eremophila clarkei</i>													0.1																																	
<i>Eremophila exilifolia</i>	0.1							5				2.5																																		
<i>Eremophila ?forrestii</i>																											0.1																			
<i>Eremophila forrestii</i> subsp. <i>forrestii</i>	0.1		1		0.1								0.5									2.5		1						1		0.5														
<i>Eremophila fraseri</i> subsp. <i>fraseri</i>								2																																						
<i>Eremophila galeata</i>																									0.1										1											
<i>Eremophila ?jucunda</i>																																														
<i>Eremophila jucunda</i> subsp. <i>pulcherrima</i>																																		1	0.1	0.1										
<i>Eremophila lachnocalyx</i>					0.1														0.1																											
? <i>Eremophila lanceolata</i>																																														
<i>Eremophila lanceolata</i>		0.1		0.1						0.5	0.1																																			
<i>Eremophila latrobei</i>								0.1																																						
<i>Eremophila latrobei</i> subsp. <i>filiformis</i>																																														

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<i>Euphorbia boophthona/tannensis</i>																																																	
<i>Euphorbia coghlanii</i>						0.1																																											
<i>Euphorbia drummondii</i>			0.1					0.1			0.1														0.1				0.1									0.1		0.1	0.1								
<i>Euphorbia ferdinandi</i> var. <i>ferdinandi</i>			0.1								0.1																																						
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2																																																	
<i>Euphorbia</i> sp.														0.1																																			
<i>Euphorbia tannensis</i> subsp. <i>eremophila</i>	0.1	0.1											0.1																																				
<i>Euphorbia trigonosperma</i>		0.1			1.5																																												
<i>Euphorbia vaccaria</i> var. <i>vaccaria</i>																																																	
<i>Evolvulus alsinoides</i> var. <i>decumbens</i>																																											0.1			0.1			
<i>Evolvulus alsinoides</i> var. <i>villosicalyx</i>	0.1	0.1	0.1	0.1	0.1	0.1		0.1		0.1	0.1		0.1	0.1								0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.1			0.1				0.1	0.1							
<i>Exocarpos sparteus</i>																																																	
<i>Ficus brachypoda</i>																															0.4						0.1	0.5	0.1		0.1								
<i>Fimbristylis depauperata</i>																																																	
<i>Fimbristylis dichotoma</i>				0.1	0.1					0.1	0.1		0.1				0.1		0.1																										0.1				
<i>Fimbristylis microcarya</i>																																																	
<i>Fimbristylis simulans</i>																	0.1																																
<i>Fimbristylis</i> sp.																																																	
* <i>Flaveria trinervia</i>																																																	
<i>Gastrolobium grandiflorum</i>																																															0.1		
<i>Glycine canescens</i>																																																	
<i>Glycine falcata</i> P3																																																	
<i>Gompholobium oreophilum</i>	0.1												0.1			0.1	0.1								0.1																						0.2		
<i>Gomphrena canescens</i> subsp. <i>canescens</i>																																																0.1	0.1
<i>Gomphrena cunninghamii</i>				0.1						0.1																																					0.1	0.1	
<i>Gomphrena kanisii</i>		0.1	0.1																																														
<i>Gomphrena lanata</i>											0.1																																						
<i>Goodenia connata</i>																																																	
<i>Goodenia cusackiana</i>																																																	
<i>Goodenia lamprosperma</i>																																																	
<i>Goodenia microptera</i>																																																	0.1
<i>Goodenia muelleriana</i>					0.1		0.1	0.1						0.1	0.1	0.1				0.1	0.1										0.1															0.1	0.1		
<i>Goodenia ?nuda</i>				0.1																																													
<i>Goodenia nuda</i> P4										0.1	0.1																																						
<i>Goodenia pasqua</i>																																																	0.1

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<i>Goodenia prostrata</i>		0.1		0.1						0.1	0.1			0.1										0.1																										
? <i>Goodenia</i> sp.																																																		
<i>Goodenia</i> sp.	0.1									0.1																																								
<i>Goodenia stellata</i>																																																		
<i>Goodenia stobbsiana</i>	0.1							0.1				0.1	0.1		0.1	0.1											0.1		0.1																					
<i>Goodenia triodiophila</i>	0.1											0.1	0.1		0.1	0.1	0.1	0.1					0.1				0.1																							
<i>Goodenia vilmorinae</i>	0.1												0.1																																	0.1				
<i>Gossypium robinsonii</i>																	0.1																																	
<i>Gossypium sturtianum</i> var. <i>sturtianum</i>																																														0.1				
<i>Grevillea berryana</i>			1					1									0.1						1		0.1	0.1	0.1	0.1		0.1	0.5						0.1	0.1	0.1					2						
<i>Grevillea wickhamii</i> subsp. <i>hispidula</i>												0.1				0.1																																		
<i>Grona filiformis</i>					0.1																																													
<i>Grona muelleri</i>																																																		
<i>Hakea chordophylla</i>	0.1						0.1	0.1		0.1		0.5		0.1	1.5	0.5	1	0.1		0.1							0.1																							
<i>Hakea lorea</i> subsp. <i>lorea</i>		0.5		0.5																0.1																														
<i>Haloragis</i> ? <i>gossei</i>																																																		
<i>Haloragis gossei</i>																																																		
<i>Haloragis gossei</i> var. <i>gossei</i>		0.1																																																
<i>Haloragis maierae</i>																																																		
<i>Haloragis odontocarpa</i>																																																		
<i>Haloragis</i> sp.																																																		
<i>Heliotropium chrysocarpum</i>																		0.1		0.1																														
<i>Heliotropium conocarpum</i>					0.1																																													
<i>Heliotropium cunninghamii</i>													0.1																																					
<i>Heliotropium heteranthum</i>			0.1	0.1																			0.1		0.1																									
<i>Heliotropium inexplicitum</i>																0.1												0.1			0.1																			
<i>Heliotropium pachyphyllum</i>																																																		
<i>Heliotropium skeleton</i>																																																		
<i>Heliotropium tanythrix</i>		0.1		0.1																					0.1																									
<i>Hibiscus brachysiphonius</i>					0.1																																													
<i>Hibiscus burtonii</i>			0.1	0.1		0.1	0.1			0.1	0.1			0.1												0.1		0.1																				0.1		
<i>Hibiscus</i> ? <i>coatesii</i>																																																		
<i>Hibiscus coatesii</i>								0.1	0.1									0.1								0.1	0.1	0.1		0.1						0.1						0.1	0.1							
<i>Hibiscus leptocladus</i>																																																		
<i>Hibiscus</i> sp.																																																		

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<i>Maireana planifolia</i>																																																						
<i>Maireana planifolia</i> x <i>villosa</i>																						0.1																																
<i>Maireana</i> sp.									0.1															0.1																														
<i>Maireana thesioides</i>									0.1										0.1	0.1																																		
<i>Maireana tomentosa</i> subsp. <i>tomentosa</i>							0.1		0.1										0.1											0.1																								
<i>Maireana triptera</i>																																																						
<i>Maireana ?villosa</i>																																																						
<i>Maireana villosa</i>						0.1				0.1	0.1											0.1					0.1														0.1	0.1												
<i>Malvaceae</i> sp.												0.1																																										
* <i>Malvastrum americanum</i>																																																						
<i>Marsilea ?hirsuta</i>																																																						
<i>Marsilea hirsuta</i>																																																						
<i>Melaleuca eleuterostachya</i>																			0.1																																			
<i>Melhania oblongifolia</i>																							0.1																															
<i>Mimulus gracilis</i>																																																						
<i>Minuria integerrima</i>																																																						
<i>Mirbelia viminalis</i>	0.1											0.1			0.1																																							
<i>Monachather paradoxus</i>																																																						
<i>Neptunia dimorphantha</i>		0.1		0.1	0.1																																																	
<i>Nicotiana benthamiana</i>																																																						
<i>Nicotiana ?occidentalis</i>																																																						
<i>Nicotiana occidentalis</i>																																																						
<i>Nicotiana ?simulans</i>																																																						
<i>Nicotiana simulans</i>										0.1																																												
<i>Nicotiana</i> sp.																							0.1																															
<i>Notoleptopus decaisnei</i>																																																						
<i>Notoleptopus decaisnei</i> var. <i>decaisnei</i>																																																						
<i>Operculina aequisepala</i>						0.5																																																
<i>Ophioglossum lusitanicum</i>																																																						
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2																																																						
<i>Panicum decompositum</i>												0.1																																										
<i>Panicum effusum</i>			0.1	0.1		0.1				0.1				0.1																																								
<i>Panicum laevinode</i>						0.1																																																
<i>Panicum</i> sp.																																																						
? <i>Paraneurachne muelleri</i>																																																						

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<i>Paraneurachne muelleri</i>	0.1		0.1					0.1	0.1			0.1	0.1		0.1	0.1	0.1	0.1		0.1				0.1	0.1								0.1							0.1	0.1	0.1											
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1																																0.1																					
<i>Paspalidium basicladum</i>																																0.1																					
<i>Paspalidium clementii</i>	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1			0.1	0.1				0.1	0.1						0.1	0.1										0.1		0.1	0.1			0.5											
<i>Paspalidium rarum</i>										0.1	0.1																										0.1				0.1												
<i>Peplidium maritimum</i>																																																					
<i>Peplidium</i> sp. C Evol. Fl. Fauna Arid Aust. (N.T. Burbidge & A. Kanis 8158)																																																					
<i>Peplidium</i> sp. E Evol. Fl. Fauna Arid Aust. (A.S. Weston 12768)																																																					
<i>Peripleura arida</i>						0.1																												0.1		0.1							0.1										
<i>Peripleura virgata</i>																											0.1			0.1															0.1								
<i>Perotis rara</i>		17	2	0.1		0.1		0.1		8	0.5			2								0.5		0.1	0.1	0.1							0.1		0.1	0.1						0.1	0.1										
<i>Petalostylis labicheoides</i>																										0.1	0.1																		0.1								
<i>Phyllanthus erwinii</i>																								0.1																													
<i>Phyllanthus maderaspatensis</i>				0.1	0.1																														0.1																		
<i>Pimelea holroydii</i>																																																					
<i>Plantago cunninghamii</i>																																																					
<i>Pluchea dentex</i>																																																					
Poaceae sp.																																																					
<i>Polycarpaea corymbosa</i> var. <i>corymbosa</i>			0.1	0.1						0.1			0.1																						0.1																		
<i>Polycarpaea holtzei</i>																	0.1																																				
<i>Polycarpaea longiflora</i>																								0.1																													
<i>Polygala glaucifolia</i>																								0.1																													
<i>Polygala glaucifolia</i>				0.1						0.1														0.1																													
<i>Polygala</i> sp.																																																					
<i>Polymeria ambigua</i>																																																					
<i>Polymeria longifolia</i>																																																					
<i>Portulaca cyclophylla</i>																																		0.1																			
<i>Portulaca filifolia</i>				0.1																																																	
<i>Portulaca intraterranea/oleracea</i>		0.1	0.1	0.1																																																	
<i>Portulaca oleracea</i>						0.1					0.1													0.1																													
<i>Prostanthera albiflora</i>																																																					
<i>Psydrax latifolia</i>		0.1	0.1								0.1																		0.1	0.1			0.1			0.1	0.1	0.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
<i>Psydrax rigidula</i>																																																					
<i>Psydrax suaveolens</i>										0.1	0.1		0.1									0.1	0.1																														

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<i>Pterocaulon serrulatum</i>																																																
<i>Pterocaulon</i> sp.										0.1																																0.1						
<i>Pterocaulon sphacelatum</i>		0.1	0.1			0.1					0.1											0.1		0.1							0.1													0.1				
<i>Pterocaulon sphaeranthoides</i>				0.1																																												
<i>Ptilotus aervoides</i>																																																
<i>Ptilotus astrolasius</i>																								0.1												0.1												
<i>Ptilotus auriculifolius</i>						0.1												0.1					0.1																									
<i>Ptilotus calostachyus</i>	0.1											0.1	0.1		0.1	0.1	0.1	0.1					0.1				0.1			0.1					0.1													
<i>Ptilotus ?carinatus</i>																																																
<i>Ptilotus carinatus</i>					0.1																																											
<i>Ptilotus clementii</i>															0.1								0.1					0.1			0.1																	
<i>Ptilotus exaltatus</i>		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1	0.1			0.1	0.1	0.1	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1				
<i>Ptilotus fusiformis</i>																																															0.1	
<i>Ptilotus gaudichaudii</i>		0.1	0.1	0.1						0.1	0.5											0.1		0.1										0.1														
<i>Ptilotus gomphrenoides</i>		0.1	0.1			0.1																																										
<i>Ptilotus helipteroides</i>				1		0.1				0.1	0.1			0.1									0.1		0.1								0.1												0.1			
<i>Ptilotus incanus</i>																																												1		0.1		
<i>Ptilotus obovatus</i> var. <i>obovatus</i>			0.1	1		1	0.1			0.1	0.1			0.5		0.1		0.1		0.1	0.1	0.1		0.1	0.5	0.1	0.1		0.1	0.1			0.1	0.1	0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
<i>Ptilotus polystachyus</i>		2	0.1	0.5										0.1											0.1																							
<i>Ptilotus roei</i>		0.1	0.1	0.1																				0.1																								
<i>Ptilotus rotundifolius</i>							0.1										0.1	0.1										0.5	0.1		0.1						0.1											
<i>Ptilotus schwartzii</i> var. <i>schwartzii</i>			0.1						0.1				0.1														0.1																					
<i>Ptilotus</i> sp.																																																
<i>Ptilotus xerophilus</i>						0.1				0.1	0.1																																					
<i>Rhagodia eremaea</i>						2																						0.1		0.1					0.1													
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3		0.1	0.1	0.1		0.1	0.1			0.1	0.1			0.1								0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			
<i>Rhodanthe charsleyae</i>		1		0.1																																												
<i>Rhodanthe margarethae</i>																												0.1																			0.1	
<i>Rhodanthe propinqua</i>																																																
<i>Rhynchosia minima</i>		0.1		0.1	0.1																																									0.1		
<i>Roebuckiella similis</i>		0.1								0.1	0.1																																					
<i>Rutidosia helichrysoides</i> subsp. <i>helichrysoides</i>																																																
<i>Salsola australis</i>				0.1		0.1			0.1	0.1				0.1									0.1		0.1																				0.1			
<i>Santalum lanceolatum</i>																				0.1							0.1																	0.1	0.1			
<i>Santalum spicatum</i>																																															0.1	

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<i>Scaevola amblyanthera</i> var. <i>amblyanthera</i>																																																							
<i>Scaevola amblyanthera</i> var. <i>centralis</i>																																																							
<i>Scaevola browniana</i> subsp. <i>browniana</i>	0.1											0.1	0.1			0.1																																							
<i>Scaevola parvifolia</i>																																																							
<i>Scaevola parvifolia</i> subsp. <i>pilbarae</i>																																																							
<i>Scaevola spinescens</i>																			0.1	0.1																																			
<i>Schizachyrium fragile</i>	0.1		0.1				0.1	0.1				0.1	0.1	0.1	0.1		0.1	0.1				0.1			0.1		0.1															0.1	0.1												
<i>Schoenoplectiella dissachantha</i>																																																							
<i>Schoenoplectiella laevis</i>																																																							
<i>Sclerolaena</i> aff. <i>diacantha</i>																			0.1																																				
<i>Sclerolaena cornishiana</i>				0.1						0.1													0.1																																
<i>Sclerolaena cuneata</i>									0.1																																														
<i>Sclerolaena densiflora</i>																						0.1																																	
<i>Sclerolaena tetragona</i>																																																							
<i>Senna artemisioides</i> subsp. <i>filifolia</i>		0.5																																													0.1								
<i>Senna artemisioides</i> subsp. <i>helmsii</i>								0.1														0.1				1		0.1																		0.1									
<i>Senna artemisioides</i> subsp. <i>oligophylla</i>																	0.1	0.1		0.1								0.1							0.1																				
<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x <i>helmsii</i>																																																							
<i>Senna artemisioides</i> subsp. <i>petiolaris</i>																																																							
<i>Senna artemisioides</i> subsp. x <i>artemisioides</i>																																															0.1			0.1					
<i>Senna artemisioides</i> subsp. x <i>sturtii</i>																																																							
<i>Senna ferraria</i>								0.1											0.1																																				
<i>Senna glaucifolia</i>	0.1								0.1			0.1	0.1				0.1	0.1					0.1		0.1																														
<i>Senna glutinosa</i> subsp. <i>glutinosa</i>	0.1							0.1	0.1							0.1		0.1	0.1					0.1		0.1	0.1	0.1	0.1																										
<i>Senna glutinosa</i> subsp. <i>pruinosa</i>							0.1	0.1				0.1				0.1	0.1	0.1					0.1						0.1																										
<i>Senna glutinosa</i> subsp. x <i>luerssenii</i>	0.1							0.1	0.1	0.1			0.1														0.1	0.1	0.1	0.1																						0.1			
<i>Senna hamersleyensis</i>						0.1																																																	
<i>Senna notabilis</i>		0.1								0.1	0.1			0.1																																									
<i>Senna pleurocarpa</i> var. <i>angustifolia</i>																																																							
<i>Senna pleurocarpa</i> var. <i>pleurocarpa</i>																																																							
<i>Senna sericea</i>																																																							
<i>Senna</i> sp.																																																							
<i>Senna stricta</i>																																																							
<i>Senna stricta</i> x <i>glutinosa</i>																																																							
<i>Senna venusta</i>																																																							



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<i>Seringia exastia</i>								0.1				2											0.1			0.1								0.1														
<i>Seringia nephrosperma</i>																	0.1																															
<i>Seringia sp.</i>																																																
<i>Setaria dielsii</i>						3																												0.1														
<i>Setaria surgens</i>																																											0.1					
* <i>Setaria verticillata</i>						0.1																												0.1														
<i>Sida ?arenicola</i>																																																
<i>Sida arenicola</i>	0.1											0.1	0.1																0.1	0.1																		
<i>Sida arsiniata</i>														0.1																																		
<i>Sida calyxhyemia</i>																				0.1																												
<i>Sida cardiophylla</i>																																																
<i>Sida ?clementii</i>																																																
<i>Sida ?echinocarpa</i>																																																
<i>Sida echinocarpa</i>						0.1	0.1					0.1			0.1		0.1										0.1																					
<i>Sida ectogama</i>														0.1								0.1												0.1										0.1				
<i>Sida ?fibulifera</i>																																																
<i>Sida fibulifera</i>		0.1	0.1		0.1								0.1							0.1				0.1									0.1	0.1		0.1												
<i>Sida platycalyx</i>			0.1	0.1										0.1										0.1																								
<i>Sida rohlenae</i> subsp. <i>rohlenae</i>																																							0.1		0.1							
<i>Sida sp.</i>															0.1																				0.1													
<i>Sida ?sp. dark green fruits (S. van Leeuwen 2260)</i>																																																
<i>Sida sp. dark green fruits (S. van Leeuwen 2260)</i>																																																
<i>Sida sp. Excedentifolia (J.L. Egan 1925)</i>	0.1							0.1									0.1										0.1			0.1							0.1	0.1	0.1	0.1					0.1			
<i>Sida sp. Golden calyces glabrous (H.N. Foote 32)</i>																									0.1	0.1	0.1		0.1									0.1						0.1				
<i>Sida spinosa</i>																																																
<i>Sida sp. L (A.M. Ashby 4202)</i>				0.1							0.1											0.1	0.1																		0.1	0.1						
<i>Sida sp. Pilbara (A.A. Mitchell PRP 1543)</i>															0.1										0.1		0.1			0.1																0.1		
<i>Sida sp. Shovelanna Hill (S. van Leeuwen 3842)</i>																																																
<i>Sida ?sp. spiciform panicles (E. Leyland s.n. 14/8/90)</i>																																																
<i>Sida sp. spiciform panicles (E. Leyland s.n. 14/8/90)</i>									0.1													0.1	0.1																							0.1		
<i>Sida sp. tiny glabrous fruit (A.A. Mitchell PRP1152)</i>																																																
<i>Sida trichopoda</i>					0.1																																											
<i>Solanum centrale</i>	0.1											0.1	0.1										0.1																									
<i>Solanum cleistogamum</i>						0.1	0.1															0.1			0.1	0.1	0.1			0.1						0.1	0.1				0.1					0.1		
<i>Solanum ferocissimum</i>										0.1	0.1																																					



Rio Tinto
Rhodes Ridge – Native Vegetation Clearing Permit Report, April 2022

Taxa	RQ253	RQ269	RQ271	RQ273	RQ275	RQ276	RQ277	RQ278	RQ280	RQ292	RQ294	RQ305	RQ308	RQ326	RQ449	RQ455	RQ457	RQ469	RQ480	RQ484	RQ485	RQ486	RQ487	RQ520	RR002	RR048	RR055	RR071	RR077	RR083	RR099	RR101	RR115	RR154	RR161	RR166	RR168	RR169	RR175	RR184	RR248	RR501								
<i>Solanum horridum</i>				0.1																																0.1	0.1		0.1											
<i>Solanum lasiophyllum</i>	0.1		0.1	0.1				0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.1			0.1	0.1	0.1									0.1	0.1		0.1		0.1	0.1									
<i>Solanum ?phlomoides</i>																																																		
<i>Solanum phlomoides</i>	0.1																							0.1																										
<i>Solanum</i> sp.																																																		
<i>Spermacoce brachystema</i>			0.1	0.1				0.1		0.1	0.1			0.1								0.1		0.1							0.1																			
<i>Sporobolus australasicus</i>			0.1	0.1	0.1		0.1		0.1											0.1		0.1		0.1	0.1																0.1	0.1								
<i>Stackhousia ?intermedia</i>																0.1	0.1																																	
<i>Stackhousia muricata</i> subsp. annual (W.R. Barker 2172)																					0.1																													
<i>Stackhousia ?sp. swollen gynophore</i> (W.R. Barker 2041)	0.1																																																	
<i>Stackhousia</i> sp. swollen gynophore (W.R. Barker 2041)												0.1																																						
<i>Stemodia grossa</i>		0.1																																																
<i>Stemodia</i> sp.				0.1																																														
<i>Stenopetalum nutans</i>		0.1		0.1							0.1																																							
<i>Streptoglossa adscendens</i>		0.1																																																
<i>Streptoglossa bubakii</i>					0.1													0.1	0.1																															
<i>Streptoglossa decurrens</i>											0.1							0.1				0.1																					0.1							
<i>Streptoglossa</i> sp.																																																		
<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3																																																		
<i>Striga squamigera</i>					0.1																																													
<i>Stylobasium spathulatum</i>																																																		
<i>Swainsona canescens</i>																																																		
<i>Swainsona decurrens</i>																																																		
<i>Swainsona formosa</i>																																																		
<i>Swainsona kingii</i>						0.1																																												
<i>Swainsona thompsoniana</i> P3					0.1																																													
<i>Synaptantha tillaeacea</i> var. <i>tillaeacea</i>											0.1																																							
<i>Synostemon rhytidospermus</i>																																																		
<i>Templetonia egena</i>																			0.1																															
<i>Tephrosia densa</i>																																																		
<i>Tephrosia oxalidea</i>																0.1												0.1																						
<i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186)																																																		
<i>Tephrosia</i> sp.																																																		
<i>Tephrosia</i> sp. clay soils (S. van Leeuwen et al. PBS 0273)					0.1																																													
<i>Tephrosia supina</i>																																																		

Taxa	RQ253	RQ269	RQ271	RQ273	RQ275	RQ276	RQ277	RQ278	RQ280	RQ292	RQ294	RQ305	RQ308	RQ326	RQ449	RQ455	RQ457	RQ469	RQ480	RQ484	RQ485	RQ486	RQ487	RQ520	RR002	RR048	RR055	RR071	RR077	RR083	RR099	RR101	RR115	RR154	RR161	RR166	RR168	RR169	RR175	RR184	RR248	RR501								
<i>Teucrium teucriiflorum</i>			0.1					0.1		0.1	0.1			0.1																																				
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3						0.1																																												
<i>Themeda</i> sp. Mt Barricade (M.E. Trudgen 2471)																																																		
<i>Themeda triandra</i>		35		4						0.1	0.1			0.1		0.1	0.1		2		2			1			0.5			0.1	1	15	8	0.1			0.1			8										
<i>Themeda triandra</i> /sp. Hamersley Station (M.E. Trudgen 11431)																																	3																	
<i>Thyridolepis xerophila</i>																																																		
<i>Trachymene oleracea</i> subsp. <i>oleracea</i>	0.1																																		0.1										0.1					
<i>Tragus australianus</i>				0.1																																														
<i>Trianthema glossostigmum</i>												0.1				0.1																																		
<i>Trianthema triquetrum</i>																																																		
<i>Tribulus astrocarpus</i>		0.1		0.1						0.1																																								
<i>Tribulus hirsutus</i>																		0.1																																
<i>Tribulus suberosus</i>																													0.1										0.1											
* <i>Tribulus terrestris</i>																																																		
<i>Tribulus ?terrestris</i>																																																		
<i>Trichodesma zeylanicum</i> var. <i>zeylanicum</i>		0.1							0.1																					0.1	0.1			0.1										0.1	0.1					
<i>Tricoryne</i> sp. Hamersley Range (S. van Leeuwen 915)																																																		
<i>Trigonella suavissima</i>																																																		
<i>Triodia angusta</i>									8											5	25	18																												
<i>Triodia brizoides</i>																			25																				5								2			
<i>Triodia longiceps</i>																																																		
<i>Triodia melvillei</i>			6							1			0.5									2.5	0.1	0.1																	0.1				0.1					
<i>Triodia pungens</i>	0.1						1	2				0.1	5		0.5	2	1						3		5	5	25	45	5	25		1			4	15	5	5	3	15	15		2							
<i>Triodia vanleeuwenii</i>		30					2					40	35		15	35	20					29				25	0.5		0.1					0.5									0.1							
<i>Triodia wiseana</i>							32	23	0.1							1	20	1	15	10				0.1			25								0.5		0.1									0.1				
<i>Tripogonella loliformis</i>																																																		
<i>Triraphis mollis</i>																																																		
<i>Triumfetta maconochieana</i>																																																		
<i>Urochloa occidentalis</i> var. <i>ciliata</i>		0.1																																																
<i>Urochloa occidentalis</i> var. <i>occidentalis</i>						0.1																																												
<i>Urochloa piligera</i>																																																		
* <i>Vachellia farnesiana</i>																																																		
<i>Vigna lanceolata</i> var. <i>lanceolata</i>																									0.1																									
<i>Vigna</i> sp.																																																		
<i>Vigna</i> sp. Hamersley Clay (A.A. Mitchell PRP 113)		0.1		0.1	0.1																																													

Rio Tinto
Rhodes Ridge – Native Vegetation Clearing Permit Report, April 2022

Taxa	RQ253	RQ269	RQ271	RQ273	RQ275	RQ276	RQ277	RQ278	RQ280	RQ292	RQ294	RQ305	RQ308	RQ326	RQ449	RQ455	RQ457	RQ469	RQ480	RQ484	RQ485	RQ486	RQ487	RQ520	RR002	RR048	RR055	RR071	RR077	RR083	RR099	RR101	RR115	RR154	RR161	RR166	RR168	RR169	RR175	RR184	RR248	RR501						
<i>Vincetoxicum lineare</i>								0.1		0.1																																						
<i>Vittadinia dissecta</i> var. <i>hirta</i>																																																
<i>Wahlenbergia</i> sp.										0.1																																						
<i>Wahlenbergia tumidifruca</i>																																																
<i>Waltheria indica</i>																																																
<i>Waltheria virgata</i>																																																
<i>Yakirra australiensis</i>																																																
<i>Yakirra australiensis</i> var. <i>australiensis</i>																																																

? denotes unconfirmed ID

* denotes weed species

Appendix N: Significant Flora Locations and Descriptions

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740000

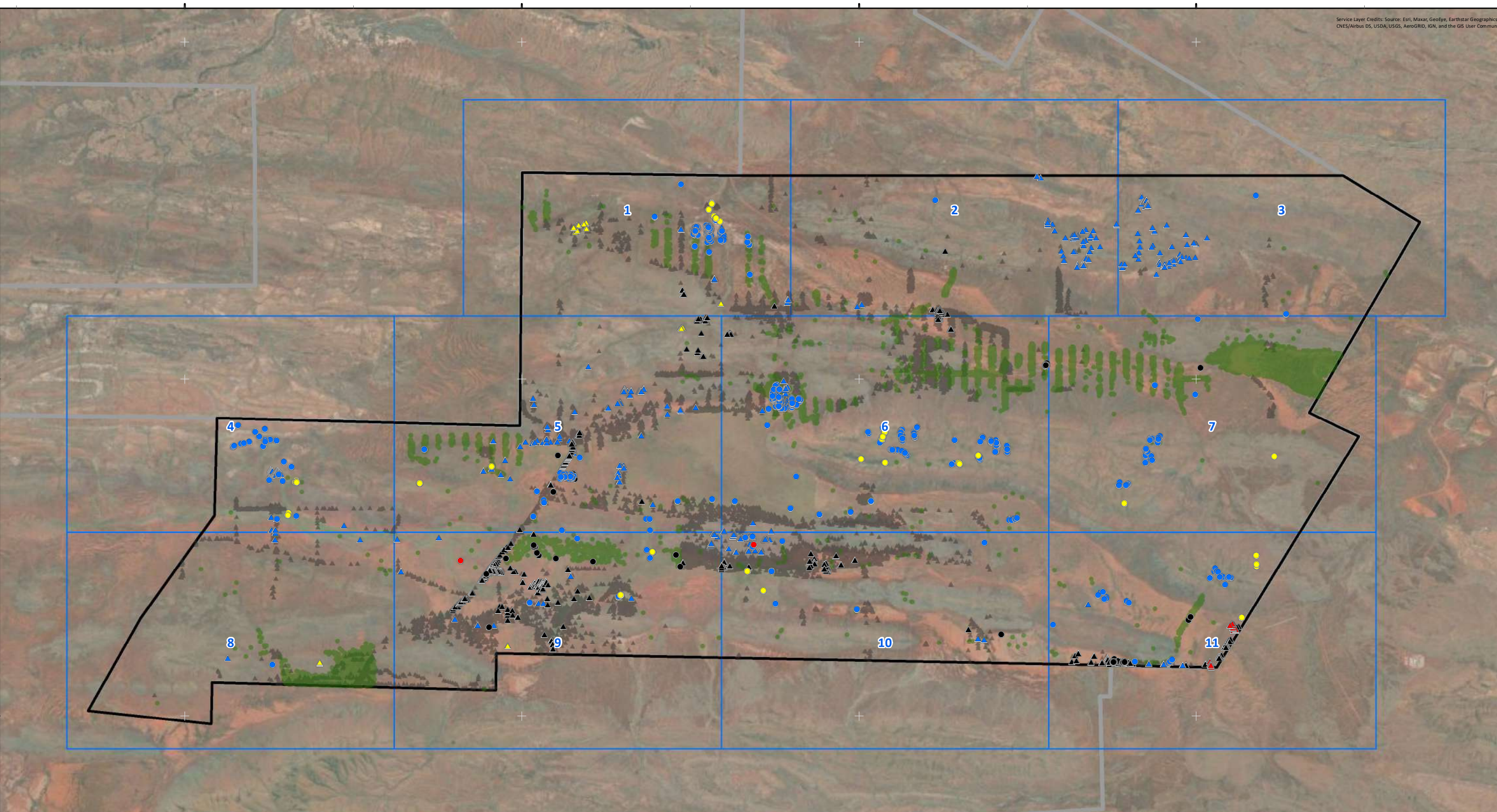
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NVCP Area	Significant Flora (Astron)	Significant Flora (Rio Tinto)
Rhodes Ridge Project Area	P1	P1
Map Extent	P2	P2
	P3	P3
	P4	P4
	<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3

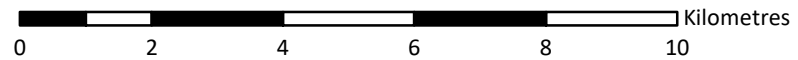
Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N: Significant Flora Species Locations - Overview

Author: L. Dadour

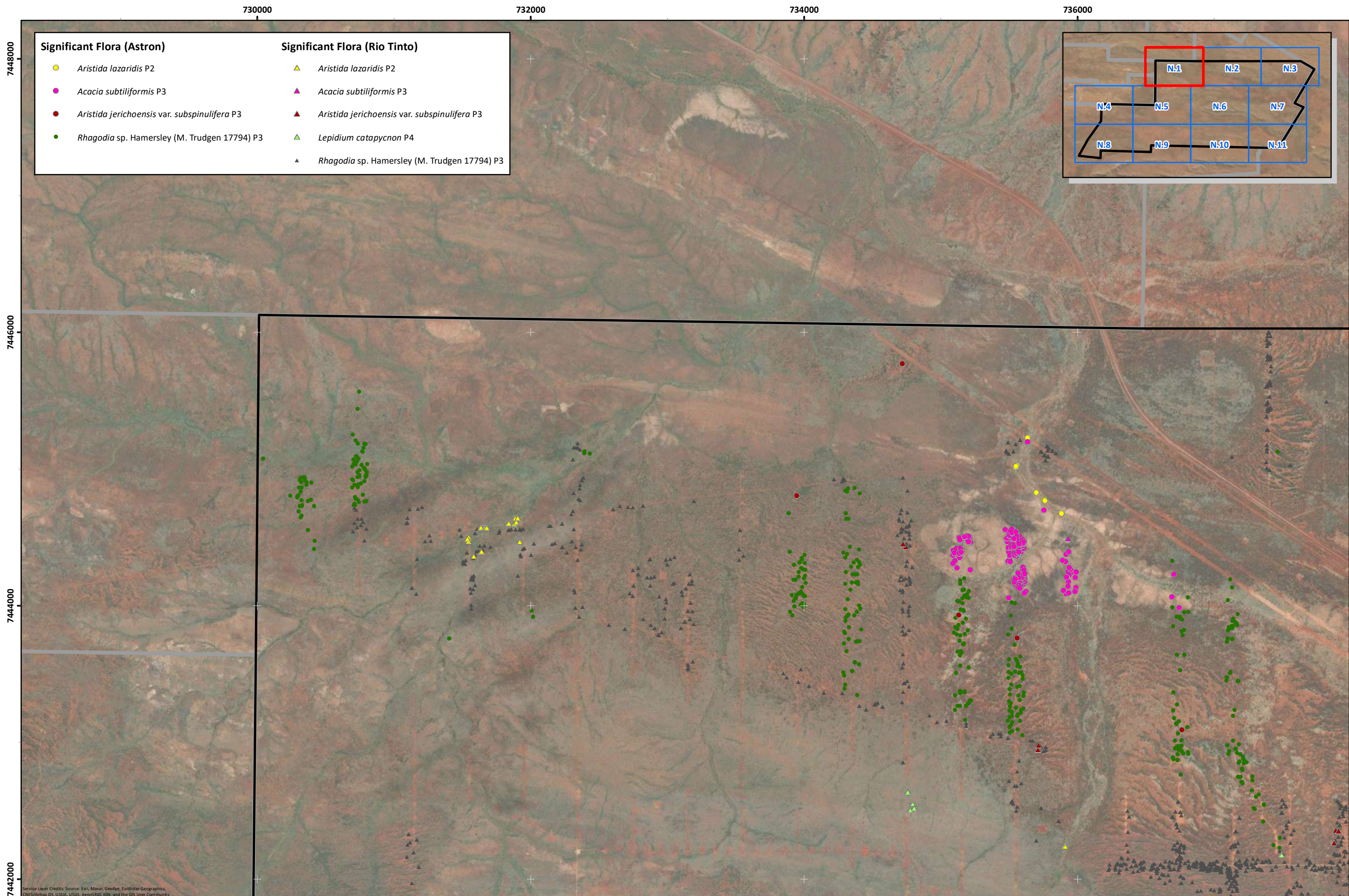
Drawn: C. Dyde

Scale: 1:115,000 at A3
Coordinate System: GDA 1994 MGA Zone 50



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_FigN_SigFlora_Overview



Significant Flora (Astron)

- *Aristida lazardis* P2
- *Acacia subtiliformis* P3
- *Aristida jerichoensis* var. *subspinulifera* P3
- *Rhagodia* sp. Hammersley (M. Trudgen 17794) P3

Significant Flora (Rio Tinto)

- ▲ *Aristida lazardis* P2
- ▲ *Acacia subtiliformis* P3
- ▲ *Aristida jerichoensis* var. *subspinulifera* P3
- ▲ *Lepidium catapycnon* P4
- ▲ *Rhagodia* sp. Hammersley (M. Trudgen 17794) P3

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.1: Significant Flora Species Locations

Author: L. Dadour

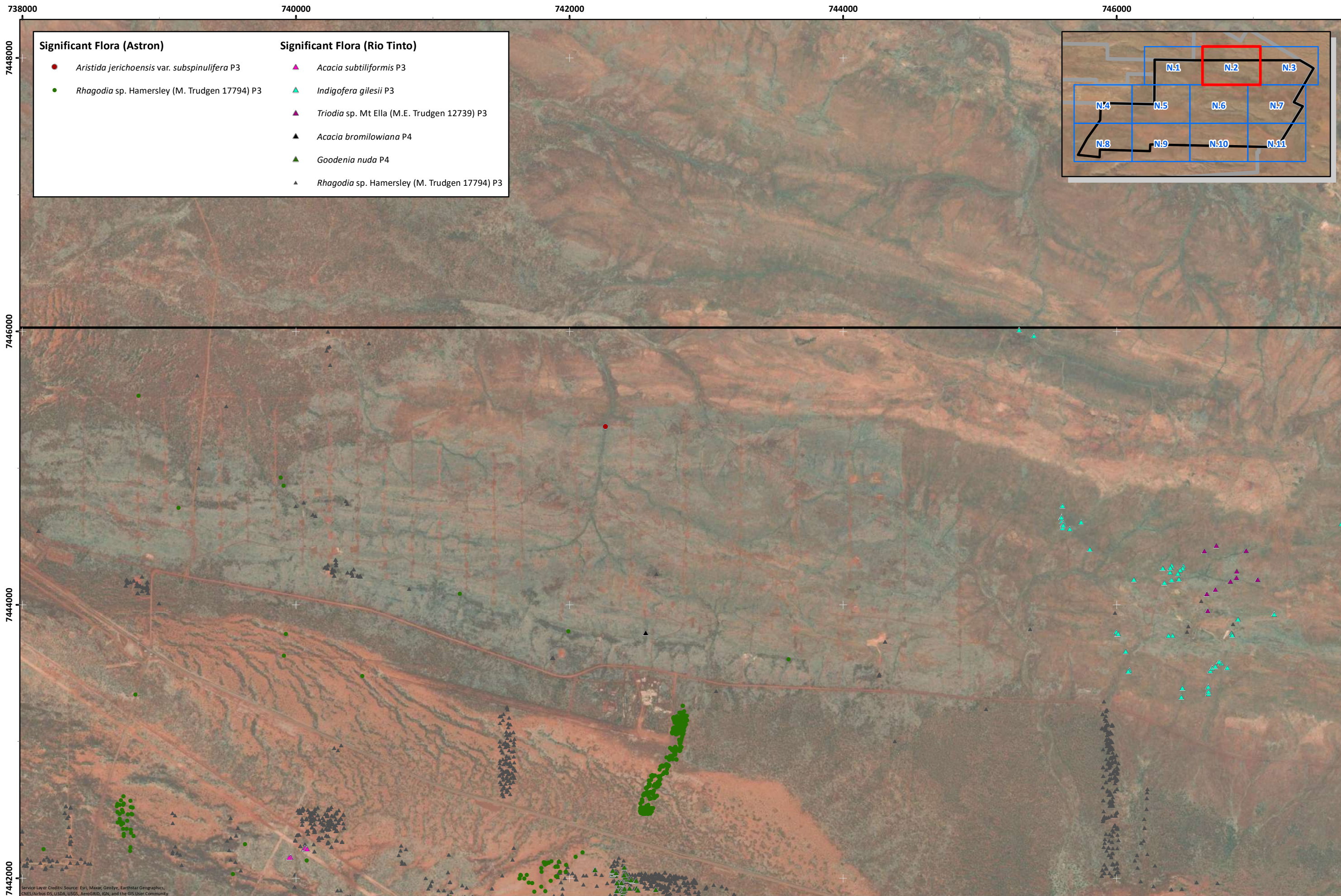
Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN



Rio Tinto
 Rhodes Ridge NVCP, Flora

Figure N.2: Significant Flora Species Locations

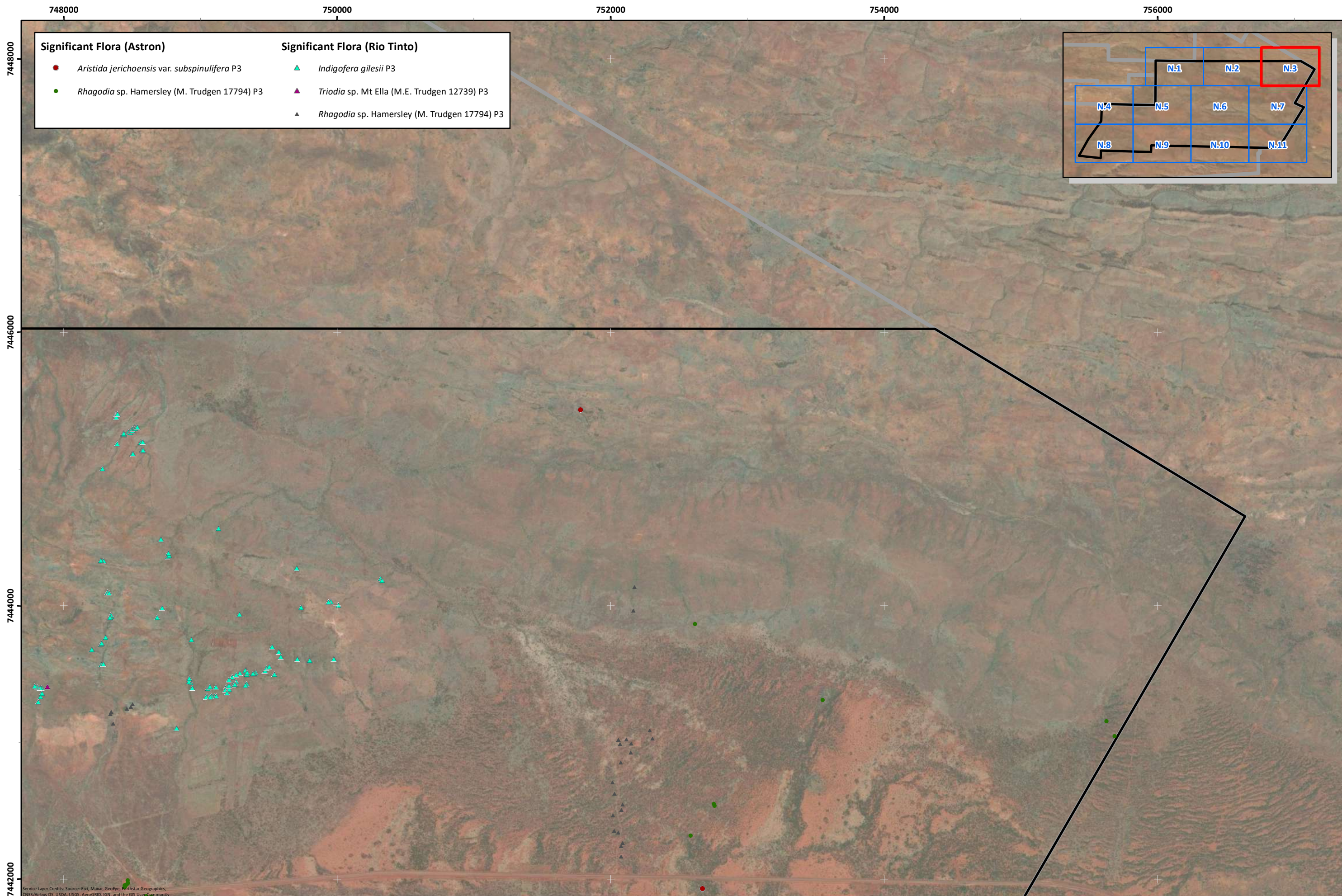
Author: L. Dadour

Drawn: C. Dyde

Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN





Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.3: Significant Flora Species Locations

Author: L. Dadour

Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN

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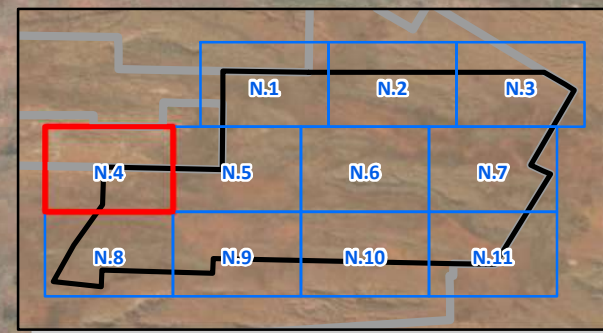
726000

Significant Flora (Astron)

- *Aristida lazaridis* P2
- *Euphorbia inappendiculata* var. *inappendiculata* P2
- *Acacia subtiliformis* P3
- *Aristida jerichoensis* var. *subspinulifera* P3
- *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3
- *Euphorbia australis* var. *glabra* P3
- *Swainsona thompsoniana* P3
- *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3
- *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3

Significant Flora (Rio Tinto)

- ▲ *Acacia subtiliformis* P3
- ▲ *Aristida jerichoensis* var. *subspinulifera* P3
- ▲ *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) P3
- ▲ *Rostellularia adscendens* var. *latifolia* P3
- ▲ *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3
- ▲ *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3



7440000

7438000

7436000

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Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.4: Significant Flora Species Locations

Author: L. Dadour

Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
 Coordinate System: GDA 1994 MGA Zone 50
 0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN

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Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Significant Flora (Astron)

- *Euphorbia inappendiculata* var. *inappendiculata* P2
- *Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2
- *Aristida jerichoensis* var. *subspinulifera* P3
- *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3
- *Euphorbia australis* var. *glabra* P3
- *Glycine falcata* P3
- *Swainsona thompsoniana* P3
- *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3
- *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3
- *Goodenia nuda* P4
- *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3

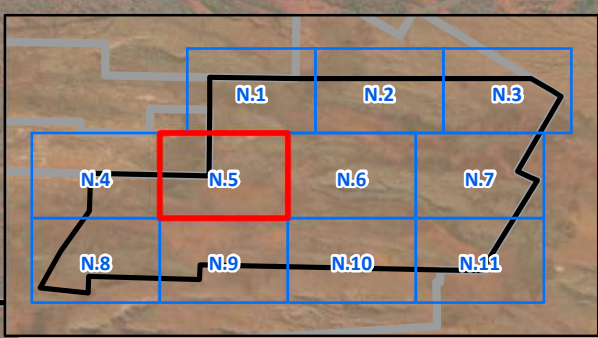
Significant Flora (Rio Tinto)

- ▲ *Aristida lazardis* P2
- ▲ *Acacia subtiliformis* P3
- ▲ *Aristida jerichoensis* var. *subspinulifera* P3
- ▲ *Indigofera gilesii* P3
- ▲ *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3
- ▲ *Goodenia nuda* P4
- ▲ *Lepidium catapycnon* P4
- ▲ *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3

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7438000

7436000



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.5: Significant Flora Species Locations

Author: L. Dadour

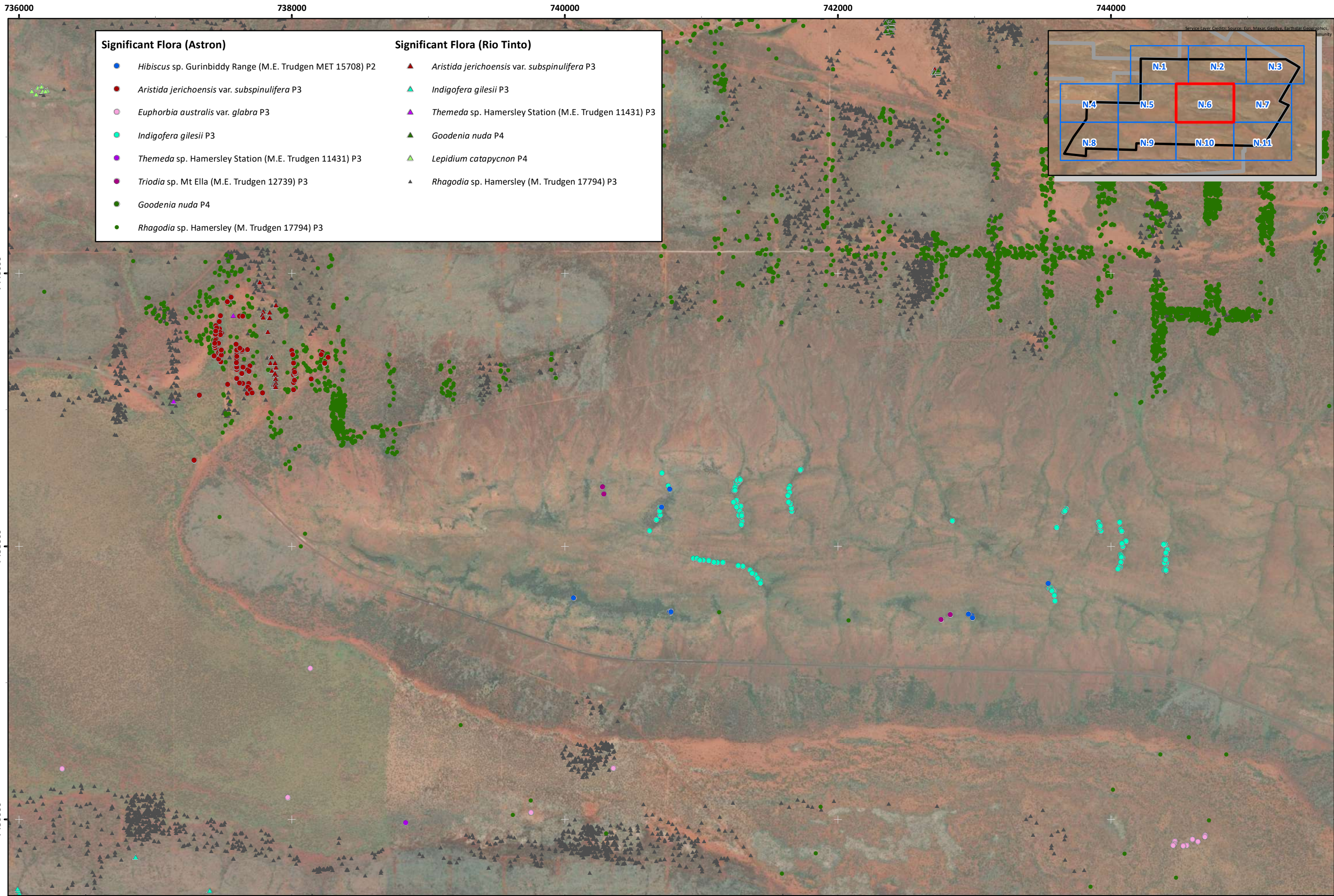
Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
 Coordinate System: GDA 1994 MGA Zone 50
 0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.6: Significant Flora Species Locations

Author: L. Dadour

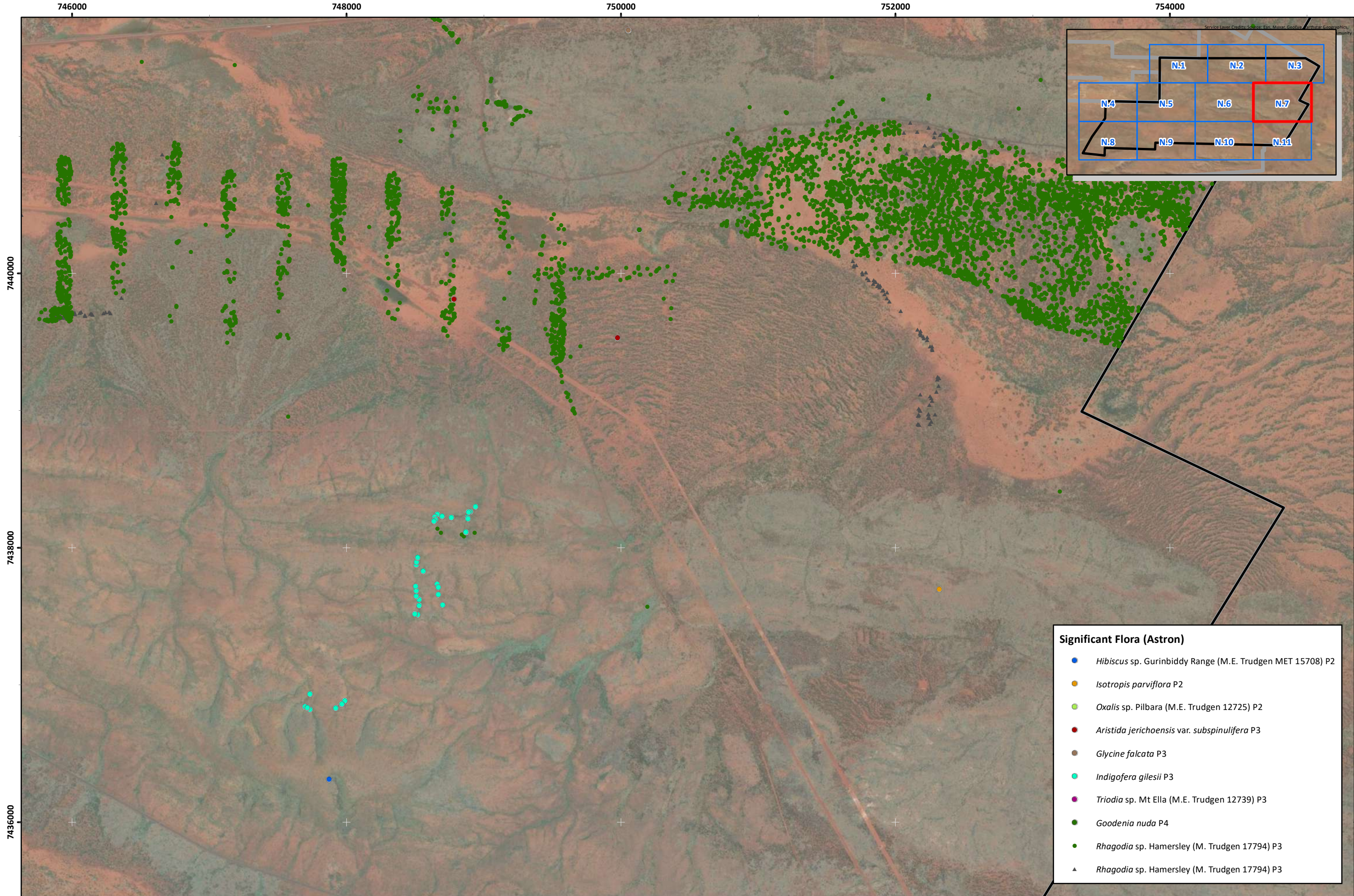
Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN



- Significant Flora (Astron)**
- *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2
 - *Isotropis parviflora* P2
 - *Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2
 - *Aristida jerichoensis* var. *subspinulifera* P3
 - *Glycine falcata* P3
 - *Indigofera gilesii* P3
 - *Triodia* sp. Mt Ella (M.E. Trudgen 12739) P3
 - *Goodenia nuda* P4
 - *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3
 - ▲ *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3

Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.7: Significant Flora Species Locations

Author: L. Dadour

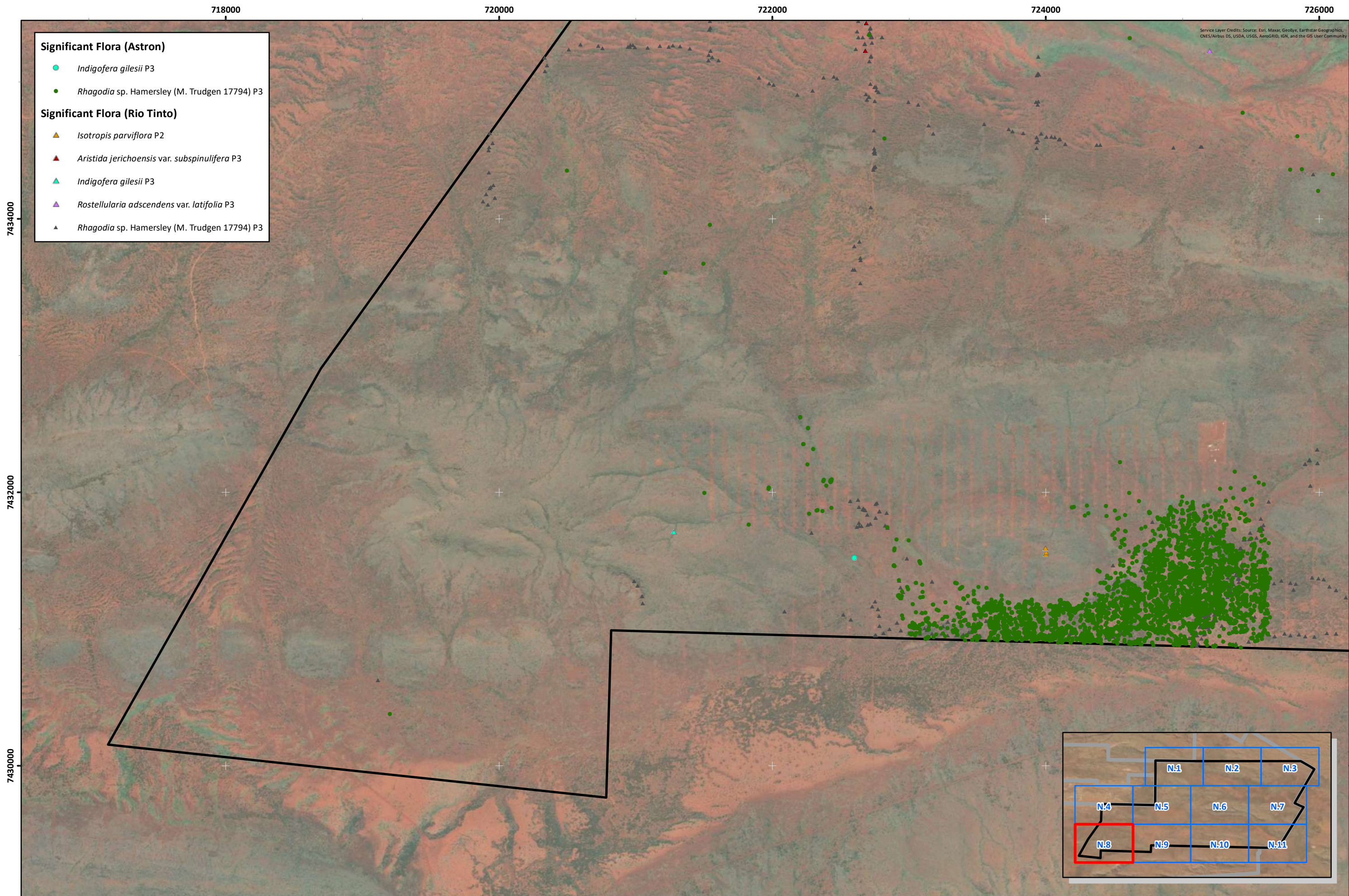
Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.8: Significant Flora Species Locations

Author: L. Dadour

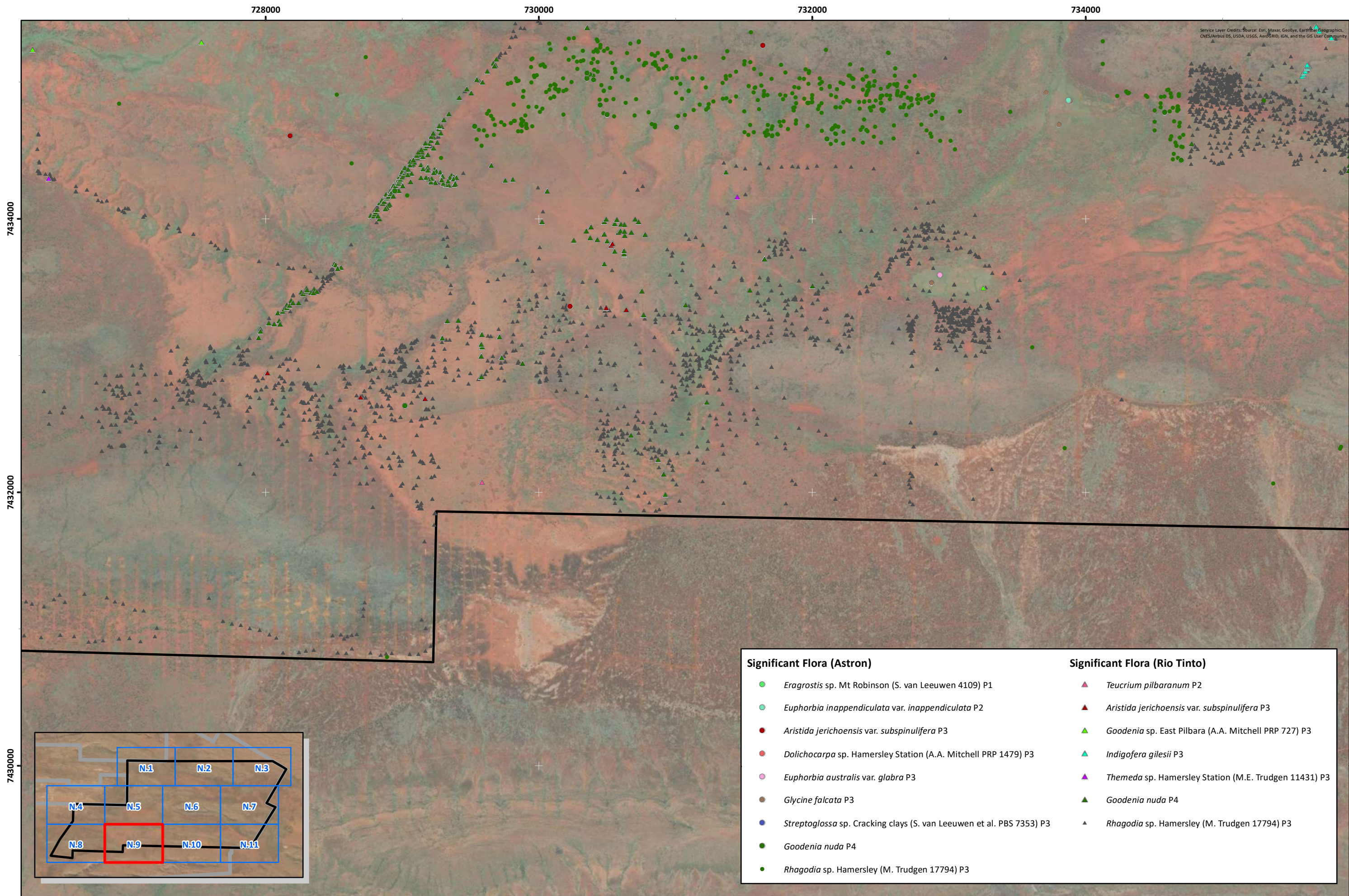
Drawn: C. Dyde

Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres





Rio Tinto
Rhodes Ridge NVCP, Flora

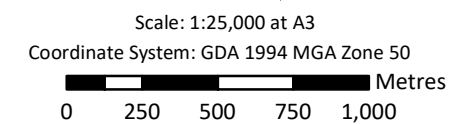
Figure N.9: Significant Flora Species Locations

Author: L. Dadour

Drawn: C. Dyde

Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN



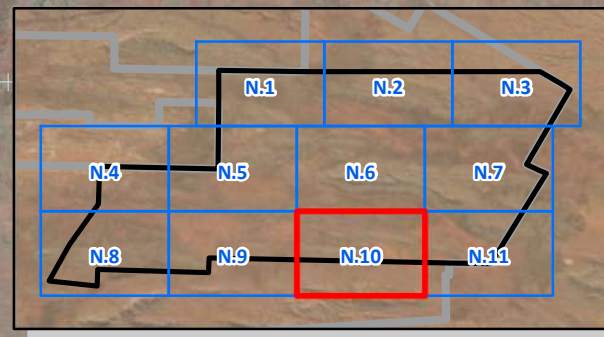
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Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

7434000

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Significant Flora (Astron)	Significant Flora (Rio Tinto)
● <i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1	▲ <i>Indigofera gilesii</i> P3
● <i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	▲ <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3
● <i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	▲ <i>Goodenia nuda</i> P4
● <i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	▲ <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3
● <i>Euphorbia australis</i> var. <i>glabra</i> P3	
● <i>Glycine falcata</i> P3	
● <i>Indigofera gilesii</i> P3	
● <i>Goodenia nuda</i> P4	
● <i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	

Rio Tinto
Rhodes Ridge NVCP, Flora

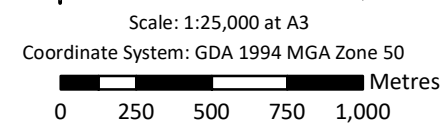
Figure N.10: Significant Flora Species Locations

Author: L. Dadour

Drawn: C. Dyde

Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN



746000

748000

750000

752000

754000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

7434000

7432000

7430000



Rio Tinto
Rhodes Ridge NVCP, Flora

Figure N.11: Significant Flora Species Locations

Author: L. Dadour

Drawn: C. Dyde



Date: 21-03-2022



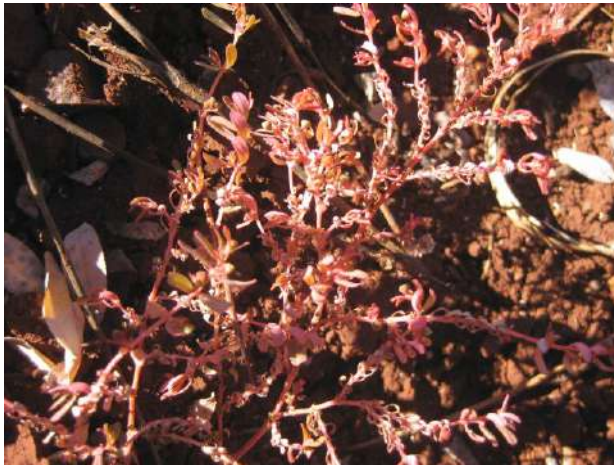
Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_SigFlora_FigN




Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres









Table N.1: Conservation significant flora recorded in the survey area from the current survey and previous surveys (Department of Biodiversity Conservation and Attractions 2021a, 2021b, Rio Tinto 2021b).




Species	Description ¹	Habitat ¹
<p><i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1</p> 	<p>Tussock-forming perennial, grass-like or herb, to 0.3 m high. Flowers September.</p>	<p>Red-brown skeletal soils, ironstone. Steep slopes, summits.</p>
<p><i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1</p> 	<p>Erect ephemeral herb to 0.25 m tall with white flowers, and mature fruit, post-rainfall in March.</p>	<p>Raised banks adjacent to shallow flowlines on exposed hardpan.</p>



Species	Description ¹	Habitat ¹
<p><i>Vittadinia</i> sp. Coondewanna Flats (S. van Leeuwen 4684) P1²</p> 	<p>Erect annual herb, up to 1 m high. Flowers cream.</p>	<p>Dark-reddish brown sandy clay. Drainage area/floodplain with silty clay loam soil, Ironstone.</p>
<p><i>Aristida lazaridis</i> P2</p> 	<p>Tufted perennial, grass-like or herb, 0.4-1.5 m high. Flowers green/purple, April.</p>	<p>Sand or loam, floodplain/drainage zone.</p>
<p><i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2</p> 	<p>Prostrate herb, 0.1 m high. Flowers May.</p>	<p>Plain, Claypan, Cracking clay floodplain</p>


Species	Description ¹	Habitat ¹
<p><i>Hibiscus</i> sp. Gurinbidy Range (M.E. Trudgen MET 15708) P2</p> 	<p>Slender, erect perennial shrub 1-2.5m high, densely pubescent. Flowers purple/mauve.</p>	<p>Rocky, steep gully drainage lines, loamy skeletal soils</p>
<p><i>Ipomoea racemigera</i> P2</p> 	<p>Creeping annual, herb or climber. Flowers white, March to August.</p>	<p>Drainage lines. Red-brown clay loam.</p>
<p><i>Isotropis parviflora</i> P2</p> 	<p>Shrub, 0.1 m high. Flowers white/pink, March.</p>	<p>Valley slope of ironstone plateau. Low rocky calcrete hills.</p>



Species	Description ¹	Habitat ¹
<p><i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2</p> 	<p>Prostrate, creeping herb 0.1-0.2 m high. Flowers yellow, May, September.</p>	<p>Gorge with sandy loam soil, steep rocky hill slope and gullies, creek lines.</p>
<p><i>Acacia subtiliformis</i> P3</p> 	<p>Spindly, slender, erect shrub, to 3.5 m high, phyllodes green, new growth slightly viscid, resinous, aromatic; inflorescence in heads to 6 mm diameter; peduncles red. Flowers yellow, June.</p>	<p>On rocky calcrete plateau, Low calcrete rise</p>
<p><i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3</p> 	<p>Tufted grass, with muricate lemma groove. 0.3 m to 0.8 m high.</p>	<p>Hardpan or stony plains. Red brown loamy clay or sandy loam, orange sandy clay.</p>



Species	Description ¹	Habitat ¹
<p><i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3</p> 	<p>Prostrate annual herb, to 0.1 m high. Flowers blue/mauve.</p>	<p>Gentle slope. Brown cracking clay. Floodplain.</p>
<p><i>Euphorbia australis</i> var. <i>glabra</i> P3</p>  	<p>Annual prostrate herb, 0.1 m high.</p>	<p>Flat, red-brown clay-loam, cracking clay.</p>



Species	Description ¹	Habitat ¹
<p><i>Glycine falcata</i> P3</p> 	<p>Mat-forming perennial, herb, to 0.2 m high. Flowers blue-purple, May or July.</p>	<p>Along drainage depressions in crabhole plains on river floodplains.</p>
<p><i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) P3²</p> 	<p>Open, erect annual or biennial, herb, to 0.2 m high. Flowers yellow.</p>	<p>Red-brown clay soil, calcrete pebbles. Low undulating plain, swampy plains.</p>
<p><i>Indigofera gilesii</i> P3</p> 	<p>Shrub to 1.5 m high. Flowers purple-pink.</p>	<p>Rocky slopes and gullies high in landscape. Skeletal soils, red brown loam.</p>

Species	Description ¹	Habitat ¹
<p data-bbox="220 248 743 282"><i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3</p> 	<p data-bbox="890 638 1094 831">Shrub, 2.5 m high. Leaves small lanceolate, not aromatic. Flowers yellow. Fruit small red drupelets.</p>	<p data-bbox="1145 654 1382 813">Mulga plains. Alluvial plains. Red brown clay to loamy clay. Occasionally on slopes.</p>
<p data-bbox="220 1227 663 1261"><i>Rostellularia adscendens</i> var. <i>latifolia</i> P3</p> 	<p data-bbox="890 1417 1123 1543">Herb or shrub, 0.1-0.3 m high. Flower blue-purple-violet, April to May.</p>	<p data-bbox="1145 1451 1390 1509">Ironstone soils. Near creeks, rocky hills.</p>

Species	Description ¹	Habitat ¹
<p><i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3</p> 	<p>Erect annual herb. Flowers pink.</p>	<p>Floodplain, Red brown clay loam and cracking clay.</p>
<p><i>Swainsona thompsoniana</i> P3</p> 	<p>Prostrate annual herb, to 0.2 m high. Flowers purple/mauve.</p>	<p>Floodplain with red / brown clay loam, cracking clay.</p>

Species	Description ¹	Habitat ¹
<p><i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3</p> 	<p>Tussocky perennial, grass-like or herb, 0.9-1.8 m high. Flowers August.</p>	<p>Red-brown clay loam. Clay pan and cracking clay, grass plain.</p>
<p><i>Triodia</i> sp. Mt Ella (M.E. Trudgen 12739) P3</p> 	<p>Perennial hummock, grass-like, 0.5 m high, foliage resinous. *Flowers May to August.</p>	<p>Amongst rocks & outcrops, gully slopes. Skeletal soils over ironstone.</p>

Species	Description ¹	Habitat ¹
<p><i>Xerochrysum boreale</i> P3²</p> 	<p>Erect shrub to 1.5 m high. Flowers yellow</p>	<p>Flat, stony plain. Red brown clay/clay loam.</p>
<p><i>Acacia bromilowiana</i> P4²</p> 	<p>Tree or shrub, to 12 m high, bark dark grey, fibrous; phyllodes more or less glaucous and slightly pruinose; inflorescence in spikes. Flowers yellow/pink, July to August</p>	<p>Red skeletal stony loam, orange-brown pebbly, gravel loam, laterite, banded ironstone, basalt. Rocky hills, breakaways, scree slopes, gorges, creek beds.</p>

Species	Description ¹	Habitat ¹
<p><i>Goodenia nuda</i> P4</p> 	<p>Erect to ascending herb, to 0.5 m high. Flowers yellow with maroon centre, April to August.</p>	<p>Mulga hardpan plain, Red-brown clay loam. Minor drainage line.</p>
<p><i>Lepidium catapycnon</i> P4²</p> 	<p>Open, woody perennial, herb or shrub, 0.2 m to 0.3 m high, stems zigzag. Flowers white, October.</p>	<p>Skeletal soils. Hillsides.</p>

¹ – *FloraBase* (Western Australian Herbarium 2021)

² - Taxa not observed in current survey, but previous records exist within the survey area (Department of Biodiversity Conservation and Attractions 2021a, 2021b, Rio Tinto 2021b).

Table N.2: Conservation significant flora recorded in the survey area (GDA94, Zone 50).

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Eragrostis</i> sp. Mt Robinson (S. van Leeuwen 4109) P1	0.1	1	736877	7435087
	0.1	1	728179	7434608
<i>Paranotis</i> sp. Pilbara (H. Ajduk HAOP04a) P1	0.1	1	750561	7432143
<i>Aristida lazaridis</i> P2	0.1	7	735636	7445229
	1.0	1	735698	7444828
	1.0	1	735759	7444776
	1.0	1	735755	7444774
	1.0	1	735557	7445026
	1.0	1	735553	7445013
	1.0	1	735548	7445013
	1.0	1	735545	7445011
	0.1	2	735882	7444676
	1.0	1	735550	7445021
	1.0	1	735761	7444768
	0.5	29	735635	7445195
	0.5	15	723306	7436979
	0.5	20	723278	7436934
	0.5	15	723053	7435957
	0.5	50	723315	7436951
0.5	75	723320	7436937	
<i>Euphorbia inappendiculata</i> var. <i>inappendiculata</i> P2	0.1	1	733874	7434867
	0.1	1	732932	7433589
	0.1	1	737164	7433718
	0.1	1000	736689	7434289
	0.1	30	726973	7436899
	0.1	1	723078	7436031
<i>Hibiscus</i> sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2	0.1	3	740766	7437520
	0.2	1	743540	7437730
	0.1	30	742967	7437498
	0.1	5	740774	7437514
	0.1	20	742985	7437489
	0.1	7	740779	7437528
	0.1	2	742957	7437502
	0.1	100	742986	7437478
	0.1	5	740778	7437529
	0.1	10	740776	7437527
	0.1	8	740776	7437520
	0.1	1	740768	7438420
0.1	8	740691	7438216	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Hibiscus</i> sp. Gurinbidy Range (M.E. Trudgen MET 15708) P2	0.1	2	740709	7438289
	0.1	30	747872	7436311
	0.1	30	740068	7437621
	0.1	30	740064	7437621
<i>Ipomoea racemigera</i> P2	0.1	1	751355	7432919
<i>Isotropis parviflora</i> P2	0.1	3	752320	7437697
	0.1	2	751785	7434759
	0.1	1	751798	7434439
	0.1	1	751800	7434498
<i>Oxalis</i> sp. Pilbara (M.E. Trudgen 12725) P2	0.1	3	729104	7437398
	0.1	1	747872	7436311
<i>Acacia subtiliformis</i> P3	0.1	30	722374	7438511
	0.1	1	721434	7437988
	3.0	500	722705	7438179
	1.0	50	722530	7438202
	1.0	200	722721	7438168
	1.0	100	722941	7437533
	0.1	30	722329	7437992
	0.1	1	722207	7438284
	1.0	100	722386	7438187
	1.0	150	722786	7437162
	0.5	30	723158	7437380
	0.1	30	723167	7437391
	0.5	1000	735931	7444251
	0.1	1000	735916	7444087
	5.0	1000	735989	7444134
	0.1	500	735911	7444320
	0.1	1000	735889	7444332
	0.1	200	735917	7444374
	0.5	200	735969	7444244
	0.1	1000	735932	7444177
	1.0	2000	735936	7444224
	1.0	100	735949	7444265
	0.1	1000	735936	7444093
	0.1	500	735921	7444210
	0.1	20	735752	7444698
	1.0	500	735939	7444279
	0.5	200	735991	7444245
1.0	2000	735983	7444207	
0.1	2000	735931	7444138	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Acacia subtiliformis</i> P3	0.1	500	735982	7444105
	1.0	100	735936	7444395
	0.1	1	735896	7444108
	0.1	1	735635	7445195
	0.1	25	721463	7438011
	0.1	2	722385	7438138
	0.1	3	722087	7438430
	0.1	100	721662	7438067
	0.1	2	721909	7438129
	0.1	10	721755	7438088
	0.1	36	721579	7438622
	0.1	36	735568	7444189
	0.1	18	735175	7444503
	0.1	5	735591	7444249
	0.1	50	735505	7444349
	0.1	5	735580	7444480
	0.1	6	735572	7444126
	0.1	100	735582	7444448
	0.1	120	735579	7444188
	0.1	120	735582	7444158
	0.1	130	735598	7444211
	0.1	7	735587	7444390
	0.1	150	735568	7444416
	0.1	7	735217	7444464
	0.1	60	735498	7444446
	0.1	3	735217	7444464
	0.1	3	735579	7444506
	0.1	3	735103	7444327
	0.1	45	735525	7444487
	0.1	5	735518	7444559
	0.1	20	735584	7444225
	0.1	4	735601	7444282
	0.1	21	735565	7444130
	0.1	22	735190	7444484
	0.1	8	735505	7444474
	0.1	18	735621	7444104
0.1	17	735603	7444245	
0.1	15	735580	7444461	
0.1	15	735609	7444417	
0.1	15	735566	7444445	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Acacia subtiliformis</i> P3	0.1	10	735487	7444468
	0.1	12	735596	7444157
	0.1	1	735134	7444499
	0.1	1	735496	7444537
	0.1	1	736743	7443984
	0.1	11	735604	7444157
	0.1	1	736691	7444062
	0.1	10	735582	7444127
	0.1	1	735471	7444554
	0.1	9	735611	7444089
	0.1	8	735600	7444483
	0.1	3	735596	7444415
	0.1	8	735192	7444511
	0.1	3	735118	7444275
	0.1	60	735517	7444390
	0.1	13	735506	7444494
	0.1	13	735088	7444369
	0.1	23	735211	7444496
	0.1	14	735116	7444422
	0.1	15	735497	7444058
	0.1	40	735524	7444368
	0.1	15	735126	7444381
	0.1	3	735090	7444403
	0.1	3	735482	7444494
	0.1	18	735501	7444515
	0.1	20	735514	7444444
	0.1	22	735110	7444406
	0.1	23	735521	7444532
	0.1	23	735204	7444505
	0.1	27	735497	7444394
	0.1	1	735216	7444263
	0.1	30	735494	7444423
	0.1	30	735098	7444384
	0.1	30	735088	7444307
0.1	25	735598	7444457	
0.1	35	735491	7444325	
0.1	40	736703	7444230	
0.1	40	735508	7444320	
0.1	25	735597	7444178	
0.1	25	735607	7444263	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Acacia subtiliformis</i> P3	0.1	27	735582	7444150
	0.1	31	735575	7444406
	0.1	2	735204	7444466
	0.1	35	735572	7444496
	0.1	38	735614	7444175
	0.1	40	735594	7444438
	0.1	40	735586	7444219
	0.1	40	735594	7444220
	0.1	42	735587	7444154
	0.1	60	735516	7444423
	0.1	50	735614	7444196
	0.1	50	735578	7444204
	0.1	50	735603	7444189
	0.1	55	735588	7444173
	0.1	60	735611	7444214
	0.1	60	735574	7444232
	0.1	70	735590	7444200
	0.1	80	735613	7444232
	0.1	90	735566	7444374
	0.1	95	735579	7444172
	0.1	60	735505	7444366
	0.1	25	735152	7444393
	0.1	20	735547	7444499
	0.1	60	735561	7444453
	0.1	22	735605	7444468
	0.1	22	735150	7444395
	0.1	30	735584	7444454
	0.1	2	735583	7444477
	0.1	30	735541	7444473
	0.1	30	735565	7444454
	0.1	2	735550	7444539
	0.1	5	735140	7444478
	0.1	5	735137	7444368
	0.1	9	735564	7444240
	0.1	5	735548	7444178
	0.1	25	735542	7444473
	0.1	7	735608	7444468
	0.1	2	735142	7444419
	0.1	60	735600	7444455
	0.1	5	735554	7444362

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Acacia subtiliformis</i> P3	0.1	32	735545	7444402
	0.1	33	735542	7444163
	0.1	32	735555	7444438
	0.1	30	735536	7444418
	0.1	29	735568	7444382
	0.1	37	735551	7444144
	0.1	28	735534	7444196
	0.1	38	735551	7444423
	0.1	28	735557	7444396
	0.1	38	735575	7444172
	0.1	27	735546	7444154
	0.1	39	735532	7444382
	0.1	26	735540	7444369
	0.1	41	735554	7444379
	0.1	26	735570	7444151
	0.1	41	735533	7444185
	0.1	26	735564	7444415
	0.1	42	735537	7444174
	0.1	4	735137	7444351
	0.1	3	735173	7444505
	0.1	23	735558	7444136
	0.1	52	735573	7444429
	0.1	23	735570	7444390
	0.1	22	735570	7444200
	0.1	21	735543	7444444
	0.1	3	735556	7444506
	0.1	20	735137	7444391
	0.1	20	735568	7444129
	0.1	10	735534	7444450
	0.1	19	735534	7444429
	0.1	18	735541	7444204
	0.1	5	735531	7444487
	0.1	18	735140	7444400
	0.1	60	735557	7444478
	0.1	16	735148	7444414
	0.1	15	735135	7444381
0.1	20	735150	7444392	
0.1	50	735572	7444448	
0.1	15	735577	7444126	
0.1	20	735534	7444490	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Acacia subtiliformis</i> P3	0.1	11	735546	7444197
	0.1	20	730449	7436658
	0.1	40	722733	7435843
	0.1	3	737529	7439186
	0.1	1	727109	7437903
	0.1	20	737555	7439824
	0.1	5	737528	7439791
	0.1	20	730341	7435923
	0.1	50	730228	7433362
	0.1	150	731722	7437666
	0.1	1	749974	7439528
	0.1	6	752671	7441930
	0.1	50	737322	7439105
	0.1	1	733945	7444806
	0.1	40	734718	7445770
	0.1	1	742262	7445305
	0.1	1	731181	7435504
	0.1	1	745761	7432704
	0.1	1	737524	7433325
	0.1	1	731639	7435266
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	1	736839	7435018
	0.1	1	737728	7435187
	0.1	1	740068	7437621
	0.1	1	751780	7445434
	0.1	1	728179	7434608
	0.1	1	737284	7438629
	0.1	10	748783	7439812
	0.1	6	735130	7443930
	0.1	13	736762	7443093
	0.1	4	735558	7443762
	0.1	1	737468	7439646
	0.1	25	737466	7439544
	0.1	20	737465	7439436
	0.1	20	737594	7439296
	0.1	10	737675	7439440
	0.1	15	737443	7439616
	0.1	15	737438	7439500
	0.1	15	737479	7439428
	0.1	15	737479	7439350
	0.1	12	737445	7439517

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	8	737692	7439321
	0.1	12	737464	7439416
	0.1	11	737485	7439559
	0.1	11	737480	7439416
	0.1	10	737471	7439594
	0.1	10	737475	7439565
	0.1	10	737464	7439371
	0.1	10	737596	7439374
	0.1	8	737477	7439550
	0.1	8	737440	7439554
	0.1	8	737441	7439504
	0.1	8	737438	7439455
	0.1	8	737431	7439392
	0.1	8	737465	7439488
	0.1	8	737482	7439401
	0.1	8	737595	7439231
	0.1	8	737594	7439312
	0.1	8	737594	7439345
	0.1	8	737596	7439406
	0.1	20	737785	7439122
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	6	737448	7439601
	0.1	6	737595	7439437
	0.1	5	737443	7439577
	0.1	5	737435	7439469
	0.1	5	737596	7439391
	0.1	5	737592	7439482
	0.1	50	737676	7439294
	0.1	15	737685	7439280
	1.0	80	737674	7439119
	0.1	4	737483	7439437
	1.0	80	737685	7439191
	0.5	40	737678	7439166
	0.1	3	737476	7439688
	0.1	3	737434	7439485
	0.1	70	737695	7439146
	0.1	30	737709	7439124
	0.1	3	737616	7439686
	0.1	3	738223	7439421
	0.1	25	738013	7439198
	0.1	18	737999	7439432

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	14	738012	7439148
	0.1	10	738017	7439287
	0.1	8	737636	7439428
	0.1	8	738240	7439341
	0.1	8	738012	7439255
	0.1	7	737634	7439266
	0.1	5	737641	7439313
	0.1	5	737635	7439437
	0.1	5	737639	7439684
	0.1	5	738011	7439342
	0.1	5	738026	7439268
	0.1	5	738018	7439216
	0.1	4	738006	7439404
	0.1	2	737639	7439191
	0.1	3	738266	7439385
	0.1	30	738215	7439405
	0.1	15	737618	7439450
	0.1	10	737617	7439196
	0.1	10	738142	7439226
	0.1	10	738024	7439264
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	40	738022	7439276
	0.1	35	731140	7437165
	0.1	7	749186	7431560
	0.1	3	749228	7431584
	0.1	2	749233	7431584
	0.1	5	749260	7431605
	0.1	6	731133	7437091
	0.1	10	731140	7437093
	0.1	9	731149	7437087
	0.1	3	749256	7431603
	0.1	2	731536	7437120
	0.1	42	731429	7437118
	0.1	2	731453	7437168
	0.1	2	731410	7437121
	0.1	22	731139	7437160
	0.1	3	731292	7437178
	0.1	15	731139	7437208
	0.1	2	731233	7437162
	0.1	14	749232	7431613
	0.1	4	749299	7431662

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Aristida jerichoensis</i> var. <i>subspinulifera</i> P3	0.1	70	748184	7431612
	0.1	2	731152	7437070
	0.1	10	731400	7437042
	0.1	7	731249	7437107
	0.1	3	731480	7437035
	0.1	20	731123	7437054
	0.1	8	731124	7437058
	0.1	10	731136	7437066
	0.1	21	731137	7437038
	0.1	4	731367	7437108
	0.1	10	731496	7437068
	0.1	20	731435	7437094
	0.1	8	731276	7437083
	0.1	10	731274	7437089
	0.1	30	731155	7437087
<i>Dolichocarpa</i> sp. Hamersley Station (A.A. Mitchell PRP 1479) P3	0.1	50	733874	7434867
	0.1	100	732932	7433589
	0.1	50	737164	7433718
	0.1	1	726973	7436899
	0.1	1000	726973	7436899
	0.1	50	723078	7436031
	0.1	100	723311	7435927
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	150	747941	7433398
	0.1	7	740355	7436375
	0.1	3	738135	7437106
	0.1	48	744689	7435884
	0.1	1	733803	7434688
	0.1	1	733710	7434924
	0.1	1	736316	7436371
	0.1	1	736316	7436371
	0.1	2	737970	7436160
	0.1	1	739751	7436051
	0.1	18	737411	7434294
	1.0	200	743730	7435136
	0.1	1	733874	7434867
	0.1	1	732932	7433589
	0.1	1	733796	7435839
	1.0	20	736689	7434289
	0.1	4	723078	7436031
	0.1	1	723311	7435927

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Euphorbia australis</i> var. <i>glabra</i> P3	0.1	9	744596	7435853
	0.1	7	744554	7435810
	0.1	8	744468	7435839
	0.1	5	744465	7435821
	0.1	16	748011	7433357
	0.1	17	744456	7435809
	0.1	9	744530	7435805
	0.1	22	744638	7435838
	0.1	4	744689	7435873
	0.1	50	747343	7433527
	0.1	15	747339	7433490
	0.1	20	747282	7433466
	0.1	100	747096	7433581
<i>Glycine falcata</i> P3	0.1	1	733807	7435505
	0.1	1	733888	7434861
	0.1	22	732872	7433531
	0.1	1	750054	7441772
	0.1	1	733686	7435843
	0.1	1	733803	7434688
	0.1	1	733710	7434924
	0.1	6	733874	7434867
	0.1	19	733796	7435839
	2.0	5	736689	7434289
<i>Goodenia</i> sp. East Pilbara (A.A. Mitchell PRP 727) P3	0.1	6	747244	7433677
<i>Indigofera gilesii</i> P3	0.1	1	744080	7438021
	0.1	3	743910	7438178
	0.1	1	744386	7438013
	0.1	3	744071	7438119
	0.1	1	743915	7438162
	0.1	5	744073	7438117
	0.1	1	743921	7438158
	0.1	1	744402	7437992
	0.1	2	743921	7438144
	0.1	10	743918	7438144
	0.1	8	744078	7438115
	0.1	7	743914	7438143
	0.1	1	743926	7438115
	0.1	3	744078	7438114
	0.1	32	748668	7437659

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Indigofera gilesii</i> P3	0.1	1	743543	7437696
	0.1	1	744411	7437978
	0.1	4	743547	7437693
	0.1	2	743549	7437692
	0.1	2	743561	7437694
	0.1	3	744079	7438112
	0.1	5	744071	7438122
	0.1	2	743563	7437685
	0.1	1	744412	7437977
	0.1	6	743572	7437677
	0.1	2	743584	7437661
	0.1	1	744080	7438112
	0.1	12	748519	7437512
	0.1	6	748901	7438263
	0.1	2	748660	7437735
	0.1	1	744399	7437905
	0.1	3	744396	7437915
	0.1	2	744087	7437918
	0.1	1	744390	7437825
	0.1	2	744059	7437850
	0.1	1	744078	7437902
	0.1	3	744077	7437914
	0.1	7	748764	7438219
	0.1	2	744070	7437938
	0.1	9	748661	7438242
	0.1	7	744085	7438010
	0.1	1	744070	7437938
	0.1	1	743671	7438273
	0.1	1	744398	7438016
	0.1	1	744064	7437841
	0.1	1	744399	7437885
	0.1	3	743664	7438262
	0.1	2	743654	7438252
	0.1	8	748644	7438225
0.1	9	748528	7437623	
0.1	8	748513	7437896	
0.1	11	748509	7437646	
0.1	15	748529	7437578	
0.1	19	748882	7438222	
0.1	14	748869	7438113	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	7	748507	7437687
	0.1	2	743919	7438120
	0.1	4	744074	7437932
	0.1	2	744404	7437819
	0.1	1	744402	7437867
	0.1	2	744405	7437946
	0.1	7	748504	7437719
	0.1	1	744392	7437907
	0.1	5	744087	7438000
	0.1	1	744402	7437953
	0.1	7	748507	7437875
	0.1	1	744385	7438016
	0.1	4	748668	7437711
	0.1	1	743588	7437676
	0.1	3	744071	7437853
	0.1	3	744076	7437921
	0.1	4	743920	7438127
	0.1	4	748697	7438229
	0.1	2	748701	7437582
	0.1	38	748557	7437828
	0.1	2	744400	7437908
	0.1	2	743583	7437672
	0.1	1	744064	7438177
	0.1	5	743575	7437675
	0.1	21	748497	7437517
	0.1	1	743914	7438163
	0.1	1	744112	7438036
	0.1	2	743569	7437680
	0.1	2	743908	7438176
	0.1	1	744110	7438038
	0.1	4	748939	7438299
	0.1	10	748648	7438205
	0.1	17	748890	7438260
	0.1	4	743928	7438114
	0.1	7	743920	7438132
	0.1	1	744406	7437879
	0.1	1	744396	7437833
	0.1	1	744071	7437884
	0.1	1	744392	7437880
	0.1	1	744069	7437849

Indigofera gilesii P3

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Indigofera gilesii</i> P3	0.1	4	743909	7438178
	0.1	3	748638	7438192
	0.1	1	744080	7438021
	0.1	3	744079	7438112
	0.1	6	744058	7437849
	0.1	1	743916	7438162
	0.1	2	744402	7437824
	0.1	1	743922	7438151
	0.1	12	743663	7438260
	0.1	1	744399	7437903
	0.1	12	748885	7438212
	0.1	6	744052	7437835
	0.1	1	743601	7438138
	0.1	2	740767	7438412
	0.1	3	741252	7438468
	0.1	3	741262	7438459
	0.1	3	740711	7438538
	0.1	1	740758	7438442
	0.1	4	741275	7438475
	0.3	25	741256	7438453
	0.1	3	741275	7438494
	0.1	1	741281	7438494
	0.1	3	741263	7438481
	0.1	3	741252	7438449
	0.1	50	741273	7438471
	0.1	1	741264	7438485
	0.1	1	741284	7438487
	0.1	3	741259	7438323
	0.1	20	741236	7438410
	0.1	4	741256	7438337
	0.1	3	741662	7438257
	0.1	3	741646	7438441
	0.1	5	741734	7438564
	0.1	5	741639	7438425
	0.1	7	741732	7438565
	0.1	8	741281	7438260
	0.1	4	741725	7438555
	0.1	2	741269	7438272
	0.1	5	741296	7438182
	0.1	21	740698	7438228

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Indigofera gilesii</i> P3	0.1	2	740696	7438286
	0.1	2	740695	7438264
	0.1	9	740670	7438195
	0.1	1	740693	7438258
	0.1	6	741238	7438408
	0.1	5	741288	7438211
	0.1	2	741247	7438431
	0.1	12	741290	7438295
	0.1	5	741294	7438158
	0.1	15	741280	7438261
	0.1	3	741245	7438411
	0.1	4	741724	7438560
	0.1	20	741281	7438217
	0.1	4	741257	7438291
	0.1	50	741274	7438227
	0.1	15	741645	7438396
	0.1	5	741633	7438373
	0.1	15	741237	7438323
	0.1	30	741295	7438237
	0.1	15	741295	7438225
	0.1	8	741659	7438279
	0.1	20	741650	7438313
	0.1	1	741638	7438324
	0.1	4	736840	7435313
	0.1	2	736646	7435287
	0.1	3	736630	7435295
	0.5	40	748510	7437896
	0.1	1	750544	7434291
	0.1	1	750567	7434372
	0.1	10	750790	7434117
	0.1	30	750757	7434152
	0.1	7	750810	7434121
	0.1	1	750612	7434285
	0.1	5	751048	7434090
	0.1	2	751039	7434107
	0.1	5	750658	7434262
	0.1	1	750941	7434100
	0.1	2	750980	7434115
	0.1	15	743568	7437674
	0.1	14	747696	7436841

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Indigofera gilesii</i> P3	0.1	1	747734	7436934
	0.1	9	747988	7436884
	0.1	1	747966	7436861
	0.1	2	747733	7436822
	0.1	3	747921	7436833
	0.1	41	743589	7437600
	0.1	10	743585	7437641
	0.1	15	747714	7436835
	0.1	50	742838	7438187
	0.1	10	741433	7437745
	0.1	20	741053	7437897
	0.1	10	741117	7437882
	0.1	8	741092	7437884
	0.1	1	741157	7437882
	0.1	3	741432	7437730
	0.1	50	740941	7437910
	0.1	6	740619	7438113
	0.1	18	741014	7437899
	0.1	25	741394	7437792
	0.1	5	741411	7437768
	0.1	25	740966	7437911
	0.1	60	741304	7437854
	0.1	17	741356	7437825
	0.1	22	740988	7437898
	0.1	50	741270	7437857
	0.1	5	741371	7437803
	0.1	1	722598	7431519
	0.1	1	736839	7435018
	0.5	250	748517	7437928
	0.1	21	750711	7434117
0.1	30	750863	7433894	
0.1	10	750415	7434086	
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	5	730635	7436359
	0.1	3	738825	7443344
	0.1	3	741836	7435751
	1.0	10	735868	7432331
	0.1	2	732148	7436393
	0.1	3	730402	7435776
	0.1	5	745856	7431839
	0.1	2	745812	7431813

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	731550	7435362
	0.1	2	737791	7434866
	0.1	15	736420	7434477
	0.1	12	740120	7434444
	0.1	6	744559	7432336
	0.1	1	743721	7432261
	0.1	2	722818	7434589
	0.1	2	737767	7434554
	1.0	5	745981	7433900
	0.1	2	733608	7433057
	0.1	1	728889	7430794
	0.1	1	748688	7438109
	0.1	7	748854	7438099
	0.1	3	748840	7438098
	0.1	1	748663	7438139
	0.1	6	748855	7438083
	0.1	1	744404	7437985
	0.1	2	721495	7433670
	0.1	1	721217	7433603
	0.1	1	741129	7437518
	0.1	1	742079	7437457
	0.1	1	724310	7431848
	0.1	1	732393	7445116
	0.1	1	731742	7441629
	0.1	5	732394	7445130
	0.1	1	740694	7438233
	0.1	1	728733	7435184
	0.1	1	723481	7436935
	0.1	1	723065	7437070
	0.1	1	729037	7434169
	0.1	1	730694	7436376
	0.1	1	730662	7436339
	0.1	2	730690	7436358
	0.1	1	737650	7439707
0.1	1	730633	7436394	
0.1	1	754605	7441804	
0.1	3	743565	7441455	
0.1	2	743563	7441437	
0.1	1	743551	7441309	
0.1	2	743530	7441387	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	5	743539	7441422
	0.1	1	746972	7440354
	0.1	4	749704	7439469
	0.1	1	753784	7440657
	0.1	1	751523	7440839
	0.1	2	749632	7439392
	0.1	3	753779	7440711
	0.1	1	739926	7443786
	0.1	1	738849	7445528
	0.1	2	739909	7444870
	0.1	1	737517	7440677
	0.1	1	737614	7441333
	0.1	1	737504	7440579
	0.1	1	737536	7440687
	0.1	1	738564	7441051
	0.1	1	738590	7441037
	0.1	1	738588	7441095
	0.1	1	738602	7441094
	0.1	1	738552	7441026
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	740785	7439790
	0.1	1	740783	7439789
	0.1	1	738615	7441045
	0.1	1	738592	7441073
	0.1	1	738579	7441050
	0.1	1	738526	7441073
	0.1	1	738561	7441080
	0.1	1	738558	7441099
	0.1	1	738391	7441031
	0.1	1	738151	7441131
	0.1	1	738147	7441119
	0.1	1	738601	7441040
	0.1	1	738418	7441092
	0.1	1	738570	7441028
	0.1	1	738610	7441015
	0.1	1	738568	7441040
	0.1	1	740740	7441040
	0.1	1	740409	7440252
	0.1	1	738544	7441058
	0.1	1	738844	7441045
	0.1	1	738397	7441048

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	727136	7437960
	0.1	1	738269	7440046
	0.1	1	738560	7441083
	0.1	1	738151	7441138
	0.1	1	738614	7441023
	0.1	1	738090	7440944
	0.1	1	738573	7441046
	0.1	1	740724	7440204
	0.1	1	740388	7440266
	0.1	1	740727	7440936
	0.1	1	740732	7440193
	0.1	2	740720	7441371
	0.1	3	740401	7440254
	0.1	1	738322	7439013
	0.1	1	738325	7439426
	0.1	1	738331	7439017
	0.1	1	738325	7439070
	0.1	1	739181	7439076
	0.1	1	738324	7438918
	0.1	1	738320	7439436
	0.1	1	739098	7439132
	0.1	1	739092	7439324
	0.1	1	739097	7439155
	0.1	1	738322	7439032
	0.1	1	739088	7439298
	0.1	1	738336	7438992
	0.1	2	739108	7439119
	0.1	1	739151	7439353
	0.1	1	738336	7439014
	0.1	1	739089	7439318
	0.1	1	738330	7439433
	0.1	1	738313	7439177
	0.1	1	738304	7439749
0.1	1	738332	7439022	
0.1	1	738345	7439004	
0.1	1	738320	7439001	
0.1	1	738340	7439031	
0.1	1	738303	7439755	
0.1	1	738321	7438999	
0.1	1	738321	7438943	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738325	7438902
	0.1	1	739142	7439135
	0.1	1	739136	7439104
	0.1	1	738311	7439041
	0.1	1	738307	7439044
	0.1	1	738315	7438883
	0.1	1	739158	7439102
	0.1	1	738313	7439055
	0.1	1	738323	7438875
	0.1	1	738326	7439040
	0.1	1	739154	7439118
	0.1	1	738335	7438878
	0.1	1	739157	7439123
	0.1	1	738327	7439069
	0.1	1	739139	7439195
	0.1	1	738323	7439103
	0.1	1	738333	7438862
	0.1	1	739148	7439221
	0.1	1	739160	7439291
	0.1	1	739161	7439279
	0.1	1	738326	7439367
	0.1	1	738301	7439059
	0.1	1	738319	7439397
	0.1	1	738307	7439057
	0.1	1	738302	7438875
	0.1	1	738338	7439582
	0.1	1	738312	7438894
	0.1	1	738299	7439103
	0.1	1	738343	7439606
	0.1	1	738303	7438916
	0.1	2	739530	7439281
	0.1	1	738309	7438939
	0.1	1	739531	7439290
	0.1	1	738314	7438945
0.1	1	738302	7438946	
0.1	1	738296	7438951	
0.1	1	738292	7438954	
0.1	1	738298	7439084	
0.1	1	738707	7441734	
0.1	1	739899	7439364	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738291	7440108
	0.1	1	739898	7439372
	0.1	1	738299	7439016
	0.1	1	738296	7440104
	0.1	1	738296	7439019
	0.1	1	738793	7438904
	0.1	1	738311	7439050
	0.1	1	738311	7439048
	0.1	1	738297	7439046
	0.1	1	738402	7439813
	0.1	1	738191	7440037
	0.5	1	738288	7440058
	0.1	1	738301	7439058
	0.1	1	738337	7438830
	0.1	1	739162	7439122
	0.1	1	738338	7438881
	0.1	2	739163	7439277
	0.1	1	738332	7438818
	0.1	1	739169	7439159
	0.1	1	738307	7438860
	0.1	1	739112	7439192
	0.1	1	738312	7438856
	0.1	1	738299	7438873
	0.1	1	739584	7439290
	0.1	1	739568	7439223
	0.1	1	738298	7438885
	0.1	1	739095	7439308
	0.1	1	739549	7439236
	0.1	1	739530	7439330
	0.1	1	739185	7439193
	0.1	1	738296	7438947
	0.1	1	739934	7439231
	0.1	1	739900	7439293
	0.1	1	738294	7438964
0.1	1	738303	7438974	
0.1	1	738300	7438979	
0.1	1	739902	7439411	
0.1	1	738301	7439004	
0.1	1	738303	7439013	
0.1	1	739129	7439202	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738288	7439007
	0.1	1	738323	7438835
	0.1	1	738287	7439007
	0.1	1	739187	7439308
	0.1	1	739158	7439217
	0.1	1	738288	7439020
	0.1	1	738288	7439024
	0.1	1	738313	7439038
	0.1	1	738313	7439049
	0.1	2	739190	7439118
	0.1	1	738320	7438914
	0.1	1	738297	7439054
	0.1	1	738305	7439058
	0.1	1	739131	7439178
	0.1	1	738306	7439121
	0.1	1	738301	7439756
	0.1	1	738306	7439768
	0.1	1	738284	7440132
	0.1	1	738296	7440103
	0.1	1	738292	7440106
	0.1	1	738336	7438896
	0.1	1	739520	7439175
	0.1	1	738325	7438885
	0.1	1	738336	7438859
	0.1	1	738324	7438875
	0.1	1	739182	7439176
	0.1	1	739524	7439143
	0.1	1	741155	7440007
	0.1	1	738387	7439109
	0.1	1	738757	7438820
	0.1	2	738719	7439203
	0.1	1	738378	7439508
	0.1	1	738385	7439020
0.1	1	738366	7438864	
0.1	1	741493	7440029	
0.1	1	741508	7440140	
0.1	1	738387	7439421	
0.1	1	738372	7438953	
0.1	1	741143	7441334	
0.1	1	741278	7440238	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738667	7438826
	0.1	1	741120	7441448
	0.1	1	738387	7439080
	0.1	1	738592	7438872
	0.1	1	741142	7441338
	0.1	2	741259	7441818
	0.1	1	741136	7441794
	0.1	1	738376	7438950
	0.1	1	741150	7441386
	0.1	1	738463	7438766
	0.1	1	741332	7440275
	0.1	1	738393	7439028
	0.1	1	741131	7441858
	0.1	1	741370	7441855
	0.1	1	738363	7438837
	0.1	1	741820	7442099
	0.1	1	741586	7439640
	0.1	1	738453	7438845
	0.1	1	741146	7441680
	0.1	1	741294	7441831
	0.1	1	738362	7439100
	0.1	1	741142	7441405
	0.1	1	738367	7438740
	0.1	1	738377	7439473
	0.1	1	738373	7438991
	0.1	1	741148	7441413
	0.1	1	738356	7439065
	0.1	1	738367	7438740
	0.1	1	738451	7438766
	0.1	1	738447	7438755
	0.1	1	738375	7438978
	0.1	1	738747	7438768
	0.1	1	738363	7438843
0.1	1	741353	7441855	
0.1	1	738437	7438768	
0.1	1	738374	7439044	
0.1	1	741337	7440263	
0.1	1	738426	7438848	
0.1	1	738380	7438814	
0.1	1	738390	7438832	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	741121	7441138
	0.1	1	738719	7439266
	0.1	2	741278	7439926
	0.1	2	738706	7438714
	0.1	1	738340	7438837
	0.1	3	741846	7442115
	0.1	1	738371	7439490
	0.1	1	740946	7441754
	0.1	1	738376	7438748
	0.1	1	741502	7440014
	0.1	1	738376	7439058
	0.1	2	741267	7439921
	0.1	1	741129	7440143
	0.1	1	738387	7439109
	0.1	1	738620	7438873
	0.1	1	738381	7438823
	0.1	1	738377	7438973
	0.1	1	738373	7438991
	0.1	1	741670	7441998
	0.1	1	741493	7440018
	0.1	1	741128	7439660
	0.1	1	738378	7439047
	0.1	1	738347	7439079
	0.1	1	741565	7440095
	0.1	1	741867	7442122
	0.1	1	741168	7441527
	0.1	1	738351	7439092
	0.1	1	738348	7438999
	0.1	1	738382	7439017
	0.1	1	740996	7441802
	0.1	1	738356	7438924
	0.1	1	738358	7438888
	0.1	1	741167	7440551
0.1	1	738354	7439134	
0.1	1	738348	7439029	
0.1	1	738364	7439038	
0.1	1	738362	7438998	
0.1	1	738357	7439023	
0.1	1	741922	7442119	
0.1	1	738362	7439042	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738384	7439025
	0.1	1	738378	7439020
	0.1	1	738375	7439054
	0.1	1	738375	7438866
	0.1	1	741795	7442049
	0.1	1	738357	7439016
	0.1	1	741148	7441077
	0.1	1	741562	7439980
	0.1	1	741821	7442106
	0.1	1	741165	7441350
	0.1	1	740822	7441688
	0.1	1	738365	7439001
	0.1	1	738370	7439219
	0.1	1	741162	7441175
	0.1	1	741150	7441388
	0.1	1	741550	7440054
	0.1	1	741168	7441344
	0.1	1	738367	7439091
	0.1	1	738347	7439022
	0.1	1	741686	7442023
	0.1	1	738362	7439052
	0.1	1	738371	7438954
	0.1	1	738350	7438872
	0.1	1	741148	7440215
	0.1	1	738351	7439007
	0.1	1	738381	7438995
	0.1	1	738361	7439023
	0.1	1	738352	7438955
	0.1	1	741499	7440017
	0.1	1	738375	7438749
	0.1	1	738355	7439057
	0.1	1	741146	7441422
	0.1	1	741170	7441134
0.1	1	740949	7441756	
0.1	1	738358	7439017	
0.1	1	738354	7439004	
0.1	1	738348	7438868	
0.1	1	741509	7440036	
0.1	1	741641	7442021	
0.1	1	738362	7439045	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738347	7438845
	0.1	1	738359	7438741
	0.1	1	738350	7438852
	0.1	1	741525	7440011
	0.1	1	738349	7438790
	0.1	1	741155	7441507
	0.1	1	738373	7438747
	0.1	1	741096	7440255
	0.1	1	738359	7439027
	0.1	1	738341	7439042
	0.1	1	738373	7439099
	0.1	1	738376	7438824
	0.1	1	741156	7441512
	0.1	1	740939	7441745
	0.1	1	738351	7438971
	0.1	1	738339	7439021
	0.1	1	738354	7439016
	0.1	1	741099	7439793
	0.1	1	738377	7439284
	0.1	1	738347	7438867
	0.1	1	741727	7441965
	0.1	1	741123	7440255
	0.1	1	741067	7441770
	0.1	1	741336	7440260
	0.1	1	738360	7439091
	0.1	1	741642	7442023
	0.1	1	738379	7439282
	0.1	1	738378	7438762
	0.1	1	738366	7438737
	0.1	1	738334	7438865
	0.1	1	741703	7441967
	0.1	1	741509	7440021
	0.1	1	738354	7439005
	0.1	1	738368	7439043
0.1	1	738381	7439017	
0.1	1	738334	7438997	
0.1	1	738340	7439038	
0.1	1	741181	7441421	
0.1	1	741147	7439677	
0.1	1	738374	7438764	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	741127	7441392
	0.1	1	741793	7442074
	0.1	1	741414	7441806
	0.1	1	741832	7442108
	0.1	1	738373	7438872
	0.1	1	741525	7439968
	0.1	3	741645	7442021
	0.1	1	738377	7439032
	0.1	2	741411	7441811
	0.1	1	738359	7438886
	0.1	1	741270	7441827
	0.1	1	738375	7438901
	0.1	1	738370	7438861
	0.1	1	738343	7439155
	0.1	1	741167	7441523
	0.1	1	741101	7440243
	0.1	1	738349	7439118
	0.1	1	741097	7441515
	0.1	1	741147	7441394
	0.1	1	738369	7439052
	0.1	1	741100	7440253
	0.1	1	738344	7439046
	0.1	1	741099	7441397
	0.1	1	738339	7439044
	0.1	1	738342	7439027
	0.1	1	738360	7438981
	0.1	1	741635	7441998
	0.1	1	738349	7439022
	0.1	1	738391	7439060
	0.1	1	738352	7438896
	0.1	1	738354	7438848
	0.1	1	740998	7441799
	0.1	1	741849	7442114
0.1	1	738350	7439130	
0.1	1	741122	7441145	
0.1	1	738371	7439286	
0.1	1	741028	7441827	
0.1	1	738371	7438954	
0.1	1	738350	7438852	
0.1	1	738387	7439109	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738713	7439211
	0.1	1	741520	7440008
	0.1	1	741069	7441764
	0.1	3	738699	7438689
	0.1	1	738361	7439023
	0.1	1	740918	7441705
	0.1	1	740745	7441620
	0.1	1	741170	7441421
	0.1	1	741102	7440193
	0.1	1	738364	7439086
	0.1	1	738340	7438805
	0.1	1	738335	7439056
	0.1	1	738353	7439082
	0.1	1	738352	7438985
	0.1	1	738355	7439342
	0.1	1	741175	7441395
	0.1	1	738345	7439155
	0.1	1	738351	7439080
	0.1	1	738534	7438834
	0.1	1	738341	7439044
	0.1	1	741167	7441373
	0.1	1	741530	7440005
	0.1	1	738350	7439154
	0.1	1	741101	7441440
	0.1	1	738714	7439405
	0.1	1	738345	7439155
	0.1	1	738358	7438852
	0.1	1	738347	7439079
	0.1	1	738354	7439053
	0.1	1	738343	7439025
	1.0	1	738674	7438811
	0.1	1	741097	7441515
	0.1	1	738345	7438865
	0.1	1	741106	7441521
	0.1	1	738464	7438773
	0.1	1	741551	7440049
0.1	1	738348	7438904	
0.1	1	738365	7439026	
0.1	1	738357	7439117	
0.1	1	738348	7439007	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	741099	7441618
	0.1	1	741172	7440319
	0.1	1	738348	7438857
	0.1	1	738610	7438876
	0.1	1	740854	7441754
	0.1	1	741047	7441826
	0.1	1	738354	7439114
	0.1	1	740724	7441698
	0.1	1	741098	7441685
	0.1	1	738356	7439005
	0.1	1	738351	7439058
	0.1	1	738349	7439025
	0.1	1	740390	7441707
	0.1	1	738352	7439005
	0.1	1	740119	7441771
	0.1	1	738355	7439126
	0.1	1	738334	7438870
	0.1	1	738632	7438869
	0.1	1	738352	7439053
	0.1	1	738343	7438906
	0.1	1	738666	7438824
	0.1	1	738707	7439316
	0.1	1	741822	7442113
	0.1	1	738351	7438868
	0.1	1	738664	7438826
	0.1	1	738356	7439003
	0.1	1	738717	7439033
	0.1	1	738650	7438885
	0.1	1	738402	7438844
	0.1	1	738356	7439003
	0.1	1	738655	7438806
	0.1	1	741813	7442117
	0.1	1	738350	7438878
0.1	1	738356	7439003	
0.1	1	738699	7439334	
0.1	1	741913	7442084	
0.1	1	741897	7442083	
0.1	1	738343	7439121	
0.1	1	741155	7441463	
0.1	1	738346	7439053	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	741180	7441119
	0.1	1	738406	7438833
	0.1	1	738508	7438798
	0.1	1	738794	7438892
	0.1	1	738350	7439048
	0.1	1	738356	7439053
	0.1	1	738356	7439003
	0.1	2	740952	7441808
	0.1	1	741269	7440448
	0.1	1	738342	7439116
	0.1	1	741160	7441453
	0.1	1	738386	7438840
	0.1	1	741520	7439942
	0.1	1	738334	7438997
	0.1	1	741107	7441773
	0.1	1	741300	7439912
	0.1	1	741557	7440063
	0.1	1	738358	7438844
	0.1	1	738360	7439092
	0.1	1	741173	7441416
	0.1	3	741966	7440094
	0.1	1	742328	7440248
	0.1	1	742739	7441152
	0.1	1	742332	7440375
	0.1	1	742327	7440939
	0.1	1	738436	7438789
	0.1	1	738450	7438807
	0.1	2	742383	7441033
	0.1	2	742329	7441145
	0.1	5	742325	7441180
	0.1	1	742343	7440142
	0.1	1	738496	7438806
	0.1	2	742323	7441168
0.1	2	742334	7441207	
0.1	1	741911	7442010	
0.1	1	738659	7438852	
0.1	1	742381	7441135	
0.1	1	738699	7438856	
0.1	1	742350	7440033	
0.1	1	741431	7440151	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	741901	7442015
	0.1	1	741930	7442046
	0.1	1	741908	7439913
	0.1	1	741551	7440376
	0.1	1	741497	7440255
	0.1	3	741742	7441900
	0.1	1	741496	7440286
	0.1	1	742045	7442157
	0.1	2	741493	7441641
	0.1	1	741973	7442047
	0.1	1	741823	7441904
	0.1	2	741587	7440575
	0.1	1	741670	7441849
	0.1	1	741918	7440173
	0.1	1	741469	7440135
	0.1	1	741924	7440185
	0.1	2	741889	7440355
	0.1	1	742080	7440145
	0.1	1	741921	7440368
	0.1	1	741917	7440374
	0.1	1	741923	7440476
	0.1	1	741921	7440601
	0.1	3	742123	7440132
	0.1	1	741908	7440801
	0.1	2	741932	7440839
	0.1	1	741930	7441016
	0.1	2	742764	7440114
	0.1	1	742769	7440102
	0.1	1	742761	7440100
	0.1	2	742760	7440065
	0.1	1	742768	7440064
	0.1	1	742761	7440047
	0.1	1	742764	7440041
	0.1	2	742772	7440048
0.1	2	742796	7440122	
0.1	1	742769	7440018	
0.1	2	742119	7440131	
0.1	1	742762	7440030	
0.1	1	742794	7439979	
0.1	1	741968	7440946	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	742788	7439875
	0.1	1	742757	7440014
	0.1	1	742793	7439880
	0.1	1	742759	7440008
	0.1	1	742695	7439788
	0.1	2	742761	7439982
	0.1	1	742701	7439879
	0.1	1	742751	7439848
	0.1	2	741961	7440776
	0.1	1	742728	7439908
	0.1	1	742716	7440250
	0.1	1	741954	7440756
	0.1	1	742145	7440131
	0.1	1	742720	7439954
	0.1	1	741975	7440675
	0.1	1	742704	7440285
	0.1	1	742721	7439955
	0.1	1	742717	7440091
	0.1	1	741976	7440685
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742715	7440093
	0.1	1	741862	7441981
	0.1	1	742702	7440297
	0.1	1	742718	7440092
	0.1	1	742719	7441038
	0.1	1	741963	7440522
	0.1	1	742725	7440100
	0.1	1	742801	7441114
	0.1	1	742723	7440095
	0.1	1	742789	7440217
	0.1	1	742734	7440146
	0.1	1	742304	7440306
	0.1	1	742736	7440135
	0.1	1	742379	7440309
	0.1	1	742733	7440134
	0.1	4	742201	7440121
	0.1	1	742731	7440145
	0.1	2	742334	7441203
	0.1	1	742385	7441196
	0.1	1	742404	7441186
	0.1	1	742392	7440933

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742720	7440242
	0.1	1	742372	7440306
	0.1	1	742379	7440340
	0.1	1	742311	7439982
	0.1	2	742730	7440287
	0.1	1	737953	7438604
	0.1	1	742737	7440947
	0.1	1	738096	7438090
	0.1	1	742742	7441003
	0.1	1	742742	7441051
	0.1	1	742382	7440344
	2.0	5	737987	7438580
	0.1	1	742742	7441158
	0.1	1	742388	7440428
	0.1	1	742768	7441130
	0.1	2	738370	7438791
	0.1	1	742280	7440122
	0.1	1	738393	7438793
	0.1	1	742760	7440217
	0.1	1	742748	7440225
	0.1	2	738380	7438794
	0.1	1	737913	7438938
	0.1	1	742766	7440224
	0.1	1	738026	7438714
	0.1	1	741794	7441936
	0.1	1	743049	7440172
	0.1	1	738406	7438787
	0.1	1	743006	7440136
	0.1	1	737979	7438622
	0.1	1	742735	7441101
	0.1	1	742764	7439842
	0.1	1	737976	7439146
	0.1	1	742646	7440186
	1.0	2	738409	7438795
0.1	1	742337	7440254	
0.1	1	737984	7438565	
0.1	1	738430	7438783	
0.1	1	737930	7439725	
0.1	1	738065	7438001	
0.1	1	743026	7440129	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742733	7440880
	0.1	1	741921	7440426
	0.1	2	738433	7438783
	0.1	1	742635	7440186
	0.1	1	737924	7439720
	0.1	1	742850	7440133
	0.1	1	742219	7440196
	0.1	3	742329	7440948
	0.1	1	737950	7439150
	0.1	1	742719	7440277
	0.1	1	737944	7439494
	0.1	1	742345	7441118
	0.1	1	743038	7440131
	0.1	1	741906	7440460
	0.1	2	742723	7440257
	0.1	1	742730	7440249
	0.1	1	738481	7438803
	0.1	1	742389	7440307
	0.1	1	737954	7439683
	0.1	2	742332	7441177
	0.1	3	738661	7438832
	0.1	3	742721	7440197
	0.1	1	742722	7440242
	0.1	1	738667	7438841
	0.1	1	743032	7440128
	0.1	1	742393	7440930
	0.1	1	742657	7440136
	0.1	1	742714	7440243
	0.1	3	742382	7441126
	0.1	1	742093	7440172
	0.1	3	742386	7441102
	0.1	1	742737	7440219
	0.1	1	742731	7440145
	0.1	1	742710	7440211
	0.1	1	743028	7440147
	0.1	2	742383	7441016
0.1	2	742758	7440028	
0.1	2	742369	7440983	
0.1	1	742888	7440151	
0.1	1	742376	7440978	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742322	7441162
	0.1	1	737962	7439694
	0.1	1	742304	7441141
	0.1	1	742727	7439823
	0.1	2	742870	7440129
	0.1	2	742786	7440218
	0.1	1	742733	7440136
	0.1	4	741929	7440451
	0.1	1	742841	7440166
	0.1	1	742376	7440339
	0.1	1	737992	7438942
	0.1	1	742069	7440170
	0.1	1	742896	7440156
	0.1	1	742725	7440130
	0.1	1	742792	7440877
	0.1	2	742371	7440308
	0.1	1	737951	7439732
	0.1	1	737968	7439273
	0.1	1	741409	7440146
	0.1	1	742788	7440074
	0.1	1	737950	7439733
	0.1	1	742705	7441127
	0.1	1	743078	7440133
	0.1	1	737971	7439131
	0.1	1	741958	7440409
	0.1	1	742033	7440170
	0.1	1	742700	7439892
	0.1	1	742723	7440098
	0.1	2	742862	7440132
	0.1	1	742901	7440155
	0.1	1	742604	7440143
	0.1	2	741905	7440457
	0.1	1	737949	7439736
	0.1	1	741807	7440169
0.1	1	742699	7440300	
0.1	1	737956	7439727	
0.1	1	742702	7440287	
0.1	1	743091	7440136	
0.1	1	741962	7440828	
0.1	1	742755	7440028	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742695	7440282
	0.1	1	742878	7440133
	0.1	1	741963	7441134
	0.1	1	742635	7440131
	0.1	1	737957	7439728
	0.1	1	742730	7439912
	0.1	1	742713	7440207
	0.1	1	742695	7440280
	0.1	1	741448	7440169
	0.1	1	742757	7439970
	0.1	1	737972	7439150
	0.1	1	741965	7441498
	0.1	1	742727	7439919
	0.1	1	742710	7440260
	0.1	1	742845	7440135
	0.1	1	738287	7439490
	0.1	1	742732	7439912
	0.1	1	741929	7441018
	0.1	1	738105	7439459
	0.1	1	742845	7440143
	0.1	1	742640	7440137
	0.1	2	741927	7440182
	0.1	1	743065	7440158
	0.1	1	742833	7440133
	0.1	1	742917	7440165
	0.1	1	742872	7440129
	0.1	1	741898	7440339
	0.1	1	741914	7440710
	0.1	1	741976	7442096
	0.1	1	742688	7440110
	0.1	4	741900	7440347
	0.1	1	741907	7440691
	0.1	1	742927	7440174
	0.1	1	741922	7440607
0.1	1	743066	7440168	
0.1	1	742689	7440117	
0.1	1	741922	7440424	
0.1	1	743011	7440162	
0.1	1	742946	7440191	
0.1	1	742767	7441069	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	738342	7438789
	0.1	1	742757	7440229
	0.1	1	743004	7440137
	0.1	1	738055	7438732
	0.1	2	742753	7440125
	0.1	1	742866	7440181
	0.1	1	743068	7440148
	0.1	1	742408	7440146
	0.1	1	743089	7440128
	0.1	1	737953	7439683
	0.1	1	741416	7440151
	0.1	1	737962	7439694
	0.1	1	742275	7440150
	0.1	2	742886	7440171
	0.1	1	742329	7440073
	0.1	1	738081	7439474
	0.1	1	742888	7440178
	0.1	1	741959	7439994
	0.1	1	737960	7439689
	0.1	1	742892	7440172
	0.1	1	737960	7439690
	0.1	1	742771	7440062
	0.1	1	743078	7440132
	0.1	1	742952	7440194
	0.1	1	742122	7440119
	0.1	1	741548	7441576
	0.1	1	737950	7439738
	0.1	1	742861	7440131
	0.1	1	741432	7440144
	0.1	1	741233	7440122
	0.1	1	743074	7440178
	0.1	1	742337	7440119
	0.1	1	741555	7440602
	0.1	1	742614	7440176
0.1	1	741687	7441853	
0.1	1	743010	7440154	
0.1	1	741762	7440185	
0.1	1	742123	7440132	
0.1	1	742690	7440111	
0.1	1	742626	7440163	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742063	7440190
	0.1	1	742665	7440126
	0.1	2	742631	7440180
	0.1	1	743049	7440183
	0.1	1	741747	7441815
	0.1	1	742638	7440114
	0.1	1	742964	7440130
	0.1	1	742095	7442190
	0.1	1	742838	7440141
	0.1	1	742641	7440106
	0.1	4	742632	7440115
	0.1	2	742664	7440175
	0.1	1	742828	7440140
	0.1	1	741523	7440427
	0.1	1	741915	7440014
	0.1	1	741948	7440063
	0.1	1	739539	7442031
	0.1	1	743044	7440186
	0.1	1	737970	7439132
	0.1	1	742308	7439798
	0.1	1	741553	7440635
	0.1	3	742709	7440173
	0.1	1	742203	7440177
	0.1	1	743043	7440181
	0.1	1	740704	7440125
	0.1	1	741526	7440580
	0.1	1	742805	7440169
	0.1	1	743039	7440183
	0.1	1	737909	7439737
	0.1	5	742840	7440160
	0.1	1	737970	7439131
	0.1	1	742246	7440137
	0.1	1	742630	7440140
0.1	1	741606	7441857	
0.1	1	737930	7439727	
0.1	1	737981	7439145	
0.1	1	741475	7440175	
0.1	1	743004	7440137	
0.1	1	742864	7440185	
0.1	1	742579	7440125	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	741548	7440392
	0.1	1	737961	7439143
	0.1	1	741953	7440135
	0.1	2	744393	7439406
	0.1	1	743175	7439865
	0.1	1	744331	7439646
	0.1	1	743613	7440160
	0.1	1	743976	7440001
	0.1	1	744333	7439524
	0.1	1	744348	7439842
	0.1	1	743121	7439801
	0.1	1	744345	7439815
	0.1	2	743133	7439946
	0.1	1	743169	7439885
	0.1	1	743610	7440162
	0.1	1	743905	7439792
	0.1	1	744135	7440186
	0.1	3	743557	7439858
	0.1	1	744330	7439832
	0.1	1	743179	7440138
	0.1	1	744382	7439718
	0.1	1	744331	7439511
	0.1	1	743169	7440793
	0.1	1	743671	7440177
	0.1	1	743172	7439876
	0.1	1	744369	7439515
	0.1	1	744371	7439797
	0.1	1	743174	7440158
	0.1	2	743504	7439901
	0.1	1	743171	7439986
	0.1	1	744378	7439846
	0.1	1	744332	7439235
	0.1	1	744214	7440125
	0.1	2	743154	7440404
0.1	1	743501	7440200	
0.1	1	743163	7439753	
0.1	1	744331	7439828	
0.1	3	743126	7440064	
0.1	1	743166	7440062	
0.1	1	743139	7439748	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	5	743903	7439834
	0.5	3	743903	7439762
	0.1	1	743116	7440057
	0.1	1	744311	7439877
	0.1	1	743166	7440810
	0.1	1	743564	7440106
	0.1	1	743167	7440049
	0.1	1	743104	7439827
	0.1	1	743164	7439755
	0.1	2	743584	7440052
	0.1	1	743700	7440172
	0.1	1	744391	7439405
	0.1	1	743144	7439950
	0.1	1	744219	7440160
	0.1	1	744265	7440141
	0.1	2	743155	7440019
	0.1	4	743516	7440049
	0.1	1	743133	7440025
	0.1	4	743599	7440060
	0.1	1	743155	7440404
	0.1	1	743521	7440139
	0.1	1	743999	7439891
	0.1	1	744327	7439831
	0.1	1	744347	7439753
	0.1	1	743472	7440178
	0.1	1	743824	7440189
	0.1	2	743578	7440065
	0.1	1	743568	7440096
	0.1	1	743170	7440124
	0.1	1	743396	7440201
	0.1	1	744316	7439766
	0.1	1	743146	7440798
	0.1	1	744242	7440149
	0.1	1	743526	7439841
0.1	1	744251	7440122	
0.1	1	743189	7439653	
0.1	1	744342	7439683	
0.1	1	744379	7439580	
0.1	1	743559	7439863	
0.1	1	743123	7440056	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743104	7440312
	0.1	1	743110	7440146
	0.1	1	744396	7439572
	0.1	1	743534	7440020
	0.5	5	743981	7439862
	0.1	1	743177	7440133
	0.1	1	744380	7439500
	0.1	1	743115	7440138
	0.1	1	743267	7440193
	0.1	1	743114	7440109
	0.1	1	743110	7440391
	0.1	1	743192	7440149
	0.1	1	743172	7439924
	0.1	2	744336	7439459
	0.1	2	744322	7439767
	0.1	2	744335	7439229
	0.1	4	744177	7440167
	0.1	1	744387	7439711
	0.1	1	743458	7440196
	0.1	1	744378	7439541
	0.1	1	743554	7439855
	0.1	1	743184	7440135
	0.1	1	744322	7439435
	0.1	1	743160	7440799
	0.1	1	744000	7439989
	0.1	1	744023	7439498
	0.1	2	743170	7439752
	0.1	1	744339	7439236
	0.1	1	743266	7440195
	0.1	1	743179	7440140
	0.1	3	744387	7439297
	0.1	2	743900	7439818
	0.1	1	744386	7439550
0.1	1	743762	7440156	
0.1	2	744233	7440174	
0.1	1	743554	7439856	
0.1	2	744002	7440118	
0.1	1	743536	7440094	
0.1	1	744370	7439517	
0.1	3	744385	7439536	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744348	7439827
	0.1	2	743176	7440039
	0.1	1	744311	7439770
	0.1	1	743170	7439779
	0.1	1	743569	7440130
	0.1	1	744387	7439257
	0.1	1	744339	7439709
	0.1	1	743194	7440327
	0.1	1	744385	7439502
	0.1	1	743388	7440205
	0.1	1	743296	7440178
	0.1	1	744385	7439308
	0.1	1	744400	7439596
	0.1	1	744379	7439738
	0.1	1	743162	7440061
	0.1	1	743182	7440144
	0.1	1	743419	7440188
	0.1	1	743174	7439875
	0.1	1	743130	7439885
	0.1	1	744390	7439572
	0.1	1	743170	7440156
	0.1	1	743166	7440013
	0.1	1	744326	7439437
	0.1	1	743295	7440182
	0.1	1	743581	7440058
	0.1	2	743504	7440044
	0.1	1	743115	7440058
	0.1	1	743212	7440179
	0.1	2	744335	7439410
	0.1	1	743528	7440027
	0.1	2	743147	7440381
	0.1	2	744344	7439751
	0.1	1	744379	7439737
0.1	2	743155	7440275	
0.1	1	744394	7439407	
0.1	1	743994	7440089	
0.1	1	743295	7440182	
0.1	1	743990	7439863	
0.1	1	743555	7439866	
0.1	3	743137	7439809	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743531	7439827
	0.1	2	743586	7440106
	0.1	2	743561	7439655
	0.1	1	743973	7440051
	0.1	1	743110	7440079
	0.1	2	743132	7440066
	0.1	1	743179	7440187
	0.1	1	743521	7440089
	0.1	1	743909	7439819
	0.1	1	743173	7439907
	0.1	1	743354	7440177
	0.1	1	744331	7439388
	0.1	2	743505	7440050
	0.1	1	744383	7439495
	0.1	1	743133	7440335
	0.1	1	743138	7439886
	0.1	1	744387	7439636
	1.0	2	743190	7439848
	0.1	4	743516	7440040
	0.1	1	744403	7439884
	0.1	1	743147	7440338
	0.1	2	743895	7439818
	0.1	1	744332	7439770
	0.1	1	743562	7439843
	0.1	1	743535	7440038
	0.1	1	744398	7439576
	0.1	1	744334	7439833
	0.1	1	743172	7440113
	0.1	1	743111	7440092
	0.1	1	744335	7439839
	0.1	1	743522	7440086
	0.1	1	744334	7439355
	0.1	1	743528	7440009
0.1	1	743529	7440092	
0.1	1	743178	7439917	
0.1	1	743521	7440091	
0.1	1	743346	7440184	
0.1	1	743212	7440170	
0.1	2	744339	7439241	
0.1	1	744378	7439681	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743126	7439823
	0.1	1	743591	7440086
	0.1	1	744343	7439566
	0.1	1	744390	7439557
	0.1	1	743170	7440193
	0.1	1	744331	7439606
	0.1	1	744332	7439883
	0.1	1	743546	7439845
	0.1	1	743952	7440026
	0.1	1	744392	7439573
	0.1	1	743168	7440762
	0.1	2	743178	7439915
	0.1	1	743168	7440145
	0.1	1	743098	7440031
	0.1	1	743175	7440114
	0.1	1	744294	7439883
	0.1	1	743626	7440185
	0.1	1	743675	7440194
	0.1	2	744219	7440160
	0.1	1	743095	7440060
	0.1	1	744349	7439571
	0.1	1	743824	7440189
	0.1	1	743973	7439979
	0.1	2	743153	7440730
	0.1	1	743169	7440138
	0.1	1	743674	7440191
	0.1	1	743529	7439883
	0.1	1	743521	7439844
	0.1	1	743617	7440187
	0.1	3	743121	7440020
	0.1	1	744336	7439647
	0.1	1	743161	7439865
	0.1	1	744260	7440129
	0.1	1	743592	7439604
0.1	1	744380	7439496	
0.1	1	743101	7439981	
0.1	1	743167	7440697	
0.1	2	744285	7440135	
0.1	1	743172	7440072	
0.1	1	743566	7440028	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	743675	7440189
	0.1	1	744350	7439756
	0.1	1	743147	7439940
	0.1	1	743170	7439755
	0.1	1	743124	7439823
	0.1	1	743226	7440135
	0.1	1	743579	7439537
	0.1	1	743185	7440074
	0.1	1	744360	7439557
	0.1	1	743139	7440255
	0.1	1	744306	7439096
	0.1	1	744389	7439706
	0.1	1	743188	7439943
	0.1	1	744352	7439584
	0.1	1	743132	7440088
	0.1	1	744342	7439464
	0.1	1	744339	7439472
	0.1	1	744369	7439750
	0.1	2	743636	7440130
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743145	7440287
	0.1	1	744354	7439841
	0.1	3	744197	7440144
	0.1	1	743727	7440115
	0.1	1	743173	7440038
	0.1	1	744319	7439206
	0.1	1	744381	7439548
	0.1	1	743130	7439759
	0.1	2	743135	7440314
	0.1	3	743403	7440140
	0.1	1	744387	7439719
	0.1	1	743936	7439840
	0.1	3	743327	7440137
	0.1	1	743105	7439737
	0.1	1	743132	7439810
	0.1	1	744357	7439447
	0.1	1	744368	7439751
	0.1	1	744388	7439397
	0.1	1	743165	7440007
	0.1	1	743128	7440083
	0.1	2	743631	7440114

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	2.0	2	743177	7439861
	0.1	1	744340	7439558
	0.1	1	744304	7439265
	0.1	1	743332	7440131
	2.0	2	743170	7439855
	0.1	1	743135	7440015
	0.1	1	743133	7440798
	0.1	1	744359	7439445
	0.1	2	744375	7439743
	2.0	2	743179	7439848
	0.1	1	743408	7440142
	0.5	5	743588	7440122
	0.1	1	744393	7439747
	0.1	3	743925	7439858
	0.1	1	744365	7439753
	0.1	2	743288	7440120
	0.1	1	743996	7439859
	0.1	3	743622	7440113
	0.1	1	744387	7439774
	0.1	2	743718	7440112
	0.1	1	744356	7439442
	0.1	1	743129	7440025
	0.1	2	744305	7439266
	0.1	1	744346	7439561
	0.1	1	743111	7439876
	0.1	1	744388	7439823
	0.1	1	744353	7439583
	0.1	1	744368	7439427
	0.1	1	743392	7440121
	0.1	1	743629	7440134
	0.1	1	744362	7439844
	0.1	1	743365	7440147
	0.1	1	743176	7440789
0.1	1	743167	7440044	
0.1	1	744327	7439395	
0.1	1	744369	7439843	
0.1	1	744343	7439424	
0.1	1	743505	7440030	
0.1	1	744324	7439413	
0.1	1	744374	7439846	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744222	7439057
	0.1	1	744354	7439509
	0.1	1	744365	7439380
	0.1	1	743393	7440113
	0.1	1	743344	7440131
	0.1	2	744383	7439843
	0.1	1	744360	7439746
	0.1	1	744367	7439812
	0.1	1	743905	7439873
	0.1	2	744387	7439253
	0.1	1	744357	7439609
	0.1	1	744361	7439582
	0.1	1	743104	7440046
	0.1	1	744313	7439418
	0.1	2	744214	7439049
	0.1	1	743111	7440084
	0.1	3	743140	7439933
	0.1	1	744400	7439887
	0.1	1	743771	7440114
	0.1	1	743110	7440089
	0.1	1	743140	7440109
	0.1	6	744035	7439114
	0.1	1	743183	7440325
	0.1	1	744347	7439362
	0.1	2	744392	7439884
	0.1	1	743103	7440350
	0.1	1	744362	7439746
	0.1	1	744359	7439778
	0.1	1	744387	7439552
	0.1	1	743639	7440143
	0.1	1	743587	7440047
	0.1	1	743817	7440151
	0.1	1	743346	7440119
	0.1	1	744300	7439430
0.1	1	744352	7439583	
0.1	1	744381	7439926	
0.1	1	744365	7439301	
0.1	1	744362	7439910	
0.1	1	743110	7440124	
0.1	2	743160	7440273	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	744327	7439935
	0.1	2	744307	7439452
	0.1	1	744319	7439949
	0.1	3	743099	7440144
	0.1	1	743177	7440208
	0.1	2	744307	7439908
	0.1	1	743398	7440112
	0.1	1	743100	7440143
	0.1	1	744367	7439612
	0.1	1	744361	7439302
	0.1	1	743787	7440127
	0.1	1	744371	7439802
	0.1	1	743634	7440145
	0.1	1	744363	7439791
	0.1	1	743912	7439857
	0.1	1	743186	7440207
	0.1	1	743252	7440145
	0.1	1	744366	7439257
	0.1	1	743159	7439996
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743114	7440149
	0.1	1	743171	7440052
	0.1	1	744314	7439464
	0.1	1	744292	7439874
	0.1	2	743117	7440298
	0.1	1	743167	7439818
	0.1	1	743134	7440112
	0.1	1	744357	7439251
	0.1	1	744308	7439828
	0.1	1	743807	7440142
	0.1	1	743100	7440296
	0.1	2	743171	7440009
	0.1	1	744375	7439233
	0.1	1	744363	7439612
	0.1	1	744370	7439510
	0.1	1	743161	7439999
	0.1	1	744313	7439801
	0.1	1	744379	7439265
	0.1	1	743109	7440303
	0.1	1	744361	7439908
	0.1	1	743169	7440050

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	743288	7440119
	0.1	1	744355	7439250
	0.1	1	744303	7439780
	0.1	1	744350	7439514
	0.1	1	744311	7439504
	0.1	1	743785	7440127
	0.1	1	744380	7439727
	0.1	2	743172	7439870
	0.1	1	744313	7439519
	0.1	1	743447	7440130
	0.1	2	744363	7439614
	0.1	1	744309	7439780
	0.1	1	744313	7439776
	0.1	1	743159	7439967
	0.1	1	743175	7439869
	0.1	2	743300	7440135
	0.1	3	743138	7440106
	0.1	1	744353	7439178
	0.1	1	743196	7440428
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743138	7439944
	0.1	3	743898	7439834
	0.1	4	743140	7439943
	0.1	1	744330	7439942
	0.1	1	744368	7439770
	0.1	1	743186	7440411
	0.1	1	743246	7440141
	0.1	1	744371	7439615
	0.1	1	743583	7440051
	0.1	1	744351	7439176
	0.1	1	743134	7440079
	0.1	2	743197	7440331
	0.1	1	743841	7440122
	0.1	1	743810	7440112
	0.1	1	744331	7439166
	0.1	1	743428	7440131
	0.1	2	743131	7439811
	0.1	1	744373	7439612
	0.1	1	743194	7440226
	0.1	1	744315	7439631
	0.1	1	743775	7440124

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744372	7439533
	0.1	1	743170	7439910
	0.1	1	744388	7439568
	0.1	1	744362	7439912
	0.1	1	744315	7439714
	0.1	1	744031	7439717
	0.1	1	744368	7439832
	0.1	1	744319	7439649
	0.1	1	743172	7440035
	0.1	1	744323	7439648
	0.1	1	744313	7439695
	0.1	1	743411	7440126
	0.1	1	744375	7439529
	0.1	1	743124	7439807
	0.1	4	743124	7440112
	0.1	1	744362	7439618
	0.1	1	744383	7439543
	0.1	2	744319	7439652
	0.1	3	743416	7440135
	0.1	1	744310	7439670
	0.1	1	743163	7440072
	0.1	3	743358	7440152
	0.1	1	744321	7439650
	0.1	1	743366	7440133
	0.1	1	744386	7439582
	0.1	1	744368	7439780
	0.1	1	744353	7439585
	0.1	1	744390	7439442
	0.1	1	744384	7439534
	0.1	1	743160	7439898
	0.1	1	744315	7439649
	0.1	3	743407	7440129
	0.1	1	743116	7440118
0.1	1	744383	7439590	
0.1	1	743162	7440061	
0.1	1	744396	7439135	
0.1	1	743724	7440115	
0.1	1	744392	7439605	
0.1	1	744374	7439533	
0.1	1	743340	7440153	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744372	7439771
	0.1	2	743123	7440056
	0.1	1	744364	7439592
	0.1	1	743642	7440129
	0.1	1	743138	7440019
	0.1	1	743981	7439856
	0.1	1	743353	7440121
	0.5	3	743120	7440139
	0.1	1	743225	7440148
	0.1	1	744339	7439473
	0.1	1	743141	7439757
	0.1	1	743119	7440143
	0.1	1	744370	7439544
	0.1	1	744388	7439625
	0.1	1	743931	7439799
	0.1	1	743192	7440140
	0.1	1	743128	7440254
	0.1	1	744341	7439466
	0.1	1	743130	7440089
	0.1	1	743279	7440128
	0.1	1	744402	7439571
	0.1	1	743389	7440152
	0.1	5	743638	7440125
	0.1	1	743926	7439805
	0.1	2	743184	7440124
	0.1	1	743130	7440250
	0.1	1	743572	7440058
	0.1	1	744360	7439594
	0.1	1	743792	7440125
	0.1	1	743631	7440180
	0.1	1	743256	7440155
	0.1	1	744346	7439764
	0.1	1	743414	7440186
	0.1	1	743171	7440139
0.1	1	743519	7439511	
0.1	1	744002	7439974	
0.1	1	743838	7440144	
0.1	1	744012	7440118	
0.1	2	743827	7440189	
0.1	1	743168	7440144	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	744364	7439745
	0.1	1	744326	7439476
	0.1	3	743400	7440108
	0.1	1	743259	7440152
	0.1	1	744371	7439947
	0.1	1	743565	7439835
	0.1	1	743829	7440188
	0.1	1	743514	7439848
	0.1	1	744355	7439250
	0.1	1	743170	7440088
	0.1	1	743404	7440116
	0.1	2	744321	7439477
	0.1	1	743954	7440123
	0.1	1	743552	7439859
	0.1	1	744349	7439756
	0.1	1	743855	7440189
	0.1	1	743225	7440151
	0.1	2	744311	7439253
	0.1	2	743330	7440139
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743409	7440127
	0.1	1	743523	7439517
	0.1	1	744302	7439668
	0.1	1	743535	7440020
	0.1	1	743266	7440195
	0.1	1	744000	7439985
	0.1	1	743857	7440163
	0.1	1	743415	7440134
	0.1	1	744360	7439178
	0.1	1	744340	7439459
	0.1	1	744335	7439229
	0.1	1	744323	7439432
	0.1	1	743961	7440058
	0.1	1	744372	7439803
	0.1	1	744362	7439776
	0.1	1	744332	7439869
	0.1	1	744327	7439774
	0.1	1	744372	7439613
	0.1	1	744134	7440183
	0.1	1	744358	7439176
	0.1	1	743565	7439997

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744352	7439448
	0.1	1	743546	7439865
	0.1	1	744311	7439737
	0.1	1	743389	7440195
	0.1	1	744333	7439780
	0.1	1	744352	7439511
	0.1	1	744371	7439614
	0.1	1	743532	7440016
	0.1	1	744317	7439524
	0.1	1	743522	7439783
	0.1	1	744311	7439551
	0.1	2	744331	7439883
	0.1	1	743250	7440160
	0.1	3	743867	7440140
	0.1	1	744333	7439540
	0.1	1	744007	7440084
	0.1	1	743433	7440151
	0.1	1	743308	7440114
	0.1	1	744344	7439465
	0.1	1	744371	7439706
	0.1	1	744059	7440144
	0.1	1	743239	7440163
	0.1	1	743165	7440079
	0.1	1	744136	7440189
	0.1	2	744318	7439614
	0.1	1	743975	7440000
	0.1	1	744319	7439654
	0.1	1	743571	7439838
	0.1	1	743910	7439956
	0.1	4	744176	7440171
	0.1	2	743302	7440129
	0.1	1	743223	7440130
	0.1	1	744003	7440085
	0.1	1	744353	7439708
	0.1	2	743417	7440186
	0.1	1	744353	7439458
0.1	1	743431	7440132	
0.1	1	744331	7439830	
0.1	1	743456	7440200	
0.1	1	743559	7439853	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744363	7439499
	0.1	1	743174	7440075
	0.1	1	743564	7439865
	0.1	1	744358	7439724
	0.1	1	743645	7440128
	0.1	4	744183	7440169
	0.1	1	744314	7439619
	0.1	1	743461	7440190
	0.1	2	743238	7440167
	0.1	2	743406	7440185
	0.1	1	744329	7439509
	0.1	1	744352	7439500
	0.1	1	744367	7439499
	0.1	1	744368	7439781
	0.1	1	743999	7440090
	0.1	1	743220	7440150
	0.1	1	744331	7439883
	0.1	1	744336	7439911
	0.1	2	743417	7440185
	0.1	3	743994	7440105
	0.1	1	743648	7440148
	0.1	1	743346	7440180
	0.1	1	743351	7440129
	0.1	2	744013	7440119
	0.1	1	743491	7440203
	0.1	1	744328	7439652
	0.1	1	743568	7439930
	0.1	1	743568	7439632
	0.1	3	743345	7440136
	0.1	1	744336	7439234
	0.1	1	744317	7439754
	0.1	1	744357	7439583
	0.1	1	743220	7440177
	0.1	1	743555	7439851
0.1	1	744317	7439394	
0.1	1	743695	7440166	
0.1	1	744364	7439745	
0.1	1	743171	7440140	
0.1	1	743346	7440119	
0.1	1	744362	7439584	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743975	7440001
	0.1	1	744004	7440093
	0.1	1	743718	7440182
	0.1	1	744320	7439629
	0.1	1	743179	7440138
	0.1	1	744374	7439510
	0.1	1	744335	7439655
	0.1	1	744369	7439440
	0.1	1	743177	7440140
	0.1	1	744344	7439424
	0.1	1	744312	7439737
	0.1	1	744338	7439752
	0.1	2	743530	7440093
	0.1	1	744365	7439744
	0.1	1	744363	7439570
	0.1	1	743766	7440164
	0.1	1	744309	7439372
	0.1	1	744367	7439552
	0.1	1	744366	7439437
	0.1	1	743559	7439565
	0.1	1	744336	7439885
	0.1	1	743334	7440182
	0.1	1	744325	7439418
	0.1	1	743768	7440152
	0.1	1	743779	7440155
	0.1	1	743792	7440141
	0.1	1	744326	7439168
	0.1	1	743575	7440104
	0.1	1	743302	7440157
	0.1	1	744337	7439885
	0.1	1	743534	7439937
	0.1	1	744343	7439744
	0.1	1	743525	7440029
	0.1	1	743908	7439967
0.1	1	744335	7439134	
0.1	1	743794	7440167	
0.1	1	743783	7440128	
0.1	2	743531	7440094	
0.1	1	743209	7440178	
0.1	1	744221	7440158	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	743345	7440132
	0.1	1	743703	7440129
	0.1	2	744349	7439558
	0.1	1	743518	7439879
	0.1	1	743794	7440193
	0.1	1	744370	7439596
	0.1	1	743635	7440143
	0.1	1	744370	7439796
	0.1	1	743172	7440110
	0.1	1	743173	7440129
	0.1	1	744304	7439465
	0.1	1	743526	7439461
	0.1	1	744331	7439507
	0.1	1	744363	7439295
	0.1	1	744370	7439594
	0.1	1	744337	7439132
	0.1	1	744092	7440116
	0.1	1	744329	7439606
	0.1	1	743658	7440123
	0.1	1	744314	7439464
	0.1	1	744326	7439755
	0.1	1	743334	7440138
	0.1	1	744370	7439617
	0.1	1	743300	7440133
	0.1	1	744371	7439501
	0.1	2	743556	7439866
	0.1	1	744367	7439801
	0.1	1	744335	7439229
	0.1	1	744358	7439488
	0.1	1	743973	7439999
	0.1	1	744339	7439910
	0.1	1	744305	7439266
	0.1	1	744334	7439756
0.1	1	726762	7438049	
0.1	1	726773	7437841	
0.1	1	727147	7437564	
0.1	1	726709	7437888	
0.1	1	726781	7437820	
0.1	1	726765	7437592	
0.1	1	726995	7437542	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	727215	7437540
	0.1	1	727498	7437631
	0.1	1	727434	7437544
	0.1	1	737557	7440116
	0.1	1	737863	7438796
	0.1	1	727181	7437542
	0.1	1	727223	7437555
	0.1	1	726708	7437895
	0.1	1	726909	7437644
	0.1	1	726769	7437819
	0.1	1	726767	7437863
	0.1	2	726924	7437620
	0.1	1	726752	7437905
	0.1	1	726759	7437913
	0.1	1	726710	7437909
	0.1	1	726735	7437904
	0.1	1	726745	7437920
	0.1	1	726704	7437917
	0.1	1	727031	7437596
	0.1	1	726707	7437922
	0.1	1	727140	7437929
	0.1	1	726755	7437917
	0.1	1	726754	7437926
	0.1	1	726754	7437946
	0.1	1	726750	7437953
	0.1	1	726756	7437958
	0.1	1	726702	7437947
	0.1	2	727146	7437934
	0.1	1	726708	7437942
	0.1	1	726761	7438049
	0.1	1	726709	7437956
	0.1	1	726754	7438115
	0.1	1	726715	7438194
	0.1	1	726715	7437952
	0.1	1	726715	7438193
	0.1	1	726718	7438192
0.1	1	726716	7438191	
0.1	1	726716	7438157	
0.1	1	726742	7438090	
0.1	1	727123	7438082	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	726740	7438087
	0.1	1	726738	7438077
	0.1	1	726695	7438008
	0.1	1	726721	7438006
	0.1	1	726694	7438020
	0.1	1	726725	7437990
	0.1	1	726726	7437968
	0.1	1	726732	7437970
	0.1	1	726695	7438037
	0.1	1	726746	7437958
	0.1	1	726746	7437955
	0.1	1	726743	7437948
	0.1	1	727130	7438100
	0.1	1	726754	7437956
	0.1	1	726744	7437948
	0.1	1	727131	7438104
	0.1	1	727145	7438110
	0.1	1	726737	7437908
	0.1	1	726724	7437875
	0.1	1	727133	7438125
	0.1	1	726707	7437872
	0.1	1	726718	7437869
	0.1	1	727138	7438129
	0.1	1	726722	7437869
	0.1	1	726717	7437808
	0.1	1	726717	7437738
	0.1	1	726725	7437734
	0.1	1	726713	7437702
	0.1	1	727142	7438136
	0.1	1	726712	7437701
	0.1	1	726705	7438328
	0.1	1	743589	7440212
	0.1	1	743571	7440396
0.1	1	743563	7440451	
0.1	1	743567	7440451	
0.1	1	743564	7440449	
0.1	1	726777	7438095	
0.1	1	727122	7438199	
0.1	1	743553	7440544	
0.1	1	743553	7440543	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743560	7440640
	0.1	1	743561	7440626
	0.1	1	737770	7439159
	0.1	1	743558	7440659
	0.1	1	743559	7440690
	0.1	1	743581	7440719
	0.1	1	727128	7438231
	0.1	1	743575	7440722
	0.1	1	743578	7440725
	0.1	1	726782	7438051
	0.1	2	727123	7438235
	0.1	1	726781	7438049
	0.1	1	743557	7440907
	0.1	1	743580	7440918
	0.1	1	743567	7441120
	0.1	1	727144	7438252
	0.1	1	743543	7441133
	0.1	1	726784	7438025
	0.1	1	743531	7440910
	0.1	1	743526	7440909
	0.1	1	737828	7438939
	0.1	1	726782	7438025
	0.1	1	743532	7440770
	0.1	1	743526	7440713
	0.1	1	743540	7440661
	0.1	1	726779	7438028
	0.1	1	727166	7438189
	0.1	1	743530	7440611
	0.1	1	743529	7440615
	0.1	1	727002	7437565
	0.1	1	743529	7440614
	0.1	1	743533	7440605
	0.1	1	743522	7440567
0.1	2	727151	7438156	
0.1	1	743525	7440518	
0.1	1	743521	7440497	
0.1	1	743530	7440318	
0.1	1	726776	7437971	
0.1	1	727150	7438157	
0.1	1	737843	7438876	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	727153	7438126
	0.1	1	726771	7437964
	0.1	1	727158	7438125
	0.1	1	726789	7437951
	0.1	1	726778	7437918
	0.1	1	726775	7437911
	0.1	1	727148	7437939
	0.1	1	727184	7437542
	0.1	1	726698	7437871
	0.1	1	726777	7437871
	0.1	1	727138	7437836
	0.1	1	727139	7437838
	0.1	1	726776	7437854
	0.1	1	727154	7437603
	0.1	1	727125	7438123
	0.1	1	743502	7440187
	0.1	1	743526	7441108
	0.1	1	726707	7437911
	0.1	1	737851	7438909
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743509	7440904
	0.1	1	737568	7440047
	0.1	2	743601	7440742
	0.1	1	726927	7437622
	0.1	1	727156	7438128
	0.1	1	737526	7439780
	0.1	1	743505	7440185
	0.1	1	743542	7440861
	0.1	1	727107	7438010
	0.1	1	743503	7440163
	0.1	1	726714	7437861
	0.1	1	726785	7437965
	0.1	1	726702	7437936
	0.1	1	726774	7437968
	0.1	1	737587	7440010
	0.1	1	737527	7439784
	0.1	1	743589	7440716
	0.1	1	743587	7440715
	0.1	1	743555	7440732
	0.1	1	743542	7440661
	0.1	1	737867	7438856

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	726899	7437645
	0.1	1	743518	7440628
	0.1	1	737826	7439294
	0.1	1	743592	7440736
	0.1	1	737688	7439692
	0.1	1	743519	7440629
	0.1	1	726700	7437935
	0.1	1	727173	7437892
	0.1	1	727137	7437932
	0.1	1	726773	7437995
	0.1	1	743520	7440182
	0.1	1	737681	7439679
	0.1	1	726702	7437855
	0.1	1	743494	7440892
	0.1	1	743526	7440614
	0.1	1	743592	7440738
	0.1	1	737551	7439539
	0.1	1	726700	7437842
	0.1	1	727157	7438176
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743491	7440211
	0.1	1	727130	7437953
	0.1	1	737880	7438825
	0.1	1	737535	7439979
	0.1	1	743527	7440611
	0.1	1	726704	7437954
	0.1	1	743502	7440223
	0.1	1	743575	7440725
	0.1	1	743553	7441123
	0.1	1	727130	7437957
	0.1	1	726762	7437930
	0.1	1	743513	7440231
	0.1	1	743604	7440259
	0.1	1	726773	7438015
	0.1	1	726713	7437878
	0.1	1	743512	7440229
	0.1	1	743567	7440770
	0.1	1	737879	7438819
	0.1	1	727145	7438115
	0.1	1	727123	7438022
	0.1	1	743559	7441120

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743591	7441071
	0.1	1	743521	7440250
	0.1	1	726711	7437956
	0.1	1	743527	7440263
	0.1	1	743588	7440713
	0.1	1	727127	7438062
	0.1	1	743499	7440181
	0.1	1	743527	7440183
	0.1	1	737551	7439060
	0.1	2	743508	7440269
	0.1	1	737622	7440030
	0.1	1	737708	7439545
	0.1	1	727144	7438112
	0.1	1	743587	7440779
	0.1	1	743523	7440176
	0.1	1	726709	7437960
	0.1	1	726704	7437785
	0.1	1	743489	7440300
	0.1	1	737709	7439748
	0.1	1	743554	7440817
	0.1	1	727130	7438070
	0.1	2	727176	7438124
	0.1	3	743499	7440576
	0.1	1	737546	7439767
	0.1	1	743563	7441122
	0.1	1	726695	7438017
	0.1	1	737921	7438840
	0.1	1	727114	7438084
	0.1	1	727138	7438011
	0.1	1	743588	7440862
	0.1	1	727124	7438095
	0.1	1	743503	7440615
	0.1	1	726781	7438023
0.1	1	726780	7437903	
0.1	1	743580	7440604	
0.1	1	727161	7438243	
0.1	1	726705	7438097	
0.1	1	743504	7440616	
0.1	1	737631	7440030	
0.1	1	743585	7440930	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743558	7440820
	0.1	1	726713	7437882
	0.1	1	737920	7438850
	0.1	1	743589	7440807
	0.1	1	726707	7438109
	0.1	1	726779	7437891
	0.1	1	743585	7440715
	0.1	1	726705	7438122
	0.1	1	726698	7438122
	0.1	3	727121	7438283
	0.1	1	737554	7439461
	0.1	1	726695	7438158
	0.1	1	726779	7437854
	0.1	1	737745	7439424
	0.1	1	726702	7438171
	0.1	1	737682	7439778
	0.1	1	743492	7440903
	0.1	1	737576	7439784
	0.1	1	743493	7440639
	0.1	1	737560	7440016
	0.1	1	743591	7440820
	0.1	1	726695	7438177
	0.1	1	727137	7438133
	0.1	1	726708	7438184
	0.1	2	727121	7438284
	0.1	1	743576	7440596
	0.1	1	743558	7440831
	0.1	1	743492	7440902
	0.1	1	726781	7438045
	0.1	1	737634	7440023
	0.1	1	726779	7438094
	0.1	1	737736	7439539
	0.1	1	727146	7438252
0.1	1	726697	7437866	
0.1	1	743597	7440169	
0.1	1	743501	7440718	
0.1	1	743564	7440890	
0.1	1	743596	7440868	
0.1	2	726776	7437827	
0.1	1	727172	7438273	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	727119	7438183
	0.1	1	727237	7437526
	0.1	1	727149	7437479
	0.1	1	743595	7440173
	0.1	1	743566	7441118
	0.1	3	743514	7440769
	0.1	1	727119	7438205
	0.1	1	743592	7440177
	0.1	1	743517	7440783
	0.1	1	727094	7438076
	0.1	1	743579	7440449
	0.1	1	743586	7440876
	0.1	1	726788	7438062
	0.1	1	727174	7437573
	0.1	1	743498	7440796
	0.1	1	726708	7437890
	0.1	1	727136	7438219
	0.1	1	737693	7439758
	0.1	1	726780	7438053
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	726784	7438043
	0.1	1	743583	7440910
	0.1	1	743501	7440814
	0.1	1	737554	7440126
	0.1	1	737687	7439774
	0.1	1	743563	7440880
	0.1	1	727016	7437547
	0.1	1	727137	7438256
	0.1	1	726782	7438049
	0.1	1	743582	7440717
	0.1	1	727141	7438254
	0.1	1	726712	7437872
	0.1	1	743522	7441121
	0.1	1	737538	7438974
	0.1	1	737907	7438829
	0.1	1	727184	7438253
	0.1	1	743589	7440176
	0.1	1	743499	7440247
	0.1	1	743492	7440638
	0.1	1	726768	7437810
	0.1	1	737678	7439691

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	737829	7439293
	0.1	1	726706	7437859
	0.1	1	743560	7440637
	0.1	1	743583	7440812
	0.1	1	743581	7440720
	0.1	2	726694	7437868
	0.1	1	743493	7440641
	0.1	1	726721	7437891
	0.1	1	727184	7438126
	0.1	1	737826	7439294
	0.1	1	726738	7438052
	0.1	1	737547	7439429
	0.1	1	726755	7437925
	0.1	1	726764	7437675
	0.1	1	737683	7439777
	0.1	1	726982	7437637
	0.1	1	743497	7440245
	0.1	1	743580	7440929
	0.1	1	726744	7438092
	0.1	1	743505	7440186
	0.5	1	727181	7438081
	0.1	1	726757	7437920
	0.1	1	726762	7438021
	0.1	1	743565	7440657
	0.1	1	727180	7438224
	0.1	1	743508	7440612
	0.1	1	726735	7438080
	0.1	2	743581	7440720
	0.1	1	737707	7439819
	0.1	1	737530	7440003
	0.1	1	726731	7438327
	0.1	1	743591	7440177
	0.1	1	743601	7440259
	0.1	1	726760	7438010
0.1	2	737552	7438904	
0.1	1	727186	7437542	
0.1	1	726707	7437877	
0.1	1	743510	7440902	
0.1	1	726762	7438062	
0.1	1	726698	7437774	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743570	7440663
	0.1	1	737533	7440089
	0.1	1	743507	7440612
	0.1	1	737683	7439952
	0.1	3	737724	7439618
	0.1	1	727182	7437540
	0.1	1	743582	7440720
	0.1	1	726753	7437931
	0.1	1	726717	7437891
	0.1	1	737603	7439907
	0.1	1	737872	7438858
	0.1	1	726752	7437920
	0.1	1	727086	7438097
	0.1	1	737853	7438807
	0.1	1	726755	7437908
	0.1	1	737646	7439743
	0.1	1	726724	7438030
	0.1	1	743491	7440638
	0.1	1	737673	7439835
	0.1	2	737871	7438853
	0.1	1	737582	7439991
	0.1	1	737850	7438809
	0.1	1	726729	7437909
	0.1	1	726752	7437920
	0.1	1	727107	7437493
	0.1	1	727165	7437574
	0.1	1	726888	7437647
	0.1	1	726696	7437781
	0.1	1	737735	7439548
	0.1	1	726737	7437938
	0.1	1	743505	7440185
	0.1	1	726726	7438065
	0.1	1	726726	7438029
0.1	1	737692	7439578	
0.1	1	726688	7437840	
0.1	1	743587	7440395	
0.1	1	726756	7438017	
0.1	1	743500	7440837	
0.1	1	726765	7438055	
0.1	1	737562	7438918	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	726723	7437916
	0.1	1	743555	7440423
	0.1	2	737625	7440014
	0.1	1	726716	7437704
	0.1	2	743494	7440612
	0.1	1	727103	7437907
	0.1	1	726695	7437740
	0.5	3	727173	7438084
	0.1	1	727172	7438217
	0.1	1	743575	7440444
	0.1	1	726697	7437842
	0.1	1	743502	7440187
	0.1	2	727179	7438130
	0.1	1	737716	7439392
	0.1	5	727106	7437976
	0.1	1	743505	7440185
	0.1	1	737618	7440016
	0.1	1	737828	7438939
	0.1	1	743577	7440891
	0.1	1	737776	7439173
	0.1	1	743491	7440891
	0.1	1	726696	7437870
	0.1	1	726761	7438049
	0.1	1	737742	7439540
	0.1	1	743491	7440638
	0.5	3	727191	7438086
	0.1	1	726730	7438014
	0.1	1	726724	7437932
	0.1	1	743562	7440658
	0.1	1	743594	7440734
	0.1	1	743553	7440388
	0.1	1	726705	7437862
	0.1	1	743503	7440900
0.1	1	743505	7440186	
0.1	2	743491	7440638	
0.1	1	726719	7438005	
0.1	1	743599	7440768	
0.1	1	726758	7437903	
0.1	1	726767	7437963	
0.1	1	743591	7440818	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743490	7440300
	0.1	1	727098	7438072
	0.1	1	726767	7438004
	0.1	1	743495	7440207
	0.1	1	743492	7440908
	0.1	1	743492	7440903
	0.1	1	743490	7440891
	0.1	2	743493	7440802
	0.1	1	737850	7438968
	0.1	1	737522	7439936
	0.1	1	737521	7440131
	0.1	1	743574	7440722
	0.1	1	737718	7439560
	0.1	1	743576	7440815
	0.1	1	743494	7440639
	0.1	1	726712	7437697
	0.1	1	726718	7438112
	0.1	1	743595	7440738
	0.1	1	743509	7440758
	0.1	1	726750	7437898
	0.1	1	726768	7437806
	0.1	1	743511	7440182
	0.1	1	743494	7440638
	0.1	1	726755	7437926
	0.1	1	726717	7437885
	0.1	1	737841	7438982
	0.1	1	726756	7437952
	0.1	1	743554	7440546
	0.1	1	726755	7437925
	0.1	1	742535	7442484
	0.1	1	728731	7438160
	0.1	1	728740	7438058
	0.1	1	742802	7443090
	0.1	1	742743	7442896
0.1	1	742802	7443091	
0.1	1	742802	7443090	
0.1	1	742817	7443156	
0.1	1	742552	7442472	
0.1	1	728731	7438159	
0.1	1	742764	7443095	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742794	7443081
	0.1	1	742678	7442821
	0.1	1	742551	7442613
	0.1	1	742818	7443173
	0.1	1	742765	7443101
	0.1	1	742800	7443072
	0.1	1	727550	7438250
	0.1	1	742713	7442832
	0.1	1	742796	7443060
	0.1	1	742785	7443136
	0.1	1	742711	7442830
	0.1	1	742668	7442818
	0.1	2	742802	7443010
	0.1	2	728730	7438038
	0.1	1	742775	7442954
	0.1	1	742709	7442830
	0.1	1	742743	7442896
	0.1	3	728738	7438345
	0.1	3	742777	7442954
	0.1	1	742813	7443182
	0.1	1	742765	7443157
	0.1	1	742773	7442962
	0.1	1	742668	7442818
	0.1	1	742773	7442961
	0.1	1	742708	7442829
	0.1	1	742821	7443210
	0.1	1	728751	7438226
	0.1	1	742782	7443171
	0.1	2	728352	7438103
	0.1	1	742673	7442818
	0.1	1	742546	7442620
	0.1	1	742828	7443263
	0.1	1	742710	7442834
	0.1	3	728755	7438152
	0.1	1	728733	7437998
	0.1	1	742777	7442941
0.1	1	742667	7442818	
0.1	1	742780	7443055	
0.1	1	737140	7443907	
0.1	1	742699	7442824	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	742768	7442940
	0.1	1	748469	7441972
	0.1	1	742767	7442939
	0.1	1	742767	7442940
	0.1	1	742624	7442751
	0.1	1	737149	7443884
	0.1	2	728725	7437987
	0.1	1	742771	7442916
	0.1	1	742771	7442915
	0.1	1	742780	7443055
	0.1	1	748450	7441949
	0.1	1	728746	7438031
	0.1	1	742752	7442876
	0.1	1	742596	7442750
	0.1	1	737167	7442924
	0.1	1	748446	7441952
	0.1	1	737184	7442860
	0.1	1	742625	7442688
	0.1	1	728721	7437853
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	728749	7438031
	0.1	1	742755	7442936
	0.1	1	737305	7442603
	0.1	1	742714	7442797
	0.1	1	742625	7442687
	0.1	1	742540	7442608
	0.1	1	742606	7442744
	0.1	1	728752	7438033
	0.1	1	727564	7437955
	0.1	1	742606	7442756
	0.1	1	742695	7442774
	0.1	1	742606	7442744
	0.1	1	728748	7438032
	0.1	1	737116	7443510
	0.1	1	742684	7442763
	0.1	1	728753	7438012
	0.1	1	742581	7442716
	0.1	1	742665	7442725
	0.1	1	742542	7442609
	0.1	1	737130	7443757
	0.1	1	742584	7442628

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742587	7442689
	0.1	1	742530	7442488
	0.1	1	737130	7443756
	0.1	1	742582	7442693
	0.1	1	737129	7443837
	0.1	1	737121	7443839
	0.1	1	728752	7438008
	0.1	1	737124	7443849
	0.1	1	742645	7442699
	0.1	1	742547	7442470
	0.1	1	742644	7442698
	0.1	1	742729	7442866
	0.1	2	742578	7442623
	0.1	1	737131	7443847
	0.1	1	742644	7442696
	0.1	1	742566	7442622
	0.1	1	742579	7442620
	0.1	1	737134	7443850
	0.1	1	742537	7442487
	0.1	2	742644	7442677
	0.1	1	742583	7442672
	0.1	1	742646	7442674
	0.1	1	737130	7443891
	0.1	1	728764	7437970
	0.1	1	742751	7442944
	0.1	1	737128	7444134
	0.1	1	737117	7444193
	0.1	1	742616	7442640
	0.1	1	742567	7442659
	0.1	1	742613	7442628
	0.1	1	742609	7442614
	0.1	1	742546	7442469
	0.1	1	742612	7442614
	0.1	1	742563	7442659
	0.1	1	742583	7442619
	0.1	1	742576	7442538
0.1	1	742746	7442944	
0.1	1	742545	7442470	
0.1	1	742576	7442533	
0.1	2	742576	7442533	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742542	7442608
	0.1	1	742564	7442532
	0.1	1	742561	7442528
	0.1	1	742566	7442626
	0.1	1	728358	7438056
	0.1	1	742752	7442943
	0.1	1	742544	7442515
	0.1	1	742526	7442484
	0.1	1	742526	7442487
	0.1	1	742545	7442516
	0.1	1	742562	7442494
	0.1	2	742529	7442487
	0.1	1	742561	7442492
	0.1	1	742549	7442511
	0.1	1	742522	7442479
	0.1	1	742560	7442490
	0.1	1	742554	7442618
	0.1	1	742561	7442490
	0.1	1	742540	7442471
	0.1	1	742527	7442480
	0.1	1	742537	7442510
	0.1	1	742556	7442489
	0.1	1	742553	7442490
	0.1	1	742524	7442486
	0.1	1	742523	7442480
	0.1	1	742548	7442474
	0.1	2	742547	7442475
	0.1	1	742528	7442484
	0.1	1	742551	7442471
	0.1	1	742557	7442620
	0.1	1	742552	7442472
	0.1	1	742734	7442886
	0.1	2	728718	7438078
	0.1	1	742805	7443119
	0.1	1	742752	7443060
	0.1	1	742799	7443116
0.1	1	742758	7443064	
0.1	1	742734	7442956	
0.1	1	727576	7438138	
0.1	1	742798	7443111	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742733	7442882
	0.1	1	742734	7442896
	0.1	1	742756	7443078
	0.1	1	742797	7443107
	0.1	1	742684	7442818
	0.1	1	742532	7442492
	0.1	1	742731	7442878
	0.1	1	742812	7443103
	0.1	1	742751	7443066
	0.1	1	742820	7443149
	0.1	1	742752	7443067
	0.1	1	742677	7442823
	0.1	1	742810	7443104
	0.1	1	742806	7443102
	0.1	1	742815	7443158
	0.1	1	742588	7442579
	0.1	1	742848	7443137
	0.1	1	727971	7438290
	0.1	1	742579	7442620
	0.1	1	728350	7438154
	0.1	1	742636	7442665
	0.1	1	742793	7443165
	0.1	1	727920	7438160
	0.1	2	742527	7442487
	0.1	1	742740	7442895
	0.1	1	742644	7442701
	0.1	1	728312	7438204
	0.1	1	728380	7438158
	0.1	1	728372	7438260
	0.1	1	728752	7438039
	0.1	1	742796	7443161
	0.1	1	742652	7442743
	0.1	1	742646	7442671
	0.1	1	742530	7442565
0.1	1	742580	7442618	
0.1	1	742819	7443023	
0.1	1	742730	7442867	
0.1	3	728748	7437931	
0.1	1	737092	7443475	
0.1	1	742839	7443105	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742798	7443172
	0.1	1	728707	7438274
	0.1	1	728355	7438282
	0.1	1	742576	7442470
	0.1	1	737192	7442748
	0.1	1	728739	7438322
	0.1	1	728716	7438098
	0.1	1	742837	7443109
	0.1	1	727961	7438182
	0.1	1	742613	7442515
	0.1	2	742576	7442619
	0.1	1	728354	7438051
	0.1	1	728382	7438128
	0.1	1	728705	7437558
	0.1	1	728316	7438179
	0.1	1	727521	7438225
	0.1	4	727982	7438173
	0.1	1	742786	7443182
	0.1	1	742532	7442481
	0.1	1	737202	7442712
	0.1	1	742850	7443165
	0.1	1	728347	7438154
	0.1	1	728700	7438030
	0.1	1	742583	7442481
	0.1	1	727521	7438303
	0.1	1	728734	7438233
	0.1	1	742808	7443213
	0.1	1	737123	7443849
	0.1	1	728344	7438055
	0.1	1	742744	7442887
	0.1	1	742779	7443101
	0.1	1	737097	7443760
	0.1	1	742534	7442493
0.1	1	742580	7442599	
0.1	1	742529	7442575	
0.1	1	742780	7443055	
0.1	2	727967	7438182	
0.1	1	742575	7442600	
0.1	1	742639	7442603	
0.1	2	742781	7443102	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742572	7442528
	0.1	1	737203	7442711
	0.1	1	727528	7438174
	0.1	1	742614	7442676
	0.1	1	728389	7438054
	0.1	1	728335	7438150
	0.1	1	742540	7442609
	0.1	1	728353	7438327
	0.1	1	727547	7438262
	0.1	1	728361	7438059
	0.1	1	742780	7443090
	0.1	1	742616	7442640
	0.1	1	742749	7442949
	0.1	1	742522	7442493
	0.1	1	742594	7442632
	0.1	1	742822	7443072
	0.1	1	737106	7443842
	0.1	2	727973	7438177
	0.1	1	728704	7438013
	0.1	1	742808	7442937
	0.1	1	742814	7443063
	0.1	5	727909	7438180
	0.1	1	742526	7442477
	0.1	1	742825	7443077
	0.1	1	737098	7443760
	0.1	1	742620	7442589
	0.1	1	742782	7443114
	0.1	1	728331	7438149
	0.1	1	742592	7442475
	0.1	1	728293	7438122
	0.1	1	742752	7442940
	0.1	1	742524	7442481
	0.1	1	728327	7438149
	0.1	1	728694	7438025
	0.1	1	742838	7443108
	0.1	3	728365	7438221
0.1	1	737098	7443760	
0.1	1	728766	7438084	
0.1	1	727918	7438151	
0.1	1	742817	7443011	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	728383	7438158
	0.1	1	742522	7442495
	0.1	1	742522	7442482
	0.1	1	728729	7437851
	0.1	1	737176	7443450
	0.1	1	742563	7442527
	0.1	1	728760	7438189
	0.1	1	742820	7442959
	0.1	2	728361	7438218
	0.1	1	742836	7443173
	0.1	1	742573	7442517
	0.1	1	742781	7443110
	0.1	1	737127	7443849
	0.1	1	728324	7438145
	0.1	1	728703	7438022
	0.1	1	727524	7438218
	0.1	1	742536	7442470
	0.1	1	728756	7438066
	0.1	1	727941	7438162
	0.1	1	742575	7442507
	0.1	1	742851	7443125
	0.1	1	742842	7443124
	0.1	1	728298	7438241
	0.1	1	737172	7443448
	0.1	1	737287	7442518
	0.1	1	727928	7438083
	0.1	1	728710	7438036
	0.1	1	742539	7442511
	0.1	1	742545	7442470
	0.1	1	737090	7443455
	0.1	1	728734	7438101
	0.1	1	737174	7442748
	0.1	1	728752	7438008
	0.1	2	728332	7438336
0.1	1	728327	7438119	
0.1	1	742536	7442512	
0.1	1	742847	7443144	
0.1	1	742816	7443061	
0.1	1	742581	7442627	
0.1	1	728772	7438122	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	742520	7442497
	0.1	1	742805	7442986
	0.1	1	728777	7437903
	0.1	1	728295	7438212
	0.1	1	742538	7442504
	0.1	1	728718	7438078
	0.1	1	728326	7438280
	0.1	1	742751	7442936
	0.1	1	742779	7443077
	0.1	1	742666	7442750
	0.1	1	737176	7442748
	0.1	1	728325	7438046
	0.1	1	742839	7443194
	0.1	1	727941	7438162
	0.1	1	727518	7438031
	0.1	1	742777	7443098
	0.1	1	737209	7442899
	0.1	1	742645	7442703
	0.1	1	728379	7438158
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742539	7442486
	0.1	1	742550	7442472
	0.1	1	737135	7443854
	0.1	1	728953	7437287
	0.1	1	742523	7442520
	0.1	1	742797	7442940
	0.1	1	742595	7442583
	0.1	3	728773	7438121
	0.1	1	742809	7442966
	0.1	1	742839	7443111
	0.1	1	737220	7442865
	0.1	1	742520	7442493
	0.1	1	728304	7438165
	0.1	1	742586	7442483
	0.1	4	728344	7438247
	0.1	1	728990	7437269
	0.1	1	742706	7442833
	0.1	1	742565	7442509
	0.1	1	737095	7442979
	0.1	1	742799	7443148
	0.1	1	742562	7442504

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	742784	7443080
	0.1	1	737236	7442854
	0.1	1	742538	7442487
	0.1	1	742841	7443191
	0.1	1	748447	7441956
	0.1	1	728327	7438232
	0.1	1	742520	7442493
	0.1	1	729031	7437288
	0.1	1	742554	7442500
	0.1	1	742846	7443187
	0.1	1	728760	7438067
	1.0	2	727980	7438084
	0.1	1	728380	7437674
	0.1	1	737279	7442751
	0.1	1	742790	7443144
	0.1	3	728749	7437977
	0.1	1	742516	7442515
	0.1	1	748462	7441960
	0.1	1	742546	7442482
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742651	7442744
	0.1	1	728773	7438013
	0.1	1	728326	7438231
	0.1	1	742778	7443097
	0.1	1	728359	7438060
	0.1	1	742785	7443166
	0.1	1	737363	7442545
	0.1	1	742559	7442490
	0.1	1	728787	7438043
	0.1	1	742813	7442994
	0.1	1	728311	7437619
	0.1	3	729016	7437332
	0.1	1	742853	7443190
	0.1	1	742561	7442487
	0.1	1	742560	7442490
	0.1	1	737325	7442618
	0.1	2	728749	7437977
	0.1	1	742804	7442931
	0.1	1	728712	7438118
	0.1	1	742523	7442506
	0.1	2	728369	7438161

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729055	7437316
	0.1	1	727940	7438155
	0.1	1	727922	7438165
	0.1	1	742678	7442824
	0.1	1	742836	7443132
	0.1	1	737117	7443509
	0.1	1	742768	7443139
	0.1	1	727520	7438155
	0.1	1	742777	7442951
	0.1	1	742601	7442490
	0.1	1	737481	7442303
	0.1	2	727908	7438325
	0.1	1	727957	7438337
	0.1	1	742782	7443054
	0.1	1	727953	7438109
	0.1	1	737103	7442916
	0.1	1	742602	7442486
	0.1	1	742557	7442621
	0.1	1	742857	7443190
	0.1	1	737203	7442807
	0.1	1	742810	7443104
	0.1	1	742726	7442823
	0.1	1	737109	7442938
	0.1	1	742769	7442951
	0.1	2	728361	7438233
	0.1	1	742621	7442586
	0.1	1	742784	7443096
	0.1	1	742784	7443079
	0.1	1	742845	7443138
	0.1	1	742792	7443138
	0.1	1	728368	7438176
	0.1	1	737363	7442543
	0.1	1	742852	7443190
	0.1	1	742797	7443115
0.1	1	742759	7443171	
0.1	1	742566	7442627	
0.1	1	729071	7437320	
0.1	1	742648	7442703	
0.1	1	737278	7442722	
0.1	2	729048	7437297	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742764	7443092
	0.1	1	727918	7438151
	0.1	2	728700	7438100
	0.1	1	727900	7438116
	0.1	1	742518	7442495
	0.1	1	742683	7442816
	0.1	1	742795	7443131
	0.1	1	742777	7442942
	0.1	1	728380	7438162
	0.1	1	748446	7441956
	0.1	1	742806	7443137
	0.1	2	737216	7442847
	0.1	1	742580	7442688
	0.1	1	729033	7437294
	0.1	1	742532	7442560
	0.1	1	727928	7438087
	0.1	1	742777	7443093
	0.1	1	728371	7438190
	0.1	1	742762	7443176
	0.1	1	742774	7442943
	0.1	1	748444	7441941
	0.1	1	742672	7442814
	0.1	1	742841	7443120
	0.1	1	742784	7443113
	0.1	1	742796	7442940
	0.1	1	742586	7442480
	0.1	2	728384	7438169
	0.1	1	737093	7443738
	0.1	1	737205	7442798
	0.1	1	742723	7442816
	0.1	1	742556	7442612
	0.1	1	742839	7443111
	0.1	1	742767	7442940
	0.1	1	737211	7442881
	0.1	3	728369	7438212
	0.1	1	728331	7437923
0.1	1	742820	7443172	
0.1	1	728329	7438342	
0.1	1	742531	7442561	
0.1	1	742801	7443013	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742756	7443095
	0.1	1	737191	7442911
	0.1	1	742834	7443084
	0.1	1	728998	7437268
	0.1	1	728370	7438217
	0.1	1	737162	7443870
	0.1	1	742804	7442936
	0.1	1	742520	7442549
	0.1	1	727924	7438019
	0.1	1	742581	7442475
	0.1	1	742595	7442720
	0.1	1	737180	7442986
	0.1	1	728368	7438214
	0.1	2	728705	7438015
	0.1	1	737163	7443871
	0.1	1	727909	7438169
	0.1	2	727539	7438264
	0.1	1	728332	7438126
	0.1	1	742842	7443110
	0.1	2	728383	7438218
	0.1	1	742631	7442594
	0.1	1	742780	7443087
	0.1	1	742572	7442629
	0.1	1	737173	7443446
	0.1	1	742553	7442618
	0.1	1	728360	7438349
	0.1	1	742783	7443111
	0.1	1	742781	7443128
	0.1	1	742565	7442665
	0.1	1	737163	7443864
	0.1	1	742772	7442941
	0.1	1	742758	7443074
	0.1	1	742657	7442716
	0.1	1	728317	7438150
0.1	1	737176	7443450	
0.1	1	729060	7437336	
0.1	1	728711	7438038	
0.1	1	742602	7442745	
0.1	1	742839	7443105	
0.1	1	742766	7443090	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742781	7442868
	0.1	1	742750	7443065
	0.1	1	742573	7442469
	0.1	1	742776	7442923
	0.1	1	742803	7443098
	0.1	1	742695	7442772
	0.1	1	742807	7442992
	0.1	1	737168	7443861
	0.1	1	728382	7438215
	0.1	1	742839	7443105
	0.1	1	728358	7438157
	0.1	1	728354	7438348
	0.1	1	742797	7443113
	0.1	1	737147	7443238
	0.1	1	742764	7442925
	0.1	1	737172	7443939
	0.1	1	742539	7442605
	0.1	1	728332	7438152
	0.1	1	737100	7443820
	0.1	4	727910	7438320
	0.1	1	742812	7443130
	0.1	1	742816	7442962
	0.1	1	742750	7443066
	0.1	1	728388	7438229
	0.1	1	742825	7443074
	0.1	1	727520	7438263
	0.1	1	737137	7443197
	0.1	1	727909	7438184
	0.1	1	728328	7438164
	0.1	1	728349	7438153
	0.1	1	737109	7443831
	0.1	1	737178	7442851
	0.1	1	742802	7443211
0.1	1	742822	7443076	
0.1	1	728359	7438321	
0.1	1	737136	7443015	
0.1	1	737475	7442232	
0.1	1	742798	7443073	
0.1	1	728317	7438149	
0.1	1	742765	7443095	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	728374	7438296
	0.1	1	742695	7442774
	0.1	1	728317	7438169
	0.1	1	742515	7442491
	0.1	1	742711	7442768
	0.1	1	748468	7441991
	0.1	1	742615	7442748
	0.1	1	727517	7438022
	0.1	1	742553	7442618
	0.1	1	737155	7442953
	0.1	1	728710	7438035
	0.1	1	742772	7442904
	0.1	1	742784	7443181
	0.1	1	728310	7438185
	0.1	1	737357	7442422
	0.1	1	742566	7442632
	0.1	1	737100	7444042
	0.1	1	742662	7442688
	0.1	1	742802	7442945
	0.1	1	728368	7438247
	0.1	1	742839	7443222
	0.1	1	727519	7438182
	0.1	1	742669	7442819
	0.1	1	742713	7442771
	0.1	1	742830	7443102
	0.1	1	742800	7443110
	0.1	1	742542	7442613
	0.1	1	737155	7442953
	0.1	1	742755	7442898
	0.1	1	742777	7443055
	0.1	1	742559	7442659
	0.1	1	728319	7438188
	0.1	1	742752	7443067
	0.1	1	727516	7437995
0.1	1	742778	7443099	
0.1	1	742710	7442886	
0.1	1	728366	7438200	
0.1	2	727564	7438220	
0.1	2	742812	7443167	
0.1	1	728310	7438195	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	742693	7442774
	0.1	1	742835	7443087
	0.1	1	737154	7442952
	0.1	1	742809	7443123
	0.1	1	742810	7442966
	0.1	1	728322	7438226
	0.1	2	728780	7438059
	0.1	1	742753	7442873
	0.1	1	728302	7438149
	0.1	1	727519	7438175
	0.1	1	737434	7442248
	0.1	3	742796	7443086
	0.1	1	742546	7442609
	0.1	1	742760	7443098
	0.1	1	742781	7443101
	0.1	1	728356	7438305
	0.1	1	742549	7442621
	0.1	1	742650	7442702
	0.1	1	728723	7437853
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742837	7443080
	0.1	1	742695	7442774
	0.1	2	728779	7438228
	0.1	1	742724	7442824
	0.1	1	742813	7442953
	0.1	1	728757	7438192
	1.0	6	727966	7438163
	0.1	1	742829	7443262
	0.1	1	742658	7442793
	0.1	1	742780	7442870
	0.1	1	737275	7442650
	0.1	1	728373	7438143
	0.1	1	727940	7438230
	0.1	1	742600	7442513
	0.1	1	742849	7443158
	0.1	1	737120	7443517
	0.1	1	742559	7442657
	0.1	1	742766	7443169
	0.1	1	728404	7438115
	0.1	1	742826	7443045
	0.1	1	742859	7443153

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	742831	7443055
	0.1	1	742774	7442962
	0.1	1	742778	7443098
	0.1	1	737176	7442748
	0.1	1	728694	7438047
	0.1	1	742601	7442515
	0.1	1	742758	7443074
	0.1	1	728695	7438061
	0.1	1	742778	7443101
	0.1	4	727934	7438176
	0.1	1	742855	7443158
	0.1	1	742852	7443168
	0.1	1	742658	7442715
	0.1	1	742800	7442940
	0.1	1	742683	7442817
	0.1	1	742779	7443175
	0.1	1	742775	7442961
	0.1	1	727956	7438180
	0.1	1	728326	7438232
	0.1	1	737204	7442700
	0.1	1	742532	7442575
	0.1	1	742811	7442954
	0.1	1	742844	7443189
	0.1	1	742756	7443071
	0.1	1	742806	7443143
	1.0	8	727964	7438153
	0.1	2	728338	7438148
	0.1	1	742598	7442496
	0.1	1	727930	7438175
	0.1	1	742580	7442677
	0.1	1	742780	7443078
	0.1	1	728373	7438162
	0.1	1	742780	7443175
	0.1	1	728377	7438031
0.1	1	742776	7442955	
0.1	1	742824	7443036	
0.1	1	742591	7442482	
0.1	1	742593	7442511	
0.1	1	737297	7442511	
0.1	1	744730	7439774	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744733	7439788
	0.1	1	744510	7439731
	0.1	1	744730	7439827
	0.1	1	744770	7439789
	0.1	1	744688	7439666
	0.1	1	744515	7439730
	0.1	1	744723	7439827
	0.1	1	744441	7439739
	0.1	1	744515	7439725
	0.1	1	744725	7439836
	0.1	1	744400	7440440
	0.1	1	744721	7439847
	0.1	1	744431	7439744
	0.1	1	744782	7439805
	0.1	1	744511	7439740
	0.1	1	744775	7439814
	0.1	1	744510	7439735
	0.1	1	729183	7437316
	0.1	1	744512	7439734
	0.1	1	744778	7439887
	0.1	1	744745	7439825
	0.1	1	744770	7439888
	0.1	1	744510	7439731
	0.1	1	744499	7439725
	0.1	1	744768	7439829
	0.1	1	744495	7439743
	0.1	1	744765	7439872
	0.1	1	744490	7439743
	0.1	1	737956	7441450
	0.1	1	744765	7439872
	0.1	1	729429	7437135
	0.1	1	744658	7439667
	0.1	1	737978	7441520
	0.1	2	729433	7437144
	0.1	1	744551	7439709
	0.1	1	729327	7437237
0.1	1	744696	7439672	
0.1	1	737897	7441476	
0.1	1	744623	7439686	
0.1	1	729362	7437230	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744699	7439670
	0.1	1	729346	7437233
	0.1	1	737907	7441413
	0.1	1	729402	7437192
	0.1	1	744522	7439718
	0.1	1	744703	7439669
	0.1	1	744713	7439844
	0.1	1	744620	7439689
	0.1	1	744518	7439728
	0.1	2	729406	7437219
	0.1	1	729397	7437186
	0.1	1	744517	7439728
	0.1	1	729414	7437204
	0.1	2	744714	7439659
	0.1	2	744713	7439661
	0.1	1	729352	7437211
	0.1	1	744507	7439727
	0.1	1	744510	7439721
	0.1	1	744591	7439684
	0.1	1	729358	7437214
	0.1	1	729431	7437176
	0.1	1	744390	7440441
	0.1	1	744489	7439726
	0.1	1	744842	7439667
	0.1	1	744562	7439689
	0.1	1	729358	7437224
	0.1	1	729452	7437185
	0.1	1	744850	7439664
	0.1	1	744564	7439694
	0.1	1	744714	7439844
	0.1	1	729383	7437141
	0.1	1	744867	7439661
	0.1	1	729395	7437126
	0.1	1	744865	7439658
	0.1	1	729387	7437132
	0.1	1	744487	7439692
0.1	2	729358	7437135	
0.1	1	744935	7439659	
0.1	1	744484	7439696	
0.1	1	744482	7439700	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744954	7439662
	0.1	1	729919	7437531
	0.1	1	729956	7438150
	0.1	2	744479	7439701
	0.1	1	744515	7439666
	0.1	1	744961	7439650
	0.1	1	729914	7437677
	0.1	1	744480	7439715
	0.1	1	744473	7439706
	0.1	1	744384	7440434
	0.1	1	729586	7437878
	0.1	2	744512	7439672
	0.1	1	729920	7437682
	0.1	1	729579	7438124
	0.1	1	744984	7439661
	0.1	2	729154	7437244
	0.1	1	744984	7439664
	0.1	2	744512	7439672
	0.1	1	744433	7439718
	0.1	1	744984	7439660
	0.1	1	744662	7439711
	0.1	1	729970	7438225
	0.1	1	744419	7439713
	0.1	1	729931	7437947
	0.1	1	744419	7439713
	0.1	1	744481	7439680
	0.1	1	744418	7439711
	0.1	1	745029	7439654
	0.1	1	744478	7439682
	0.1	1	729497	7438319
	0.1	1	745070	7439668
	0.1	1	744478	7439682
	0.1	1	745071	7439668
	0.1	1	744656	7439706
	0.1	1	744476	7439686
	0.1	1	729507	7438249
0.1	1	729505	7438242	
0.1	2	729508	7438222	
0.1	1	745816	7439653	
0.1	2	729499	7438207	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729494	7438122
	0.1	1	745849	7439657
	0.1	1	744477	7439691
	0.1	2	729919	7438130
	0.1	1	745848	7439655
	0.1	1	744697	7439638
	0.1	1	737923	7441519
	0.1	2	729491	7437941
	0.1	1	745856	7439650
	0.1	1	744371	7440228
	0.1	1	744715	7439568
	0.1	2	729929	7438193
	0.1	1	744382	7440361
	0.1	1	744351	7440355
	0.1	1	729912	7438243
	0.1	4	729513	7437916
	0.1	1	744657	7439711
	0.1	1	744735	7439564
	0.1	1	744695	7439797
	0.1	1	729509	7437822
	0.1	1	744373	7440460
	0.1	1	744734	7439569
	0.1	1	729507	7437794
	0.1	1	744349	7440485
	0.1	1	745963	7439668
	0.1	1	744733	7439568
	0.1	3	729900	7438316
	0.1	1	744359	7440497
	0.1	1	729511	7437770
	0.1	1	745979	7439650
	0.1	1	744370	7440495
	0.1	1	729179	7437904
	0.1	1	745979	7439656
	0.1	1	744736	7439573
0.1	1	744360	7440494	
0.1	1	729169	7437927	
0.1	1	745989	7439657	
0.1	1	729934	7438271	
0.1	1	729910	7438326	
0.1	1	744689	7439783	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729172	7438235
	0.1	1	745975	7439741
	0.1	1	744376	7440621
	0.1	1	745967	7439741
	0.1	1	744740	7439575
	0.1	1	744375	7440627
	0.1	2	729119	7438184
	0.1	1	744372	7440626
	0.1	1	729088	7438217
	0.1	1	745926	7439743
	0.1	1	744373	7440345
	0.1	1	744372	7440626
	0.1	2	729104	7438188
	0.1	1	744374	7440625
	0.1	1	729949	7437828
	0.1	1	729100	7438192
	0.1	1	744653	7439666
	0.1	1	744350	7440647
	0.1	1	745927	7439740
	0.1	2	744355	7440661
	0.1	1	729094	7438090
	0.1	1	744746	7439577
	0.1	1	744357	7440657
	0.1	1	729097	7438022
	0.1	1	744740	7439569
	0.1	1	729949	7437478
	0.1	1	729111	7437984
	0.1	1	745885	7439733
	0.1	1	744696	7439779
	0.1	1	744752	7439565
	0.1	1	744357	7440685
	0.1	1	729114	7437940
	0.1	1	745874	7439748
0.1	1	744371	7440694	
0.1	2	729106	7437925	
0.1	1	744750	7439559	
0.1	1	745875	7439741	
0.1	1	744366	7440760	
0.1	1	745881	7439731	
0.1	1	744749	7439559	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	729112	7437910
	0.1	1	745882	7439734
	0.1	2	744371	7440768
	0.1	1	745845	7439728
	0.1	1	744366	7440773
	0.1	1	729106	7437829
	0.1	1	729893	7438301
	0.1	1	729106	7437831
	0.1	1	744749	7439555
	0.1	1	729106	7437826
	0.1	1	745090	7439723
	0.1	1	744752	7439555
	0.1	1	729091	7437822
	0.1	1	729091	7437822
	0.1	5	729118	7437547
	0.1	1	745010	7439744
	0.1	1	744737	7439574
	0.1	1	744361	7440781
	0.1	1	744734	7439559
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744608	7439699
	0.1	1	744359	7440842
	0.1	1	744999	7439731
	0.1	1	744329	7440790
	0.1	1	744924	7439732
	0.1	1	729899	7438262
	0.1	1	744920	7439738
	0.1	1	744700	7439754
	0.1	1	744326	7440730
	0.1	1	744346	7440716
	0.1	1	744894	7439729
	0.1	1	744822	7439720
	0.1	1	744766	7439578
	0.1	1	744651	7439666
	0.1	1	744329	7440702
	0.1	1	744769	7439579
	0.1	1	744317	7440697
	0.1	1	729361	7437185
	0.1	1	744628	7439728
	0.1	1	744628	7439727
	0.1	1	744624	7439731

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744612	7439735
	0.1	1	744335	7440684
	0.1	1	744609	7439738
	0.1	1	744334	7440660
	0.1	1	744609	7439722
	0.1	2	744777	7439591
	0.1	1	744609	7439695
	0.1	1	744578	7439740
	0.1	1	744313	7440607
	0.1	1	744778	7439602
	0.1	1	744685	7439665
	0.1	1	744579	7439733
	0.1	1	744570	7439731
	0.1	1	744337	7440498
	0.1	1	744348	7440497
	0.1	1	744566	7439737
	0.1	1	744306	7440492
	0.1	1	744551	7439734
	0.1	1	744542	7439730
	0.1	1	744330	7440485
	0.1	1	744335	7440486
	0.1	1	744787	7439629
	0.1	1	729894	7437998
	0.1	1	744542	7439731
	0.1	1	744302	7440405
	0.1	1	744544	7439733
	0.1	1	744788	7439637
	0.1	1	744335	7440386
	0.1	1	744547	7439731
	0.1	1	744550	7439730
	0.1	1	744332	7440370
	0.1	1	744548	7439734
	0.1	1	744334	7440366
0.1	1	744687	7439665	
0.1	1	744764	7439589	
0.1	1	744501	7439662	
0.1	1	744739	7439588	
0.1	1	744452	7439656	
0.1	1	744530	7439723	
0.1	1	744742	7439591	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744448	7439659
	0.1	1	744530	7439728
	0.1	1	744433	7439661
	0.1	1	744528	7439732
	0.1	2	744436	7439655
	0.1	1	744526	7439728
	0.1	1	744434	7439656
	0.1	1	744526	7439728
	0.1	1	744767	7439777
	0.1	1	744525	7439733
	0.1	1	744771	7439778
	0.1	1	744421	7439662
	0.1	1	744417	7439659
	0.1	1	744776	7439781
	0.1	1	744593	7439705
	0.1	1	744762	7439790
	0.1	1	744417	7439661
	0.1	1	744516	7439735
	0.1	1	729890	7437478
	0.1	1	744428	7439738
	0.1	1	744439	7439689
	0.1	1	744768	7439775
	0.1	1	744664	7439662
	0.1	1	745901	7439678
	0.1	1	744490	7439742
	0.1	1	744402	7440448
	0.1	1	744394	7440627
	0.1	1	729549	7438076
	0.1	1	744880	7439718
	0.1	1	744863	7439673
	0.1	1	744396	7440628
	0.1	1	744755	7439565
	0.1	1	744656	7439664
	0.1	1	744730	7439910
	0.1	2	744644	7439664
	0.1	1	745999	7439701
0.1	1	745956	7439717	
0.1	1	744784	7439787	
0.1	2	744478	7439688	
0.1	1	729127	7438198	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729924	7438119
	0.1	1	744795	7439613
	0.1	1	744734	7439893
	0.1	1	744279	7440339
	0.1	1	744729	7439831
	0.1	1	745853	7439692
	0.1	1	745994	7439678
	0.1	1	744286	7440681
	0.1	1	744283	7440681
	0.1	1	729917	7438130
	0.1	1	729157	7437864
	0.1	1	744773	7439622
	0.1	1	744992	7439701
	0.1	1	744642	7439663
	0.1	1	744729	7439582
	0.1	1	744774	7439576
	0.1	1	744779	7439635
	0.1	1	729938	7438258
	0.1	1	744969	7439721
	0.1	1	744796	7439868
	0.1	1	729960	7437624
	0.1	1	744723	7439827
	0.1	2	744643	7439668
	0.1	1	744399	7440496
	0.1	1	744686	7439684
	0.1	1	745967	7439700
	0.1	1	744517	7439725
	0.1	2	729553	7437725
	0.1	1	744514	7439744
	0.1	1	744693	7439681
	0.1	1	745976	7439679
	0.1	1	744396	7440490
	0.1	1	744637	7439662
	0.1	1	744688	7439700
0.1	1	744457	7439738	
0.1	1	744727	7439826	
0.1	1	729917	7438276	
0.1	1	744453	7439742	
0.1	1	744778	7439850	
0.1	1	729553	7437773	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745876	7439710
	0.1	1	729149	7437459
	0.1	1	744488	7439723
	0.1	1	744394	7440496
	0.1	1	744644	7439666
	0.1	1	744708	7439896
	0.1	1	744461	7439731
	0.1	1	745889	7439703
	0.1	1	744665	7439690
	0.1	1	729148	7437438
	0.1	1	744774	7439866
	0.1	1	744704	7439683
	0.1	1	745865	7439712
	0.1	1	744381	7440495
	0.1	1	744515	7439730
	0.1	1	744652	7439665
	0.1	1	744449	7439742
	0.1	1	744701	7439687
	0.1	1	744384	7440633
	0.1	1	744732	7439790
	0.1	1	744776	7439584
	0.1	1	744381	7440472
	0.1	1	744492	7439725
	0.1	1	744701	7439687
	0.1	1	744703	7439884
	0.1	1	744773	7439589
	0.1	1	744515	7439726
	0.1	1	744766	7439868
	0.1	1	744895	7439729
	0.1	1	744656	7439664
	0.1	1	744645	7439664
	0.1	1	745889	7439703
	0.1	1	744701	7439680
	0.1	1	745776	7439715
	0.1	2	744384	7440637
	0.1	1	729156	7437402
0.1	1	729151	7437350	
0.1	1	744647	7439664	
0.1	1	744715	7439873	
0.1	2	729562	7438080	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744869	7439677
	0.1	1	744509	7439728
	0.1	1	744659	7439667
	0.1	1	729149	7437312
	0.1	1	744733	7439875
	0.1	1	744762	7439798
	0.1	1	744386	7440645
	0.1	1	744295	7440526
	0.1	1	744657	7439671
	0.1	1	729558	7438089
	0.1	1	744655	7439666
	0.1	1	729291	7437187
	0.1	1	744586	7439656
	0.1	1	729315	7437185
	0.1	1	744649	7439663
	0.1	1	745905	7439717
	0.1	1	744315	7440673
	0.1	1	744789	7439912
	0.1	1	744433	7439737
	0.1	1	744665	7439661
	0.1	1	744394	7440692
	0.1	1	737973	7441379
	0.1	1	744773	7439787
	0.1	1	744652	7439666
	0.1	1	744433	7439737
	0.1	1	729913	7438321
	0.1	1	729326	7437191
	0.1	1	737986	7441418
	0.1	1	729559	7438191
	0.1	1	744754	7439877
	0.1	1	744295	7440605
	0.1	1	744396	7440756
	0.1	1	744787	7439731
0.1	1	744497	7439724	
0.1	1	744893	7439722	
0.1	1	737976	7441415	
0.1	1	729141	7437631	
0.1	1	729556	7438185	
0.1	1	744753	7439879	
0.1	1	745060	7439710	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744897	7439695
	0.1	1	744649	7439665
	0.1	1	744766	7439887
	0.1	1	744379	7440808
	0.1	1	729395	7437143
	0.1	1	744296	7440509
	0.1	1	744648	7439665
	0.1	1	744514	7439745
	0.1	1	744633	7439705
	0.1	1	745975	7439674
	0.1	1	729410	7437201
	0.1	1	744413	7439736
	0.1	1	744926	7439703
	0.1	1	729555	7438331
	0.1	1	744875	7439715
	0.1	1	729546	7438320
	0.1	1	744907	7439680
	0.1	1	744391	7440807
	0.1	1	744663	7439653
	0.1	1	744622	7439684
	0.1	1	729529	7438356
	0.1	1	729398	7437193
	0.1	1	744410	7439728
	0.1	1	744592	7439666
	0.1	1	744738	7439577
	0.1	1	744388	7440826
	0.1	1	744596	7439675
	0.1	2	729525	7438328
	0.1	1	744704	7439887
	0.1	1	744907	7439708
	0.1	1	744594	7439686
	0.1	1	745062	7439712
	0.1	1	744298	7440790
	0.1	1	745968	7439695
0.1	2	744295	7440529	
0.1	1	744747	7439568	
0.1	1	744951	7439691	
0.1	1	729243	7437241	
0.1	1	744550	7439689	
0.1	1	744746	7439559	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744646	7439665
	0.1	1	744587	7439656
	0.1	1	729259	7437254
	0.1	1	744515	7439730
	0.1	1	744768	7439760
	0.1	1	729150	7438088
	0.1	1	744926	7439695
	0.1	1	744578	7439654
	0.1	1	744790	7439630
	0.1	1	744542	7439688
	0.1	1	729257	7437255
	0.1	1	745984	7439712
	0.1	1	744968	7439685
	0.1	1	744523	7439681
	0.1	2	729247	7437275
	0.1	1	744970	7439682
	0.1	1	744706	7439844
	0.1	1	744650	7439663
	0.1	1	745929	7439709
	0.1	1	745042	7439726
	0.1	1	744512	7439737
	0.1	1	744602	7439665
	0.1	1	744525	7439679
	0.1	1	729948	7438168
	0.1	1	744734	7439879
	0.1	1	744974	7439693
	0.1	1	744703	7439883
	0.1	1	729131	7437978
	0.1	1	744792	7439625
	0.1	1	729516	7437846
	0.1	1	744991	7439674
	0.1	2	729134	7438112
	0.1	1	744730	7439560
	0.1	1	729914	7437585
0.1	1	744731	7439630	
0.1	1	744287	7440703	
0.1	1	744515	7439668	
0.1	1	745974	7439680	
0.1	1	729531	7437827	
0.1	1	744785	7439829	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745009	7439695
	0.1	1	744715	7439709
	0.1	1	744650	7439664
	0.1	1	744789	7439782
	0.1	1	729126	7437860
	0.1	1	744278	7440699
	0.1	1	729916	7437900
	0.1	1	744511	7439738
	0.1	1	744507	7439678
	0.1	2	729519	7437800
	0.1	1	729912	7437948
	0.1	1	745008	7439677
	0.1	1	744788	7439788
	0.1	1	729151	7438320
	0.1	1	744708	7439847
	0.1	1	744310	7440305
	0.1	1	729526	7437792
	0.1	1	744484	7439678
	0.1	3	744646	7439664
	0.1	1	745943	7439720
	0.1	1	729129	7437872
	0.1	1	729111	7437986
	0.1	1	729919	7437974
	0.1	1	744590	7439660
	0.1	2	729527	7437715
	0.1	1	744789	7439629
	0.1	2	729918	7437967
	0.1	1	745008	7439714
	0.1	1	744739	7439573
	0.1	1	729946	7437997
	0.1	1	729520	7437706
	0.1	1	745848	7439696
	0.1	1	729154	7438237
	0.1	1	744745	7439576
	0.1	1	744476	7439687
	0.1	1	744303	7440319
0.1	1	745848	7439694	
0.1	3	729914	7438041	
0.1	1	745854	7439692	
0.1	1	729511	7438324	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744495	7439662
	0.1	1	744918	7439740
	0.1	1	744340	7440762
	0.1	1	744533	7439730
	0.1	1	729152	7437810
	0.1	1	744288	7440685
	0.1	1	729516	7437689
	0.1	1	729503	7438323
	0.1	1	745062	7439661
	0.1	1	744288	7440686
	0.1	1	744286	7440686
	0.1	1	745084	7439685
	0.1	1	744318	7440782
	0.1	1	729527	7437714
	0.1	1	744280	7440691
	0.1	1	745062	7439689
	0.1	1	729497	7438277
	0.1	1	745759	7439668
	0.1	1	744287	7440691
	0.1	1	744537	7439722
	0.1	1	745008	7439681
	0.1	1	744300	7440709
	0.1	1	744991	7439674
	0.1	1	745800	7439660
	0.1	1	729521	7437840
	0.1	1	744292	7440709
	0.1	1	744315	7440723
	0.1	1	744515	7439727
	0.1	1	729164	7437447
	0.1	1	744794	7439724
	0.1	1	744797	7439808
	0.1	1	744942	7439722
	0.1	1	745901	7439742
0.1	1	729505	7437767	
0.1	1	744794	7439802	
0.1	1	744331	7440493	
0.1	1	744793	7439802	
0.1	1	744999	7439714	
0.1	1	744784	7439788	
0.1	1	744700	7439706	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745884	7439658
	0.1	1	744703	7439841
	0.1	1	744700	7439708
	0.1	1	729979	7437700
	0.1	1	744685	7439720
	0.1	1	729985	7437798
	0.1	1	744568	7439731
	0.1	1	745918	7439738
	0.1	1	745017	7439723
	0.1	1	744686	7439723
	0.1	1	744716	7439828
	0.1	1	745021	7439717
	0.1	1	744695	7439797
	0.1	1	744768	7439775
	0.1	1	729964	7438254
	0.1	1	744695	7439797
	0.1	1	729898	7438328
	0.1	1	744783	7439765
	0.1	1	745053	7439718
	0.1	1	744352	7440484
	0.1	1	744325	7440678
	0.1	1	744667	7439661
	0.1	1	744654	7439717
	0.1	1	745060	7439711
	0.1	1	744629	7439708
	0.1	1	729891	7438300
	0.1	1	744665	7439653
	0.1	1	744623	7439712
	0.1	1	729102	7437868
	0.1	1	744707	7439779
	0.1	1	745061	7439718
	0.1	1	744299	7440440
	0.1	1	744515	7439733
0.1	1	729516	7437769	
0.1	1	744400	7440479	
0.1	1	729913	7437993	
0.1	1	744665	7439662	
0.1	1	745170	7439717	
0.1	1	744307	7440674	
0.1	1	744602	7439704	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729554	7438044
	0.1	1	744684	7439664
	0.1	1	744542	7439730
	0.1	1	744605	7439711
	0.1	1	729886	7437482
	0.1	1	744655	7439664
	0.1	1	729548	7437744
	0.1	1	744309	7440674
	0.1	1	744515	7439733
	0.1	1	745879	7439705
	0.1	1	744542	7439730
	0.1	3	729096	7438178
	0.1	1	744558	7439705
	0.1	1	744689	7439666
	0.1	1	744698	7439675
	0.1	1	729123	7437246
	0.1	1	744562	7439713
	0.1	1	745897	7439700
	0.1	1	744315	7440667
	0.1	1	729328	7437257
	0.1	1	744692	7439669
	0.1	1	744306	7440411
	0.1	1	729129	7437247
	0.1	1	745036	7439729
	0.1	1	744384	7440491
	0.1	1	729141	7437265
	0.1	1	744534	7439715
	0.1	3	744647	7439665
	0.1	1	745905	7439719
	0.1	1	744381	7440488
	0.1	1	744647	7439664
	0.1	1	744391	7440488
	0.1	1	744370	7440772
0.1	1	744531	7439714	
0.1	1	745913	7439727	
0.1	1	744624	7439721	
0.1	1	744322	7440671	
0.1	1	744702	7439670	
0.1	1	744294	7440402	
0.1	2	745927	7439740	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	729368	7437227
	0.1	1	744545	7439734
	0.1	1	745910	7439728
	0.1	2	729128	7437648
	0.1	1	744522	7439728
	0.1	1	729366	7437220
	0.1	1	744705	7439669
	0.1	1	729143	7437645
	0.1	1	744665	7439708
	0.1	1	744636	7439731
	0.1	1	745944	7439718
	0.1	1	744715	7439659
	0.1	2	729149	7437426
	0.1	1	729131	7437930
	0.1	1	745968	7439699
	0.1	1	744655	7439683
	0.1	1	744507	7439727
	0.1	1	729421	7437195
	0.1	1	744704	7439683
	0.1	1	745858	7439737
	0.1	1	729118	7437939
	0.1	1	744646	7439736
	0.1	1	744316	7440401
	0.1	1	729433	7437190
	0.1	2	744546	7439731
	0.1	1	744789	7439659
	0.1	2	729134	7437968
	0.1	1	729151	7437410
	0.1	1	744636	7439662
	0.1	1	744791	7439658
	0.1	1	745970	7439702
	0.1	1	744615	7439658
	0.1	1	745969	7439697
	0.1	1	729445	7437169
0.1	2	729125	7437996	
0.1	1	744779	7439741	
0.1	1	744330	7440701	
0.1	1	745968	7439693	
0.1	1	744493	7439709	
0.1	1	744852	7439657	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729124	7438001
	0.1	1	745968	7439693
	0.1	1	729124	7438004
	0.1	1	744482	7439705
	0.1	1	745927	7439741
	0.1	1	729477	7437164
	0.1	1	745973	7439688
	0.1	1	729130	7438084
	0.1	1	744483	7439703
	0.1	1	745980	7439688
	0.1	1	744336	7440375
	0.1	1	744484	7439697
	0.1	1	744822	7439742
	0.1	1	744310	7440716
	0.1	1	729131	7438118
	0.1	1	744378	7440465
	0.1	1	744487	7439692
	0.1	1	744892	7439654
	0.1	1	744531	7439666
	0.1	1	745980	7439708
	0.1	1	744283	7440272
	0.1	1	745975	7439719
	0.1	2	729118	7438183
	0.1	1	744915	7439655
	0.1	1	744547	7439737
	0.1	1	744485	7439695
	0.1	1	745997	7439716
	0.1	1	729163	7437360
	0.1	2	729116	7438192
	0.1	1	744306	7440719
	0.1	1	729121	7438208
	0.1	1	744263	7440425
	0.1	1	745962	7439736
	0.1	2	729145	7437398
0.1	1	744944	7439675	
0.1	2	729169	7437418	
0.1	1	745976	7439680	
0.1	1	744482	7439700	
0.1	1	729578	7437794	
0.1	1	744334	7440369	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744962	7439659
	0.1	1	729134	7438229
	0.1	1	744366	7440773
	0.1	1	744828	7439719
	0.1	1	744305	7440512
	0.1	1	744332	7440727
	0.1	1	729138	7438236
	0.1	1	744269	7440513
	0.1	1	729564	7437818
	0.1	1	745976	7439676
	0.1	1	744960	7439654
	0.1	1	744475	7439703
	0.1	1	729572	7437872
	0.1	1	729123	7438243
	0.1	1	744512	7439730
	0.1	2	729587	7437880
	0.1	1	744968	7439654
	0.1	1	744336	7440367
	0.1	1	744970	7439664
	0.1	1	744293	7440526
	0.1	1	744290	7440526
	0.1	1	745958	7439688
	0.1	1	744473	7439707
	0.1	1	744368	7440514
	0.1	1	745958	7439688
	0.1	1	744448	7439715
	0.1	1	729590	7438293
	0.1	1	744540	7439724
	0.1	1	745953	7439685
	0.1	2	729170	7438232
	0.1	2	729567	7438323
	0.1	1	745947	7439696
	0.1	1	729553	7437914
	0.1	1	729155	7438183
	0.1	1	744300	7440606
	0.1	1	745916	7439676
0.1	1	729147	7438105	
0.1	1	744371	7440772	
0.1	2	744893	7439730	
0.1	1	744528	7439728	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744432	7439716
	0.1	1	744291	7440629
	0.1	1	729553	7438321
	0.1	1	744985	7439660
	0.1	2	745901	7439678
	0.1	1	729158	7438004
	0.1	1	744311	7440676
	0.1	1	729550	7438322
	0.1	1	744990	7439661
	0.1	2	729149	7437951
	0.1	1	729547	7438321
	0.1	1	744990	7439661
	0.1	1	745859	7439688
	0.1	1	745818	7439664
	0.1	2	744288	7440745
	0.1	4	729523	7438003
	0.1	1	744293	7440760
	0.1	1	729524	7437997
	0.1	1	745980	7439663
	0.1	1	744294	7440762
	0.1	1	729171	7437406
	0.1	1	744971	7439706
	0.1	1	729517	7438021
	0.1	1	745828	7439649
	0.1	1	744297	7440765
	0.1	1	744945	7439680
	0.1	1	729494	7438207
	0.1	1	745843	7439664
	0.1	1	744932	7439674
	0.1	1	745802	7439735
	0.1	1	745001	7439730
	0.1	1	744366	7440803
	0.1	1	744527	7439724
	0.1	1	744391	7440806
	0.1	1	744907	7439693
	0.1	1	744377	7440805
0.1	1	744898	7439693	
0.1	1	729557	7438331	
0.1	1	729501	7438050	
0.1	1	745853	7439661	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744434	7439656
	0.1	1	744891	7439698
	0.1	1	744399	7440754
	0.1	2	745011	7439738
	0.1	1	729114	7437534
	0.1	1	744734	7439762
	0.1	1	744893	7439700
	0.1	1	729551	7438190
	0.1	1	729552	7438039
	0.1	1	729495	7437930
	0.1	1	745863	7439655
	0.1	1	744430	7439661
	0.1	1	744889	7439701
	0.1	2	744351	7440355
	0.1	1	729552	7438097
	0.1	1	729499	7437930
	0.1	1	745876	7439668
	0.1	1	744388	7440687
	0.1	1	744890	7439705
	0.1	1	744374	7440775
	0.1	4	729117	7438188
	0.1	1	744426	7439660
	0.1	1	744519	7439739
	0.1	1	745881	7439664
	0.1	1	744825	7439704
	0.1	1	729546	7438052
	0.1	2	744361	7440389
	0.1	4	729513	7437871
	0.1	1	745877	7439658
	0.1	1	729551	7438047
	0.1	1	744371	7440460
	0.1	1	744383	7440640
	0.1	1	745876	7439652
0.1	2	729107	7437905	
0.1	3	744370	7440768	
0.1	1	744695	7439937	
0.1	1	744924	7439701	
0.1	1	745877	7439657	
0.1	1	744923	7439704	
0.1	1	744704	7439884	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744919	7439695
	0.1	1	744359	7440514
	0.1	1	744583	7439738
	0.1	1	729551	7437697
	0.1	1	745027	7439730
	0.1	1	744403	7440488
	0.1	3	744371	7440772
	0.1	1	744331	7440665
	0.1	1	729168	7438076
	0.1	1	744703	7439884
	0.1	1	744789	7439921
	0.1	1	744791	7439912
	0.1	1	744931	7439705
	0.1	1	744793	7439912
	0.1	1	744344	7440512
	0.1	1	744895	7439726
	0.1	1	744709	7439885
	0.1	1	744582	7439735
	0.1	1	744587	7439729
	0.1	1	744937	7439695
	0.1	1	744332	7440662
	0.1	1	744691	7439700
	0.1	1	744787	7439913
	0.1	1	744935	7439696
	0.1	1	744708	7439847
	0.1	1	744946	7439694
	0.1	1	744364	7440669
	0.1	1	744943	7439698
	0.1	1	744708	7439846
	0.1	1	744953	7439716
	0.1	1	744342	7440512
	0.1	1	743951	7440896
	0.1	1	743948	7440864
	0.1	1	743928	7440860
0.1	1	737514	7439348	
0.1	1	744011	7440679	
0.1	1	743978	7440703	
0.1	1	744014	7440540	
0.1	1	737519	7441308	
0.1	1	743908	7440937	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743923	7440849
	0.1	1	743927	7440860
	0.1	2	743914	7440870
	0.1	1	737564	7441454
	0.1	1	737536	7441535
	0.1	1	744030	7440597
	0.1	1	743933	7440883
	0.1	1	743939	7440904
	0.1	1	743908	7440926
	0.1	2	737514	7439348
	0.1	1	744027	7440538
	0.1	1	743954	7440849
	0.1	1	737572	7441452
	0.1	1	743966	7440667
	0.1	1	744015	7440681
	0.1	1	743903	7440862
	0.1	1	744000	7440722
	0.1	2	737513	7438887
	0.1	1	743935	7440903
	0.1	1	737508	7441541
	0.1	1	744031	7440811
	0.1	1	744007	7440682
	0.1	1	743979	7440847
	0.1	1	744029	7440729
	0.1	3	743982	7440640
	0.1	1	743983	7440871
	0.1	1	737512	7441535
	0.1	1	743899	7440910
	0.1	1	744022	7440648
	0.1	1	744000	7440354
	0.1	1	743981	7440511
	0.1	1	744014	7440704
	0.1	1	737847	7440451
	0.1	1	743959	7440863
0.1	1	738742	7439284	
0.1	1	744015	7440900	
0.1	1	744017	7440650	
0.1	1	743983	7440872	
0.1	1	744009	7440724	
0.1	1	738727	7439280	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	743979	7440671
	0.1	1	743972	7440895
	0.1	1	743960	7440866
	0.1	1	743916	7440896
	0.1	1	738749	7439125
	0.1	1	743993	7440730
	0.1	3	743928	7440887
	0.1	1	737516	7438962
	0.1	1	737278	7441344
	0.1	1	743982	7440676
	0.1	1	744022	7440674
	0.1	3	743929	7440805
	0.1	3	743999	7440682
	0.1	1	743984	7440871
	0.1	4	737512	7438976
	0.1	1	744028	7440725
	0.1	1	744013	7440820
	0.1	1	743968	7440782
	0.1	1	737503	7440017
	0.1	1	738744	7438857
	0.1	1	743944	7440862
	0.1	1	743992	7440729
	0.1	1	744004	7440727
	0.1	1	743972	7440889
	0.1	1	737502	7439104
	0.1	1	744026	7440723
	0.1	2	743930	7440805
	0.1	2	743923	7440896
	0.1	2	743987	7440512
	0.1	1	738738	7438725
	0.1	1	744014	7440817
	0.1	1	743982	7440732
	0.1	1	738737	7438685
	0.1	1	744014	7440669
0.1	1	744030	7440684	
0.1	1	744012	7440917	
0.1	1	738752	7438672	
0.1	1	738770	7438692	
0.1	1	743912	7440908	
0.1	1	743944	7440863	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743992	7440615
	0.1	1	743967	7440638
	0.1	1	743981	7440870
	0.1	1	743957	7440892
	0.1	1	743912	7440921
	0.1	1	744033	7440685
	0.1	1	743992	7440643
	0.1	1	743972	7440520
	0.1	1	744001	7440683
	0.1	1	744017	7440680
	0.1	2	743975	7440734
	0.1	1	743910	7440920
	0.1	1	744012	7440670
	0.1	2	743930	7440805
	0.1	1	743977	7440696
	0.1	1	743899	7440909
	0.1	1	744018	7440894
	0.1	2	743991	7440642
	0.1	1	744026	7440722
	0.1	1	743926	7440860
	0.1	1	744029	7440723
	0.1	1	743961	7440371
	0.1	1	743926	7440682
	0.1	1	744004	7440863
	0.1	1	743984	7440641
	0.1	1	743999	7440868
	0.1	1	743899	7440727
	0.1	1	743956	7440368
	0.1	1	744029	7440725
	0.1	1	743968	7440645
	0.1	1	743965	7440641
	0.1	1	743941	7440355
	0.1	1	743921	7440679
0.1	1	743995	7440872	
0.1	1	743972	7440729	
0.1	1	744014	7440727	
0.1	1	744000	7440873	
0.1	1	743941	7440777	
0.1	1	744013	7440728	
0.1	2	743966	7440630	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743899	7440727
	0.1	1	743925	7440676
	0.1	1	743932	7440620
	0.1	1	743922	7440271
	0.1	1	744010	7440723
	0.1	3	743976	7440734
	0.1	2	743991	7440620
	0.1	1	744002	7440873
	0.1	1	743930	7440812
	0.1	1	743923	7440675
	0.1	1	743987	7440615
	0.1	1	743976	7440734
	0.1	1	744029	7440702
	0.1	1	744008	7440884
	0.1	1	743923	7440675
	0.1	1	743977	7440546
	0.1	1	743900	7440734
	0.1	1	743983	7440553
	0.1	1	744021	7440690
	0.1	2	743984	7440519
	0.1	1	744017	7440896
	0.1	1	744017	7440891
	0.1	1	744029	7440693
	0.1	1	743986	7440829
	0.1	1	744033	7440686
	0.1	1	743925	7440671
	0.1	1	744032	7440688
	0.1	1	743898	7440733
	0.1	1	743972	7440518
	0.1	1	743935	7440785
	0.1	1	743936	7440625
	0.1	1	743985	7440832
	0.1	2	743925	7440670
	0.1	1	743969	7440832
0.1	1	744016	7440680	
0.1	1	743914	7440794	
0.1	1	743967	7440843	
0.1	1	744011	7440680	
0.1	1	744009	7440681	
0.1	1	743930	7440626	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744020	7440925
	0.1	1	743998	7440683
	0.1	1	743986	7440858
	0.1	1	743912	7440673
	0.1	1	743899	7440737
	0.1	2	743998	7440686
	0.1	1	744005	7440672
	0.1	1	743957	7440659
	0.1	1	743912	7440673
	0.1	1	743913	7440797
	0.1	1	743972	7440865
	0.1	1	743899	7440738
	0.1	1	744012	7440670
	0.1	1	744015	7440670
	0.1	1	737471	7441297
	0.1	1	743910	7440682
	0.1	3	743927	7440812
	0.1	1	743897	7440915
	0.1	1	743925	7440854
	0.1	1	743895	7440675
	0.1	1	737494	7438834
	0.1	1	737360	7441349
	0.1	1	743949	7440655
	0.1	1	743900	7440679
	0.1	1	744012	7440618
	0.1	1	743905	7440819
	0.1	1	743897	7440908
	0.1	1	744007	7440543
	0.1	2	743942	7440660
	0.1	1	743982	7440887
	0.1	2	744023	7440528
	0.1	1	743901	7440906
	0.1	1	737578	7441436
0.1	1	744008	7440361	
0.1	1	743904	7440903	
0.1	1	744023	7440353	
0.1	1	738748	7439295	
0.1	1	743907	7440904	
0.1	1	743905	7440672	
0.1	1	744000	7440228	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743908	7440907
	0.1	1	738745	7439282
	0.1	1	743924	7440665
	0.1	1	743911	7440621
	0.1	1	738737	7439171
	0.1	1	743909	7440906
	0.1	1	743912	7440907
	0.1	3	743930	7440805
	0.1	1	738745	7439078
	0.1	1	743923	7440664
	0.1	1	743913	7440556
	0.1	1	743907	7440563
	0.1	1	738742	7438854
	0.1	1	738736	7438725
	0.1	2	743924	7440897
	0.1	1	743921	7440775
	0.1	1	743927	7440666
	0.1	1	743913	7440909
	0.1	1	743953	7440670
	0.1	1	743907	7440561
	0.1	2	743927	7440889
	0.1	1	743907	7440560
	0.1	1	743916	7440796
	0.1	1	743917	7440898
	0.1	1	743915	7440531
	0.1	1	743932	7440889
	0.1	1	743915	7440786
	0.1	1	743916	7440795
	0.1	1	743910	7440885
	0.1	1	743919	7440520
	0.1	1	743920	7440908
	0.1	1	743933	7440885
	0.1	3	743935	7440804
	0.1	1	743916	7440872
	0.1	4	743944	7440805
	0.1	1	743914	7440519
0.1	1	743954	7440802	
0.1	1	743920	7440790	
0.1	1	743934	7440893	
0.1	1	743912	7440870	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743912	7440328
	0.1	1	743906	7440827
	0.1	1	743925	7440853
	0.1	1	743941	7440803
	0.1	1	743903	7440861
	0.1	1	743920	7440858
	0.1	1	743923	7440809
	0.1	1	743919	7440726
	0.1	3	743952	7440659
	0.1	1	743924	7440811
	0.1	1	743926	7440726
	0.1	1	743921	7440862
	0.1	1	743919	7440810
	0.1	2	743947	7440738
	0.1	2	743926	7440863
	0.1	1	743947	7440734
	0.1	2	743942	7440721
	0.1	1	743919	7440792
	0.1	1	743899	7440825
	0.1	1	743931	7440739
	0.1	3	743954	7440658
	0.1	2	743932	7440815
	0.1	1	743930	7440805
	0.1	1	743928	7440816
	0.1	2	743940	7440720
	0.1	1	743950	7440755
	0.1	1	743912	7440787
	0.1	3	743957	7440774
	0.1	1	744024	7440808
	0.1	1	743904	7440724
	0.1	1	744023	7440812
	0.1	1	743900	7440724
	0.1	1	743990	7440673
	0.1	1	743973	7440665
	0.1	1	743988	7440683
	0.1	1	744006	7440844
0.1	3	743940	7440800	
0.1	1	743970	7440667	
0.1	1	743901	7440718	
0.1	1	744011	7440847	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744021	7440751
	0.1	1	743969	7440667
	0.1	1	743903	7440728
	0.1	1	744015	7440761
	0.1	1	743903	7440717
	0.1	1	744006	7440755
	0.1	3	743974	7440662
	0.1	1	744016	7440852
	0.1	1	743998	7440646
	0.1	1	743926	7440815
	0.1	1	744016	7440858
	0.1	1	743960	7440446
	0.1	1	743900	7440727
	0.1	1	743906	7440700
	0.1	1	744027	7440724
	0.1	1	743925	7440672
	0.1	1	737497	7439115
	0.1	1	743921	7440673
	0.1	1	743903	7440732
	0.1	1	743907	7440561
	0.1	2	743949	7440661
	0.1	1	743931	7440284
	0.1	2	743930	7440664
	0.1	2	743943	7440644
	0.1	2	743932	7440621
	0.1	1	743915	7440786
	0.1	1	743949	7440561
	0.1	1	743915	7440785
	0.1	1	743933	7440681
	0.1	2	743960	7440736
	0.1	1	743925	7440676
	0.1	1	743925	7440670
	0.1	1	743925	7440792
	0.1	1	743948	7440530
	0.1	1	743910	7440669
	0.1	1	743914	7440796
0.1	1	743951	7440794	
0.1	1	743924	7440431	
0.1	1	743942	7440675	
0.1	1	743921	7440674	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743920	7440800
	0.1	1	743905	7440760
	0.1	1	743930	7440806
	0.1	3	743926	7440815
	0.1	1	743912	7440492
	0.1	1	743907	7440672
	0.1	1	743904	7440559
	0.1	1	743927	7440812
	0.1	1	737500	7439296
	0.1	1	743945	7440665
	0.1	1	737500	7439420
	0.1	2	743918	7440811
	0.1	1	743915	7440796
	0.1	1	743962	7440737
	0.1	1	743899	7440734
	0.1	1	743923	7440675
	0.1	1	743925	7440670
	0.1	1	743934	7440578
	0.1	4	743965	7440800
	0.1	1	743906	7440823
	0.1	1	743929	7440812
	0.1	1	743900	7440674
	0.1	1	743914	7440783
	0.1	1	737497	7439813
	0.1	1	743967	7440659
	0.1	1	743923	7440808
	0.1	1	743900	7440679
	0.1	1	743921	7440736
	0.1	1	743912	7440674
	0.1	1	743964	7440207
	0.1	3	743951	7440657
	0.1	1	743926	7440663
	0.1	1	743917	7440558
	0.1	1	743961	7440702
	0.1	3	743947	7440804
	0.1	4	743936	7440799
0.1	1	743931	7440814	
0.1	1	743941	7440519	
0.1	1	743907	7440560	
0.1	1	743907	7440826	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	743930	7440809
	0.1	1	743920	7440848
	0.1	1	737493	7439309
	0.1	1	743929	7440567
	0.1	1	743925	7440670
	0.1	1	743924	7440854
	0.1	1	743918	7440790
	0.1	1	743916	7440731
	0.1	1	743915	7440629
	0.1	3	743951	7440660
	0.1	1	743921	7440772
	0.1	1	743927	7440675
	0.1	1	743940	7440798
	0.1	1	743928	7440737
	0.1	1	743944	7440642
	0.1	1	743920	7440799
	0.1	1	743950	7440562
	0.1	1	743909	7440826
	0.1	2	743955	7440658
	0.1	1	743944	7440791
	0.1	1	743950	7440583
	0.1	1	725594	7432059
	0.1	1	725539	7431431
	0.1	1	723323	7430976
	0.1	1	723232	7431004
	0.1	1	724156	7431142
	0.1	1	724455	7431072
	0.1	1	723197	7430958
	0.1	1	724444	7431048
	0.1	1	723204	7431017
	0.1	1	724441	7430991
	0.1	1	723214	7431133
	0.1	1	724160	7431142
	0.1	1	723201	7431142
	0.1	1	724159	7431020
	0.1	1	724159	7431020
0.1	1	724454	7430958	
0.1	3	724458	7430947	
0.1	1	724147	7430990	
0.1	2	724380	7430907	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724150	7430970
	0.1	1	724162	7430926
	0.1	1	725616	7431537
	0.1	1	724378	7430913
	0.1	3	724385	7430923
	0.1	1	725643	7431435
	0.1	1	723997	7430921
	0.1	1	723987	7430940
	0.1	1	725617	7431411
	0.1	1	724394	7430944
	0.1	1	723993	7430942
	0.1	1	725620	7431408
	0.1	1	724381	7430959
	0.1	1	723997	7430950
	0.1	1	725616	7431408
	0.1	1	724381	7430985
	0.1	1	723988	7430953
	0.1	1	725611	7431389
	0.1	1	724371	7431008
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724008	7431010
	0.1	1	724371	7431025
	0.1	1	725634	7431375
	0.1	3	724369	7431029
	0.1	2	724373	7431028
	0.1	1	724378	7431040
	0.1	1	725621	7431330
	0.1	1	725620	7431328
	0.1	1	724383	7431064
	0.1	1	724380	7431079
	0.1	2	725621	7431311
	0.1	1	724385	7431095
	0.1	1	724383	7431100
	0.1	1	725619	7431180
	0.1	1	724381	7431101
	0.1	1	725618	7431177
	0.1	1	724375	7431096
	0.1	2	725618	7431175
	0.1	2	724389	7431128
	0.1	4	725617	7431138
	0.1	1	724389	7431118

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	725617	7431135
	0.1	1	724372	7431135
	0.1	1	725619	7431120
	0.1	1	724383	7431162
	0.1	1	725624	7431115
	0.1	1	724373	7431170
	0.1	1	724375	7431173
	0.1	1	724378	7431171
	0.1	1	724388	7431248
	0.1	1	724379	7431428
	0.1	3	724357	7431258
	0.1	1	725550	7430918
	0.1	1	724360	7431188
	0.1	1	725547	7430919
	0.1	1	724344	7431166
	0.1	1	725569	7431185
	0.1	1	724346	7431080
	0.1	1	725556	7431205
	0.1	1	724348	7431067
	0.1	1	725553	7431307
	0.1	1	724342	7431046
	0.1	1	725559	7431309
	0.1	1	725551	7431322
	0.1	1	724352	7431049
	0.1	1	724340	7430929
	0.1	2	724336	7430929
	0.1	2	724337	7430925
	0.1	1	725557	7432072
	0.1	1	724346	7430913
	0.1	1	724324	7430904
	0.1	1	725522	7431589
	0.1	1	725517	7431564
	0.1	1	725510	7431552
0.1	1	724330	7430935	
0.1	1	724314	7430944	
0.1	1	725526	7431522	
0.1	1	724318	7430943	
0.1	1	725526	7431521	
0.1	1	724325	7430943	
0.1	1	724555	7431170	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725525	7431452
	0.1	1	724547	7431122
	0.1	1	724556	7431112
	0.1	1	725524	7431407
	0.1	1	724317	7430952
	0.1	1	724569	7431084
	0.1	1	724315	7430951
	0.1	2	725526	7431367
	0.1	1	725528	7431368
	0.1	1	724559	7431078
	0.1	1	724555	7431079
	0.1	1	724319	7431006
	0.1	1	724561	7431034
	0.1	1	725526	7431359
	0.1	2	724324	7431066
	0.1	2	724562	7431033
	0.1	1	725527	7431354
	0.1	3	724313	7431073
	0.1	1	724562	7431033
	0.1	3	724312	7431076
	0.1	1	725528	7431311
	0.1	3	724323	7431080
	0.1	1	724324	7431083
	0.1	1	724327	7431082
	0.1	1	724547	7431000
	0.1	1	725530	7431252
	0.1	1	724544	7431001
	0.1	1	724539	7431008
	0.1	2	725532	7431250
	0.1	2	724319	7431131
	0.1	1	724538	7431004
	0.1	2	725530	7431249
	0.1	1	724532	7431000
	0.1	1	724315	7431181
0.1	1	724543	7430985	
0.1	1	724528	7430925	
0.1	1	725528	7431167	
0.1	1	724212	7431145	
0.1	1	724518	7430950	
0.1	1	724216	7431140	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724221	7431137
	0.1	1	725597	7431649
	0.1	1	724533	7430956
	0.1	1	724216	7431136
	0.1	1	725594	7431549
	0.1	1	725518	7430999
	0.1	1	724527	7431004
	0.1	1	725592	7431522
	0.1	1	724528	7431002
	0.1	1	725530	7430909
	0.1	2	724213	7431123
	0.1	2	725590	7431507
	0.1	2	724528	7431002
	0.1	2	725436	7430979
	0.1	1	724213	7431120
	0.1	1	725439	7430987
	0.1	1	725598	7431494
	0.1	1	724530	7431013
	0.1	2	724218	7430979
	0.1	3	725602	7431489
	0.1	1	724521	7431017
	0.1	1	724206	7430976
	0.1	1	724515	7431010
	0.1	2	725607	7431434
	0.1	1	725462	7430989
	0.1	1	725598	7431423
	0.1	1	724523	7431091
	0.1	1	725466	7430990
	0.1	2	725584	7431413
	0.1	1	724527	7431092
	0.1	1	725470	7430996
	0.1	1	724523	7431095
	0.1	1	725459	7431027
	0.1	1	724227	7430920
	0.1	1	724531	7431147
	0.1	1	725446	7431070
0.1	2	724195	7430919	
0.1	1	725447	7431075	
0.1	1	724199	7430969	
0.1	1	725600	7431389	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725460	7431094
	0.1	1	724195	7430972
	0.1	1	725458	7431173
	0.1	1	725599	7431373
	0.1	1	725458	7431174
	0.1	2	724200	7430981
	0.1	1	725597	7431365
	0.1	1	725442	7431183
	0.1	1	724515	7431216
	0.1	1	725441	7431188
	0.1	1	724517	7431220
	0.1	1	724517	7431221
	0.1	2	725616	7431347
	0.1	2	725619	7431352
	0.1	1	724526	7431270
	0.1	1	724529	7431273
	0.1	1	725467	7431223
	0.1	3	725589	7431324
	0.1	1	724522	7431315
	0.1	1	725458	7431225
	0.1	1	724189	7431130
	0.1	1	724517	7431334
	0.1	1	725449	7431241
	0.1	2	725592	7431304
	0.1	1	725452	7431248
	0.1	1	724527	7431369
	0.1	1	725455	7431246
	0.1	1	725603	7431290
	0.1	1	725602	7431268
	0.1	1	725446	7431290
	0.1	2	724109	7431212
	0.1	2	725603	7431253
	0.1	3	725448	7431295
	0.1	2	725605	7431243
	0.1	1	724536	7431811
	0.1	1	725462	7431323
0.1	2	725590	7431232	
0.1	2	725579	7431234	
0.1	2	725598	7431224	
0.1	1	724428	7431335	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725452	7431469
	0.1	1	724089	7431163
	0.1	2	725598	7431199
	0.1	1	724428	7431333
	0.1	1	725451	7431467
	0.1	1	725450	7431467
	0.1	1	724101	7431163
	0.1	2	725583	7431185
	0.1	1	725446	7431565
	0.1	2	725595	7431175
	0.1	1	724415	7431239
	0.1	1	725446	7431565
	0.1	1	725594	7431158
	0.1	1	725452	7431661
	0.1	3	725586	7431158
	0.1	1	725459	7431793
	0.1	1	724087	7431147
	0.1	1	725579	7431149
	0.1	1	724099	7431140
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724431	7431204
	0.1	3	725459	7431785
	0.1	1	724102	7431137
	0.1	1	724111	7431147
	0.1	4	725614	7431072
	0.1	1	724116	7431138
	0.1	1	725606	7431068
	0.1	1	724096	7431118
	0.1	3	725587	7431057
	0.1	1	724425	7431159
	0.1	1	724416	7431156
	0.1	1	725445	7432019
	0.1	1	724092	7431118
	0.1	2	725616	7431051
	0.1	1	724086	7431109
	0.1	1	724095	7431103
	0.1	1	725617	7431041
	0.1	1	724421	7430982
	0.1	1	725598	7431036
	0.1	1	724112	7430968
	0.1	1	725590	7431037

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724107	7430957
	0.1	1	725593	7431022
	0.1	1	724098	7430954
	0.1	3	725598	7430996
	0.1	1	724436	7430967
	0.1	1	724101	7430926
	0.1	2	725601	7430989
	0.1	1	724099	7430917
	0.1	1	724088	7430902
	0.1	3	725584	7430953
	0.1	1	724045	7430918
	0.1	1	724400	7430918
	0.1	1	725562	7430959
	0.1	1	724401	7430923
	0.1	1	724050	7430935
	0.1	1	725575	7431129
	0.1	1	724399	7430959
	0.1	1	724046	7430957
	0.1	2	724062	7430953
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724395	7430960
	0.1	1	724065	7430964
	0.1	1	724406	7430977
	0.1	1	724052	7430994
	0.1	2	725571	7431214
	0.1	1	724041	7431031
	0.1	1	724040	7431044
	0.1	1	725570	7431256
	0.1	1	724404	7431011
	0.1	3	725583	7431282
	0.1	1	724405	7431011
	0.1	1	724402	7431058
	0.1	1	725570	7431313
	0.1	1	724406	7431090
	0.1	1	724415	7431110
	0.1	1	724403	7431117
	0.1	1	725570	7431343
	0.1	1	724407	7431122
	0.1	1	724055	7431134
	0.1	1	724410	7431129
	0.1	1	724410	7431132

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	3	725570	7431365
	0.1	1	725583	7431365
	0.1	1	724397	7431131
	0.1	1	724397	7431130
	0.1	2	725565	7431384
	0.1	1	724400	7431156
	0.1	1	723580	7431186
	0.1	1	724409	7431157
	0.1	1	725573	7431414
	0.1	1	723569	7431171
	0.1	2	725575	7431423
	0.1	1	725583	7431428
	0.1	1	723580	7431156
	0.1	1	724556	7431629
	0.1	1	723577	7431141
	0.1	1	724400	7431222
	0.1	1	725573	7431487
	0.1	1	724543	7431504
	0.1	5	725567	7431493
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724393	7431420
	0.1	1	724303	7431255
	0.1	1	724555	7431319
	0.1	1	725566	7431583
	0.1	1	724292	7431214
	0.1	1	725575	7431639
	0.1	1	724288	7431214
	0.1	1	724563	7431308
	0.1	1	724287	7431214
	0.1	1	725564	7431731
	0.1	1	724292	7431210
	0.1	3	725507	7431951
	0.1	1	723496	7430917
	0.1	2	725497	7431945
	0.1	1	724554	7431199
	0.1	1	723503	7430928
	0.1	1	724551	7431187
	0.1	1	725487	7431794
	0.1	1	724306	7431166
	0.1	1	725503	7431662
	0.1	1	724303	7431166

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723498	7430949
	0.1	1	723497	7431006
	0.1	1	724299	7431136
	0.1	1	724296	7431134
	0.1	1	723502	7431103
	0.1	1	724294	7431099
	0.1	1	725512	7431471
	0.1	1	724294	7431096
	0.1	1	725515	7431468
	0.1	1	723473	7431254
	0.1	1	724303	7431093
	0.1	1	725509	7431432
	0.1	1	724289	7431091
	0.1	1	723473	7431211
	0.1	1	725508	7431419
	0.1	1	723473	7431200
	0.1	1	725513	7431415
	0.1	1	723482	7431193
	0.1	1	724312	7431071
	0.1	1	725495	7431370
	0.1	1	723477	7431096
	0.1	1	724287	7431012
	0.1	1	725502	7431353
	0.1	1	723478	7431094
	0.1	1	725507	7431368
	0.1	1	724289	7430989
	0.1	2	725518	7431368
	0.1	1	723472	7431032
	0.1	1	724299	7430962
	0.1	1	725496	7431332
	0.1	1	723472	7431011
	0.1	2	725516	7431320
	0.1	1	724307	7430946
0.1	1	725514	7431315	
0.1	1	723479	7430999	
0.1	1	724308	7430942	
0.1	1	723480	7430941	
0.1	1	724304	7430921	
0.1	1	724306	7430920	
0.1	1	724303	7430917	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725505	7431212
	0.1	1	723390	7430942
	0.1	1	724304	7430917
	0.1	1	724301	7430918
	0.1	2	725489	7431174
	0.1	1	724301	7430918
	0.1	1	724300	7430917
	0.1	2	725511	7431136
	0.1	1	723412	7431066
	0.1	1	724302	7430912
	0.1	3	725505	7431117
	0.1	1	725496	7431111
	0.1	2	725492	7431106
	0.1	1	723402	7431217
	0.1	1	724298	7430909
	0.1	1	725484	7431100
	0.1	1	723396	7431222
	0.1	1	724282	7430901
	0.1	2	725520	7431059
	0.1	1	724279	7430903
	0.1	1	723380	7431299
	0.1	1	725512	7430936
	0.1	1	723388	7431307
	0.1	1	724285	7430904
	0.1	3	725512	7430932
	0.1	1	724278	7430909
	0.1	1	725503	7430932
	0.1	1	724287	7430912
	0.1	1	725459	7431027
	0.1	1	723348	7431332
	0.1	1	724285	7430914
	0.1	1	725463	7431060
	0.1	1	725442	7431070
0.1	1	725465	7431111	
0.1	1	724279	7430918	
0.1	1	723347	7430977	
0.1	1	724175	7431157	
0.1	1	724419	7431240	
0.1	2	724097	7431151	
0.1	2	724095	7431150	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724417	7431238
	0.1	1	724089	7431151
	0.1	1	724415	7431217
	0.1	1	724427	7431207
	0.1	1	725460	7431785
	0.1	5	725602	7431110
	0.1	1	725601	7431077
	0.1	1	724423	7431192
	0.1	2	725453	7431836
	0.1	2	724432	7431167
	0.1	2	725429	7431849
	0.1	1	724432	7431166
	0.1	1	725462	7431931
	0.1	1	725452	7432024
	0.1	1	724095	7431116
	0.1	1	725611	7431060
	0.1	1	724436	7431084
	0.1	1	725530	7432111
	0.1	2	725621	7431047
	0.1	1	724435	7431028
	0.1	1	724098	7430999
	0.1	1	725605	7431031
	0.1	1	724421	7430981
	0.1	1	724095	7430976
	0.1	1	724420	7430980
	0.1	1	724419	7430980
	0.1	1	724433	7430966
	0.1	1	724437	7430967
	0.1	3	725590	7430973
	0.1	1	724406	7430895
	0.1	1	724399	7430919
	0.1	1	725581	7430926
	0.1	1	724048	7430918
0.1	1	725567	7430947	
0.1	1	724401	7430919	
0.1	1	724048	7430920	
0.1	1	724400	7430920	
0.1	1	724053	7430923	
0.1	1	725571	7431014	
0.1	1	725572	7431135	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724399	7430960
	0.1	1	725568	7431151
	0.1	1	725569	7431154
	0.1	2	724052	7430984
	0.1	2	725566	7431162
	0.1	1	724406	7430980
	0.1	1	724410	7430984
	0.1	2	725565	7431217
	0.1	1	724403	7431010
	0.1	1	724040	7431062
	0.1	1	724037	7431063
	0.1	1	725578	7431300
	0.1	2	724056	7431091
	0.1	3	724055	7431100
	0.1	1	725573	7431324
	0.1	2	724052	7431102
	0.1	1	725575	7431328
	0.1	1	724047	7431108
	0.1	1	725576	7431330
	0.1	1	724402	7431117
	0.1	1	724049	7431119
	0.1	1	725566	7431343
	0.1	1	724408	7431128
	0.1	1	724050	7431155
	0.1	2	725563	7431353
	0.1	2	724048	7431162
	0.1	1	725567	7431370
	0.1	1	724399	7431134
	0.1	1	725580	7431378
	0.1	1	723507	7431308
	0.1	1	723566	7431298
	0.1	2	724393	7431129
	0.1	2	725567	7431390
	0.1	1	723570	7431189
	0.1	1	725566	7431410
	0.1	1	724410	7431160
0.1	1	723578	7431157	
0.1	1	724402	7431176	
0.1	1	724682	7431937	
0.1	1	723581	7431157	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724406	7431181
	0.1	1	724554	7431645
	0.1	1	725580	7431433
	0.1	1	724390	7431207
	0.1	1	725563	7431429
	0.1	1	724546	7431597
	0.1	1	723558	7431099
	0.1	1	724405	7431241
	0.1	1	723561	7431101
	0.1	1	724399	7431336
	0.1	2	724544	7431470
	0.1	5	725560	7431491
	0.1	1	723562	7431100
	0.1	1	724549	7431404
	0.1	3	725555	7431489
	0.1	1	723555	7431101
	0.1	1	724286	7431829
	0.1	1	724553	7431383
	0.1	1	725563	7431573
	0.1	1	723584	7431060
	0.1	1	723584	7431042
	0.1	1	724566	7431316
	0.1	1	723590	7430932
	0.1	1	724569	7431322
	0.1	4	725581	7431684
	0.1	1	723580	7430921
	0.1	1	724287	7431214
	0.1	1	725571	7431717
	0.1	1	723587	7430920
	0.1	1	724564	7431264
	0.1	1	724551	7431230
	0.1	1	724312	7431176
	0.1	1	724544	7431228
0.1	1	723496	7430921	
0.1	1	724306	7431170	
0.1	1	725509	7431908	
0.1	1	724305	7431169	
0.1	1	723509	7430933	
0.1	1	723511	7430934	
0.1	1	725505	7431612	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724295	7431142
	0.1	1	725510	7431557
	0.1	2	725500	7431518
	0.1	1	723498	7431015
	0.1	4	725504	7431517
	0.1	1	723505	7431034
	0.1	1	724297	7431133
	0.1	1	725512	7431527
	0.1	1	724289	7431109
	0.1	5	725501	7431508
	0.1	1	723509	7431156
	0.1	1	723504	7431188
	0.1	1	723472	7431277
	0.1	1	724311	7431093
	0.1	1	725515	7431460
	0.1	1	723478	7431213
	0.1	4	725506	7431428
	0.1	1	724287	7431092
	0.1	1	724288	7431093
	0.1	1	724301	7431061
	0.1	1	725509	7431396
	0.1	1	723475	7431105
	0.1	1	724311	7431057
	0.1	2	725497	7431358
	0.1	1	723478	7431094
	0.1	1	723475	7431094
	0.1	1	724288	7431010
	0.1	1	725502	7431358
	0.1	1	724286	7430993
	0.1	1	723481	7431073
	0.1	1	724287	7430987
	0.1	1	725512	7431354
	0.1	1	723469	7431009
	0.1	1	724305	7430950
0.1	1	723475	7431007	
0.1	1	724307	7430945	
0.1	1	725510	7431302	
0.1	1	723483	7430999	
0.1	6	725496	7431289	
0.1	1	723484	7430982	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724293	7430934
	0.1	1	725503	7431235
	0.1	1	725512	7431234
	0.1	1	725511	7431219
	0.1	1	723410	7430919
	0.1	1	725495	7431183
	0.1	1	723401	7431060
	0.1	1	723401	7431063
	0.1	1	725497	7431141
	0.1	1	723411	7431064
	0.1	1	723411	7431065
	0.1	1	724298	7430917
	0.1	4	725511	7431132
	0.1	1	723393	7431113
	0.1	1	724303	7430910
	0.1	1	723387	7431114
	0.1	1	724302	7430910
	0.1	1	723400	7431120
	0.1	1	724299	7430909
	0.1	1	725487	7431105
	0.1	1	723396	7431221
	0.1	1	724279	7430897
	0.1	2	725505	7431079
	0.1	1	723379	7431299
	0.1	3	725519	7430964
	0.1	1	724284	7430903
	0.1	1	723339	7431334
	0.1	1	723338	7431334
	0.1	1	723352	7431157
	0.1	1	724274	7430914
	0.1	2	725446	7431078
	0.1	1	723370	7431148
	0.1	1	724278	7430915
	0.1	1	723357	7431108
0.1	1	724278	7430917	
0.1	1	723353	7430985	
0.1	6	725473	7431166	
0.1	1	724280	7430919	
0.1	2	725464	7431188	
0.1	1	723349	7430966	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724280	7430921
	0.1	2	725465	7431220
	0.1	2	725460	7431226
	0.1	1	723281	7431005
	0.1	1	724274	7430931
	0.1	2	725455	7431231
	0.1	1	723278	7431088
	0.1	1	723265	7431195
	0.1	1	725440	7431235
	0.1	1	723244	7431071
	0.1	1	724275	7430941
	0.1	2	725445	7431242
	0.1	1	723248	7430964
	0.1	1	724271	7430942
	0.1	1	725452	7431240
	0.1	3	725459	7431245
	0.1	1	724271	7430949
	0.1	1	725468	7431248
	0.1	1	723384	7431024
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724263	7430950
	0.1	1	724274	7430953
	0.1	1	724273	7430955
	0.1	1	725472	7431374
	0.1	1	724268	7430962
	0.1	1	725459	7431413
	0.1	1	725468	7431427
	0.1	1	723374	7431151
	0.1	1	725478	7431458
	0.1	1	723372	7431292
	0.1	1	724506	7431865
	0.1	1	725463	7431787
	0.1	1	724277	7431033
	0.1	1	724501	7431703
	0.1	1	725469	7431802
	0.1	1	724271	7431170
	0.1	1	724503	7431662
	0.1	1	724271	7431169
	0.1	1	724269	7431168
	0.1	1	724501	7431298
	0.1	1	724496	7431259

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	724496	7431203
	0.1	1	724251	7431159
	0.1	1	724507	7431187
	0.1	1	724252	7431160
	0.1	1	724498	7431171
	0.1	1	724253	7431159
	0.1	1	724497	7431174
	0.1	1	724490	7431176
	0.1	1	724246	7431165
	0.1	2	724493	7431169
	0.1	1	724241	7431166
	0.1	1	724504	7431124
	0.1	1	724251	7431154
	0.1	1	724507	7431121
	0.1	1	724253	7431153
	0.1	1	724504	7431119
	0.1	1	724258	7431154
	0.1	1	724508	7431105
	0.1	1	724504	7431087
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	724260	7431158
	0.1	1	724258	7431167
	0.1	1	724498	7431078
	0.1	1	724258	7431101
	0.1	1	724496	7431080
	0.1	2	724487	7431088
	0.1	1	724252	7431011
	0.1	4	724505	7431009
	0.1	1	724258	7430955
	0.1	1	724259	7430945
	0.1	1	724508	7431008
	0.1	1	724262	7430945
	0.1	1	724508	7431002
	0.1	1	724493	7430986
	0.1	1	724256	7430938
	0.1	1	724257	7430938
	0.1	1	724510	7430914
	0.1	1	724253	7430925
	0.1	1	724465	7430924
	0.1	1	724182	7430900
	0.1	1	724169	7430933

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724466	7430992
	0.1	1	724185	7430979
	0.1	1	724474	7430998
	0.1	1	724451	7431006
	0.1	1	724448	7430998
	0.1	1	724481	7431068
	0.1	1	724459	7431115
	0.1	1	724456	7431115
	0.1	1	723552	7431162
	0.1	1	724455	7431119
	0.1	1	723554	7431160
	0.1	1	724459	7431118
	0.1	1	724186	7431132
	0.1	1	724469	7431182
	0.1	1	723546	7431160
	0.1	1	724178	7431138
	0.1	1	724180	7431152
	0.1	1	724179	7431153
	0.1	1	724439	7431897
	0.1	1	724173	7431167
	0.1	1	724444	7431827
	0.1	1	723514	7431014
	0.1	1	724173	7431168
	0.1	1	724448	7431387
	0.1	1	723525	7431033
	0.1	1	724173	7431170
	0.1	1	724450	7431384
	0.1	1	724174	7431170
	0.1	1	724173	7431172
	0.1	2	724450	7431302
	0.1	1	723525	7431113
	0.1	1	723522	7431113
	0.1	1	724163	7431172
	0.1	1	724456	7431302
0.1	1	724168	7431177	
0.1	1	724457	7431305	
0.1	1	724204	7431891	
0.1	2	724458	7431304	
0.1	1	723526	7431140	
0.1	1	724461	7431306	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724153	7431186
	0.1	2	724456	7431299
	0.1	1	724452	7431298
	0.1	1	723468	7430989
	0.1	1	724159	7431183
	0.1	2	724449	7431296
	0.1	1	724453	7431295
	0.1	1	723421	7430953
	0.1	1	724157	7431179
	0.1	1	724448	7431246
	0.1	1	724450	7431245
	0.1	1	724158	7431177
	0.1	1	724442	7431218
	0.1	1	724442	7431207
	0.1	1	724148	7431173
	0.1	1	724431	7431206
	0.1	1	723436	7431032
	0.1	1	723434	7431034
	0.1	1	724147	7431153
	0.1	1	724443	7431120
	0.1	1	724147	7431144
	0.1	1	724439	7431127
	0.1	1	723428	7431239
	0.1	1	724437	7431112
	0.1	1	723326	7431025
	0.1	1	724138	7431144
	0.1	1	724441	7431112
	0.1	1	724138	7431144
	0.1	1	724444	7431114
	0.1	1	724139	7431145
	0.1	2	724452	7431112
	0.1	2	725628	7431348
	0.1	3	724461	7431305
	0.1	1	723319	7430991
0.1	1	724255	7431154	
0.1	1	725528	7431368	
0.1	1	724152	7431174	
0.1	1	723527	7431113	
0.1	1	724443	7430987	
0.1	1	724208	7431149	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724272	7430929
	0.1	1	724531	7431346
	0.1	2	725640	7431371
	0.1	1	725534	7431355
	0.1	1	724181	7431085
	0.1	1	723551	7431144
	0.1	1	724561	7431034
	0.1	1	724140	7431149
	0.1	1	725623	7430966
	0.1	1	725528	7431318
	0.1	1	724316	7431079
	0.1	1	724191	7431889
	0.1	1	725635	7431373
	0.1	1	724156	7431140
	0.1	1	724572	7431024
	0.1	1	724343	7431106
	0.1	1	724461	7431372
	0.1	1	724424	7431339
	0.1	1	723527	7431140
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724566	7431021
	0.1	1	725523	7431303
	0.1	2	724370	7431027
	0.1	3	725445	7431333
	0.1	1	723435	7431027
	0.1	3	724492	7431164
	0.1	1	724190	7431095
	0.1	2	724097	7431167
	0.1	1	725617	7431379
	0.1	3	724466	7430962
	0.1	1	724551	7431025
	0.1	1	725529	7431253
	0.1	1	724497	7430905
	0.1	1	724240	7431168
	0.1	1	724489	7431169
	0.1	1	724326	7431107
	0.1	1	724482	7431233
	0.1	1	724158	7431161
	0.1	1	724246	7431164
	0.1	1	725532	7431251
	0.1	1	723465	7431011

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724311	7431116
	0.1	1	724321	7431164
	0.1	1	723537	7431104
	0.1	1	724377	7431020
	0.1	1	725613	7431380
	0.1	1	724008	7431006
	0.1	1	725454	7431465
	0.1	1	724271	7430930
	0.1	1	724172	7431107
	0.1	1	724156	7431184
	0.1	1	724454	7431155
	0.1	1	724494	7431171
	0.1	1	724193	7431148
	0.1	1	724172	7431172
	0.1	2	725532	7431228
	0.1	1	724460	7431115
	0.1	3	725602	7431303
	0.1	1	724449	7431301
	0.1	1	724249	7431163
	0.1	1	724540	7430985
	0.1	1	725526	7431219
	0.1	1	724225	7431156
	0.1	1	725528	7431221
	0.1	1	724227	7431156
	0.1	1	725450	7431230
	0.1	1	724254	7431158
	0.1	1	725542	7431197
	0.1	1	724253	7430935
	0.1	1	724525	7430892
	0.1	4	724511	7430916
	0.1	2	724442	7431096
	0.1	1	724169	7431111
	0.1	1	725516	7431210
	0.1	1	724235	7431144
0.1	1	724157	7431140	
0.1	1	724424	7431337	
0.1	1	723461	7430975	
0.1	1	725440	7431336	
0.1	1	724522	7430894	
0.1	1	725526	7431171	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	724222	7431147
	0.1	1	724097	7431166
	0.1	1	724132	7431140
	0.1	1	723547	7431134
	0.1	1	725526	7431166
	0.1	1	724158	7431186
	0.1	1	724167	7431167
	0.1	1	723561	7431166
	0.1	1	723324	7430976
	0.1	1	724167	7431134
	0.1	2	725605	7431653
	0.1	1	724533	7430950
	0.1	1	724389	7430944
	0.1	1	725526	7431165
	0.1	1	725614	7431410
	0.1	2	725522	7431135
	0.1	1	724450	7431295
	0.1	1	724270	7431182
	0.1	1	724536	7430955
	0.1	1	724218	7431132
	0.1	1	724459	7431284
	0.1	2	725595	7431524
	0.1	1	724272	7431174
	0.1	1	725509	7430931
	0.1	1	724376	7430925
	0.1	1	724148	7430922
	0.1	1	724216	7431123
	0.1	1	723522	7431035
	0.1	1	723464	7430921
	0.1	1	724167	7431136
	0.1	2	725588	7431177
	0.1	1	724191	7431132
	0.1	1	724451	7431301
	0.1	1	725381	7432150
0.1	1	724505	7431317	
0.1	1	725642	7431437	
0.1	1	724146	7430921	
0.1	1	724454	7431116	
0.1	1	724475	7431373	
0.1	2	725590	7431504	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	724532	7431000
	0.1	1	724158	7431188
	0.1	1	724211	7430996
	0.1	1	725450	7430986
	0.1	1	723330	7430986
	0.1	2	725456	7431838
	0.1	1	725451	7430984
	0.1	1	724481	7430962
	0.1	1	725457	7431247
	0.1	1	723460	7430921
	0.1	1	725604	7431485
	0.1	1	724162	7430922
	0.1	1	723551	7431163
	0.1	1	725456	7430983
	0.1	1	724087	7431164
	0.1	1	724179	7431131
	0.1	2	724206	7430974
	0.1	1	724378	7430911
	0.1	1	725600	7431557
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724530	7431050
	0.1	2	724220	7430966
	0.1	1	724265	7430924
	0.1	2	724222	7430968
	0.1	1	724274	7431031
	0.1	1	724226	7430930
	0.1	1	723373	7431294
	0.1	1	723355	7430956
	0.1	1	725474	7431551
	0.1	2	725440	7431238
	0.1	1	724382	7430908
	0.1	1	725630	7431630
	0.1	1	725600	7431299
	0.1	1	725595	7431403
	0.1	3	724473	7430944
	0.1	1	724184	7431133
	0.1	1	724271	7430965
	0.1	2	724161	7431187
	0.1	2	725466	7431205
	0.1	2	724192	7431137
	0.1	1	725601	7431400

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725620	7430965
	0.1	1	724510	7431410
	0.1	1	725606	7431402
	0.1	1	724102	7431209
	0.1	1	724524	7431145
	0.1	1	724266	7430965
	0.1	1	724195	7430929
	0.1	1	725455	7431228
	0.1	1	724377	7430905
	0.1	1	725545	7430943
	0.1	1	723551	7431161
	0.1	1	724148	7430995
	0.1	1	724255	7430918
	0.1	1	724185	7431134
	0.1	1	725613	7431404
	0.1	1	724347	7431163
	0.1	1	724524	7431314
	0.1	1	724518	7431146
	0.1	3	725599	7431322
	0.1	1	725444	7431090
	0.1	1	723528	7431099
	0.1	2	724268	7430964
	0.1	1	724469	7431172
	0.1	1	723364	7431088
	0.1	2	724524	7431159
	0.1	1	725550	7431224
	0.1	1	725604	7431376
	0.1	1	724523	7431168
	0.1	1	723430	7431239
	0.1	2	724203	7430980
	0.1	1	723371	7431085
	0.1	1	724506	7431189
	0.1	2	724444	7430945
	0.1	1	724151	7431014
	0.1	1	725641	7431086
	0.1	1	725561	7431313
0.1	1	723548	7431162	
0.1	1	724251	7430937	
0.1	1	724347	7431045	
0.1	1	724503	7431202	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724169	7430941
	0.1	3	724196	7430986
	0.1	1	725597	7431355
	0.1	1	724495	7430960
	0.1	1	725623	7431112
	0.1	1	725451	7431189
	0.1	1	724103	7431157
	0.1	1	725545	7431414
	0.1	1	724105	7431210
	0.1	1	723375	7431051
	0.1	1	724192	7430990
	0.1	1	725479	7431316
	0.1	1	724359	7431041
	0.1	1	723544	7431141
	0.1	1	725588	7431187
	0.1	1	724491	7430977
	0.1	1	724449	7430946
	0.1	1	725542	7431416
	0.1	1	724353	7431003
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724161	7431009
	0.1	1	724342	7431055
	0.1	1	725603	7431345
	0.1	2	725626	7431114
	0.1	1	725540	7431419
	0.1	1	724140	7431149
	0.1	1	725542	7431422
	0.1	1	724468	7430996
	0.1	1	724518	7431218
	0.1	1	724428	7431332
	0.1	1	724256	7430938
	0.1	1	724392	7431156
	0.1	1	725545	7430913
	0.1	2	724436	7431118
	0.1	1	724191	7430992
	0.1	1	724257	7430940
	0.1	2	725539	7431465
	0.1	1	724187	7431132
	0.1	1	724526	7431727
	0.1	1	724351	7430920
	0.1	1	723372	7431050

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724434	7431335
	0.1	1	725476	7431305
	0.1	1	724159	7431021
	0.1	1	724508	7431005
	0.1	2	724355	7430921
	0.1	1	724257	7430943
	0.1	1	724344	7431047
	0.1	1	724188	7431004
	0.1	2	725547	7430945
	0.1	1	725606	7431345
	0.1	1	724467	7431186
	0.1	1	724273	7430930
	0.1	1	725440	7431185
	0.1	2	724507	7431006
	0.1	1	725525	7431622
	0.1	2	724192	7430994
	0.1	1	723421	7430954
	0.1	1	725610	7431346
	0.1	1	725526	7431611
	0.1	1	724324	7430907
	0.1	1	725453	7431209
	0.1	6	724198	7430992
	0.1	1	725530	7431607
	0.1	1	724523	7431804
	0.1	1	724518	7431220
	0.1	1	724440	7431088
	0.1	1	724505	7431008
	0.1	1	723262	7431087
	0.1	1	724343	7431161
	0.1	1	724154	7431153
	0.1	1	725523	7431591
	0.1	1	724329	7430912
	0.1	1	724388	7431122
	0.1	1	724185	7431005
	0.1	1	725620	7431172
	0.1	1	724159	7431178
0.1	1	725453	7431206	
0.1	1	724486	7431687	
0.1	1	724207	7430991	
0.1	1	724334	7430912	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723382	7431024
	0.1	1	724478	7430992
	0.1	1	723552	7431143
	0.1	1	724332	7430926
	0.1	1	724250	7430937
	0.1	1	725511	7431553
	0.1	1	724332	7430929
	0.1	1	724178	7431136
	0.1	1	725464	7431221
	0.1	2	724452	7430968
	0.1	2	724330	7430931
	0.1	1	724251	7431059
	0.1	1	724206	7431043
	0.1	1	724108	7431185
	0.1	1	724272	7430947
	0.1	1	723264	7430946
	0.1	1	725507	7431546
	0.1	1	724491	7431086
	0.1	1	725524	7431523
	0.1	1	724185	7431006
	0.1	1	723429	7431032
	0.1	1	724325	7430934
	0.1	1	725620	7431292
	0.1	2	725585	7431337
	0.1	1	724259	7431071
	0.1	1	724194	7431128
	0.1	2	725583	7431332
	0.1	1	725524	7431522
	0.1	1	723329	7431063
	0.1	2	724488	7430997
	0.1	1	725534	7431465
	0.1	1	724341	7430940
	0.1	1	724470	7431191
0.1	1	723340	7430999	
0.1	1	724332	7430958	
0.1	1	724502	7431082	
0.1	1	725532	7431414	
0.1	1	724324	7430958	
0.1	1	723524	7431086	
0.1	1	724528	7431274	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724269	7430937
	0.1	1	724104	7431180
	0.1	1	724169	7431018
	0.1	1	725531	7431378
	0.1	1	725625	7431332
	0.1	1	725465	7431224
	0.1	1	723431	7431029
	0.1	2	724258	7431156
	0.1	1	724485	7431000
	0.1	1	723527	7431113
	0.1	1	724384	7431180
	0.1	1	723532	7431105
	0.1	1	724574	7431085
	0.1	1	724307	7430963
	0.1	1	724562	7431080
	0.1	1	724315	7430966
	0.1	1	725624	7430958
	0.1	1	723517	7431136
	0.1	1	724193	7431889
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724495	7431120
	0.1	1	724388	7431060
	0.1	1	725529	7431368
	0.1	1	724180	7431070
	0.1	1	724312	7430982
	0.1	1	725336	7431452
	0.1	2	723969	7431062
	0.1	1	723978	7431055
	0.1	1	723978	7431052
	0.1	1	723595	7431116
	0.1	3	725353	7431526
	0.1	1	723602	7431143
	0.1	1	725176	7431217
	0.1	1	725174	7431222
	0.1	1	725334	7431585
	0.1	1	723967	7431009
	0.1	1	725167	7431237
	0.1	1	723613	7431154
	0.1	1	725337	7431597
	0.1	2	723971	7431001
	0.1	1	725166	7431236

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725349	7431615
	0.1	1	725182	7431292
	0.1	2	723978	7430996
	0.1	1	723595	7431174
	0.1	1	725339	7431833
	0.1	2	723972	7430993
	0.1	1	723969	7430962
	0.1	3	725157	7431330
	0.1	1	723607	7431195
	0.1	1	725154	7431339
	0.1	1	725322	7431765
	0.1	1	725166	7431339
	0.1	1	725187	7431345
	0.1	1	725188	7431352
	0.1	1	725317	7431612
	0.1	1	723176	7431179
	0.1	1	725316	7431610
	0.1	1	723984	7430948
	0.1	1	725326	7431598
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723973	7430946
	0.1	1	725178	7431419
	0.1	1	723184	7431035
	0.1	1	723977	7430940
	0.1	1	725171	7431438
	0.1	1	723186	7431041
	0.1	1	723983	7430937
	0.1	1	723179	7431031
	0.1	1	725339	7431581
	0.1	2	723982	7430935
	0.1	1	725182	7431483
	0.1	1	725326	7431572
	0.1	1	725170	7431491
	0.1	1	725322	7431560
	0.1	2	723977	7430929
	0.1	1	725171	7431506
	0.1	1	723099	7431039
	0.1	1	725410	7431416
	0.1	1	725177	7431516
	0.1	1	725321	7431506
	0.1	1	725176	7431554

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725169	7431575
	0.1	1	723095	7431322
	0.1	1	725315	7431505
	0.1	2	723876	7430956
	0.1	3	725412	7431393
	0.1	2	725320	7431440
	0.1	2	723879	7430955
	0.1	1	725172	7431600
	0.1	1	725324	7431431
	0.1	2	723882	7430954
	0.1	1	725174	7431610
	0.1	1	725316	7431423
	0.1	1	723877	7430963
	0.1	1	725170	7431611
	0.1	1	723082	7431229
	0.1	1	725171	7431614
	0.1	1	725168	7431620
	0.1	1	723076	7431027
	0.1	1	725178	7431630
	0.1	1	725320	7431338
	0.1	1	723862	7430975
	0.1	1	725398	7431254
	0.1	1	723077	7430973
	0.1	2	725409	7431253
	0.1	1	725179	7431645
	0.1	1	725317	7431326
	0.1	4	723860	7430982
	0.1	1	723003	7431017
	0.1	2	725397	7431246
	0.1	1	723004	7431018
	0.1	2	725400	7431240
	0.1	2	725176	7431682
	0.1	1	723006	7431019
	0.1	4	723873	7431006
	0.1	2	725176	7431708
	0.1	1	723005	7431020
0.1	1	723007	7431021	
0.1	2	725406	7431219	
0.1	2	725181	7431769	
0.1	1	723007	7431020	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725416	7431222
	0.1	2	725175	7431815
	0.1	1	723010	7431016
	0.1	1	725259	7431218
	0.1	1	723870	7431040
	0.1	2	725174	7431824
	0.1	1	722993	7431291
	0.1	1	725260	7431217
	0.1	1	723870	7431043
	0.1	1	725398	7431192
	0.1	1	725163	7431852
	0.1	1	725409	7431185
	0.1	1	722985	7431307
	0.1	1	725256	7431221
	0.1	3	725258	7431220
	0.1	1	723876	7431075
	0.1	1	725259	7431216
	0.1	3	725261	7431216
	0.1	1	722937	7431225
	0.1	1	725256	7431212
	0.1	1	723879	7431097
	0.1	1	725403	7431134
	0.1	1	722935	7431225
	0.1	3	723863	7431099
	0.1	2	725405	7431124
	0.1	3	725258	7431210
	0.1	1	722948	7431273
	0.1	3	725258	7431208
	0.1	2	723848	7431201
	0.1	5	725393	7431125
	0.1	3	725257	7431207
	0.1	1	725257	7431208
	0.1	1	722920	7431244
0.1	1	725409	7431085	
0.1	1	725255	7431201	
0.1	1	723846	7431191	
0.1	1	722924	7431235	
0.1	1	725394	7431056	
0.1	1	722893	7431459	
0.1	1	725249	7431198	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725417	7431023
	0.1	3	725394	7430978
	0.1	1	725395	7430976
	0.1	1	722891	7431576
	0.1	1	725243	7431194
	0.1	1	725392	7430977
	0.1	1	723840	7431167
	0.1	1	725389	7430875
	0.1	1	722893	7431587
	0.1	1	725246	7431202
	0.1	2	723846	7431158
	0.1	2	725365	7430882
	0.1	2	723840	7431148
	0.1	1	725367	7430977
	0.1	1	725380	7431002
	0.1	1	725388	7431007
	0.1	2	723853	7431142
	0.1	1	725374	7431038
	0.1	1	725242	7431221
	0.1	1	723849	7431141
	0.1	1	725381	7431041
	0.1	1	725242	7431219
	0.1	1	725383	7431061
	0.1	1	725379	7431103
	0.1	1	723848	7431131
	0.1	4	725378	7431109
	0.1	1	725383	7431114
	0.1	1	725386	7431114
	0.1	1	723851	7431110
	0.1	1	725241	7431251
	0.1	2	725383	7431129
	0.1	1	725238	7431246
	0.1	1	723852	7431095
	0.1	1	725239	7431250
0.1	1	723849	7431093	
0.1	3	725384	7431137	
0.1	1	725259	7431261	
0.1	2	723840	7431093	
0.1	3	725243	7431267	
0.1	1	725364	7431172	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	723847	7431088
	0.1	1	725364	7431180
	0.1	1	725245	7431270
	0.1	1	723855	7431085
	0.1	2	725359	7431211
	0.1	1	725239	7431266
	0.1	2	725364	7431248
	0.1	2	725239	7431269
	0.1	2	723838	7431080
	0.1	1	723845	7431043
	0.1	1	723848	7431039
	0.1	1	725370	7431373
	0.1	1	725360	7431362
	0.1	1	725233	7431296
	0.1	2	723857	7431019
	0.1	1	725357	7431352
	0.1	1	725346	7431325
	0.1	1	725246	7431317
	0.1	1	725296	7431215
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725244	7431321
	0.1	1	723851	7430990
	0.1	1	725243	7431323
	0.1	3	723858	7430982
	0.1	3	723853	7430972
	0.1	1	725261	7431326
	0.1	2	723841	7430973
	0.1	1	725245	7431342
	0.1	2	723850	7430964
	0.1	2	725293	7431184
	0.1	1	725246	7431342
	0.1	2	723852	7430962
	0.1	1	725248	7431342
	0.1	4	725290	7431173
	0.1	4	725302	7431179
	0.1	1	725308	7431178
	0.1	1	725297	7431166
	0.1	1	723777	7430922
	0.1	1	725243	7431351
	0.1	2	723784	7430932
	0.1	1	725300	7431139

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725250	7431357
	0.1	2	723784	7430952
	0.1	1	725296	7431090
	0.1	1	725258	7431360
	0.1	2	723777	7430973
	0.1	1	723151	7431028
	0.1	1	725251	7431384
	0.1	1	723765	7430999
	0.1	1	725270	7430945
	0.1	1	723144	7430997
	0.1	1	725258	7431387
	0.1	1	725280	7431080
	0.1	1	723142	7430937
	0.1	1	725265	7431105
	0.1	3	723782	7431159
	0.1	1	725265	7431107
	0.1	2	725279	7431124
	0.1	1	723139	7430939
	0.1	1	723691	7431153
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723136	7430936
	0.1	1	725235	7431444
	0.1	1	725274	7431166
	0.1	1	723134	7430939
	0.1	1	725238	7431448
	0.1	1	723698	7431140
	0.1	1	723134	7430941
	0.1	1	725255	7431443
	0.1	1	723693	7431121
	0.1	1	723122	7430927
	0.1	1	723120	7430928
	0.1	2	725272	7431186
	0.1	1	723126	7431057
	0.1	1	723945	7431177
	0.1	1	725277	7431191
	0.1	1	723126	7431056
	0.1	1	723956	7431152
	0.1	1	723702	7431061
	0.1	1	725284	7431193
	0.1	4	725250	7431581
	0.1	1	723951	7431151

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	723126	7431057
	0.1	2	723688	7431051
	0.1	2	725267	7431187
	0.1	1	723126	7431057
	0.1	1	725254	7431590
	0.1	1	723687	7431051
	0.1	2	725264	7431184
	0.1	1	723949	7431126
	0.1	2	725250	7431624
	0.1	1	723131	7431074
	0.1	1	723948	7431121
	0.1	1	725244	7431644
	0.1	2	725259	7431169
	0.1	1	723133	7431073
	0.1	2	725246	7431644
	0.1	1	723696	7431041
	0.1	2	725252	7431146
	0.1	1	723946	7431120
	0.1	1	725248	7431644
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723687	7431024
	0.1	1	723134	7431076
	0.1	1	723947	7431112
	0.1	2	723692	7431007
	0.1	2	725194	7431030
	0.1	1	723137	7431077
	0.1	1	723951	7431104
	0.1	1	725251	7431662
	0.1	1	725188	7431021
	0.1	1	723955	7431082
	0.1	1	723692	7431005
	0.1	2	723697	7431000
	0.1	1	725178	7430879
	0.1	1	725252	7431702
	0.1	1	723953	7431053
	0.1	1	725239	7431750
	0.1	1	725177	7430908
	0.1	1	723050	7431121
	0.1	1	723956	7431051
	0.1	1	725245	7431802
	0.1	3	725157	7430978

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725245	7431844
	0.1	1	723055	7431014
	0.1	1	725244	7431847
	0.1	1	725392	7431883
	0.1	1	723953	7430942
	0.1	1	725242	7431848
	0.1	1	723710	7430960
	0.1	1	725407	7431877
	0.1	1	723040	7431020
	0.1	1	723949	7430930
	0.1	1	725236	7431842
	0.1	1	723038	7431008
	0.1	1	724119	7430900
	0.1	1	723689	7430964
	0.1	1	725219	7431656
	0.1	1	723693	7430936
	0.1	1	723043	7430951
	0.1	1	724109	7430934
	0.1	1	723701	7430926
	0.1	2	725399	7431535
	0.1	3	725218	7431654
	0.1	1	725389	7431542
	0.1	1	724131	7430963
	0.1	1	725217	7431649
	0.1	1	723018	7430964
	0.1	3	723674	7431079
	0.1	1	725218	7431646
	0.1	1	725397	7431516
	0.1	1	725230	7431655
	0.1	1	725396	7431509
	0.1	1	724125	7430979
	0.1	1	725229	7431645
	0.1	1	725400	7431508
	0.1	1	724128	7430977
0.1	1	725223	7431625	
0.1	1	723684	7431124	
0.1	1	725403	7431505	
0.1	1	724132	7430976	
0.1	1	725228	7431570	
0.1	1	723673	7431130	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725400	7431502
	0.1	1	723011	7431017
	0.1	2	723672	7431137
	0.1	1	725391	7431503
	0.1	1	723007	7431022
	0.1	1	723007	7431020
	0.1	1	725222	7431497
	0.1	2	723676	7431149
	0.1	1	724117	7431010
	0.1	1	723680	7431149
	0.1	1	724128	7431050
	0.1	1	723676	7431153
	0.1	1	725393	7431456
	0.1	1	723026	7431181
	0.1	1	724128	7431118
	0.1	1	725229	7431390
	0.1	1	723675	7431166
	0.1	1	725387	7431444
	0.1	1	725226	7431377
	0.1	1	723678	7431180
	0.1	1	725381	7431433
	0.1	1	724128	7431181
	0.1	1	725372	7431428
	0.1	1	724135	7431189
	0.1	1	724135	7431191
	0.1	1	723667	7431197
	0.1	3	725233	7431348
	0.1	1	723677	7431214
	0.1	1	725368	7431421
	0.1	1	724127	7431189
	0.1	1	723675	7431243
	0.1	1	725366	7431423
	0.1	1	725223	7431301
	0.1	1	724027	7431170
0.1	1	723649	7431162	
0.1	1	725355	7431434	
0.1	1	724027	7431164	
0.1	1	725357	7431438	
0.1	1	724024	7431166	
0.1	1	723656	7431165	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725359	7431442
	0.1	1	724025	7431167
	0.1	1	725220	7431219
	0.1	1	725365	7431479
	0.1	1	725369	7431480
	0.1	1	724037	7431067
	0.1	2	723659	7431172
	0.1	3	725371	7431494
	0.1	1	725230	7431189
	0.1	1	725367	7431506
	0.1	2	723646	7431163
	0.1	1	725235	7431190
	0.1	1	725378	7431521
	0.1	1	725233	7431183
	0.1	1	723641	7431160
	0.1	1	725364	7431521
	0.1	1	724021	7430939
	0.1	1	725235	7431172
	0.1	5	725358	7431527
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725159	7431020
	0.1	1	723635	7431159
	0.1	1	724028	7430913
	0.1	2	725158	7431016
	0.1	1	725366	7431546
	0.1	1	723918	7430920
	0.1	1	725153	7431014
	0.1	1	723932	7430920
	0.1	1	725151	7431014
	0.1	1	723924	7430924
	0.1	1	725153	7431011
	0.1	2	725366	7431576
	0.1	1	723926	7430930
	0.1	2	725356	7431584
	0.1	1	725145	7431023
	0.1	2	723645	7431137
	0.1	2	725369	7431593
	0.1	1	723914	7430930
	0.1	1	725162	7431038
	0.1	1	723658	7431099
	0.1	1	725364	7431610

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725369	7431726
	0.1	1	723920	7430949
	0.1	1	725145	7431109
	0.1	1	723659	7431093
	0.1	1	723653	7431074
	0.1	2	725287	7431889
	0.1	1	725146	7431125
	0.1	1	725295	7431825
	0.1	1	723912	7430994
	0.1	1	725148	7431125
	0.1	1	723650	7431056
	0.1	1	725159	7431148
	0.1	1	723649	7431054
	0.1	1	723926	7431016
	0.1	1	725149	7431151
	0.1	3	723647	7431034
	0.1	1	725304	7431736
	0.1	1	725153	7431174
	0.1	1	725302	7431708
	0.1	1	723923	7431093
	0.1	2	725298	7431680
	0.1	1	723922	7431114
	0.1	2	725303	7431638
	0.1	1	723923	7431118
	0.1	1	725153	7431240
	0.1	2	723640	7431007
	0.1	1	723922	7431115
	0.1	2	725296	7431626
	0.1	1	723652	7431008
	0.1	1	723918	7431130
	0.1	1	725159	7431243
	0.1	1	723656	7431004
	0.1	1	725301	7431602
	0.1	1	725146	7431306
0.1	2	723650	7430949	
0.1	1	723929	7431158	
0.1	1	725160	7431315	
0.1	1	723649	7430932	
0.1	1	725156	7431330	
0.1	1	723933	7431181	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	3	725314	7431574
	0.1	1	723821	7431161
	0.1	1	723831	7431157
	0.1	2	725145	7431468
	0.1	1	723831	7431152
	0.1	1	723815	7431119
	0.1	2	725148	7431467
	0.1	1	723818	7431125
	0.1	1	723814	7431124
	0.1	2	725286	7431458
	0.1	1	725163	7431486
	0.1	1	725304	7431442
	0.1	1	723829	7431065
	0.1	1	725143	7431541
	0.1	1	725151	7431581
	0.1	2	725298	7431428
	0.1	1	723817	7431056
	0.1	1	725153	7431584
	0.1	1	723824	7431030
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725142	7431651
	0.1	2	725299	7431414
	0.1	1	723820	7431031
	0.1	1	725143	7431654
	0.1	1	725150	7431653
	0.1	2	725291	7431380
	0.1	1	723824	7430921
	0.1	2	725293	7431373
	0.1	1	725151	7431687
	0.1	2	725303	7431340
	0.1	1	725153	7431795
	0.1	1	725156	7431899
	0.1	1	725316	7431307
	0.1	1	723793	7430931
	0.1	1	725303	7431293
	0.1	1	723784	7430932
	0.1	1	725286	7431276
	0.1	1	723795	7430940
	0.1	1	723799	7430952
	0.1	2	725266	7431231
	0.1	1	723805	7430957

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	725261	7431233
	0.1	1	723804	7430962
	0.1	2	725261	7431239
	0.1	1	723793	7430965
	0.1	1	725268	7431247
	0.1	3	723789	7430966
	0.1	1	723788	7430968
	0.1	1	723802	7430968
	0.1	1	725269	7431257
	0.1	1	723753	7431121
	0.1	1	723138	7430997
	0.1	1	723648	7431149
	0.1	1	725146	7431188
	0.1	1	724067	7431021
	0.1	1	725371	7431428
	0.1	1	725333	7431080
	0.1	1	723790	7431011
	0.1	1	725300	7431114
	0.1	1	725309	7431303
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724063	7431046
	0.1	2	725198	7431038
	0.1	1	723638	7431136
	0.1	1	723961	7431054
	0.1	1	725272	7431714
	0.1	2	724075	7431012
	0.1	1	724134	7430963
	0.1	1	723671	7431138
	0.1	1	725212	7431222
	0.1	1	723653	7431161
	0.1	2	725290	7431407
	0.1	1	725297	7430906
	0.1	1	723632	7431201
	0.1	1	725249	7431359
	0.1	1	725160	7431104
	0.1	1	725303	7431750
	0.1	1	723684	7431149
	0.1	1	723783	7431158
	0.1	1	725241	7431845
	0.1	3	723676	7431081
	0.1	1	723617	7431131

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	725252	7431646
	0.1	4	725218	7431220
	0.1	1	723888	7431071
	0.1	1	725230	7431125
	0.1	2	725208	7431304
	0.1	2	723896	7431028
	0.1	1	724074	7431016
	0.1	1	723818	7430935
	0.1	1	725269	7431268
	0.1	1	723919	7430974
	0.1	1	723633	7431026
	0.1	1	723769	7430996
	0.1	1	725391	7431472
	0.1	1	725274	7431194
	0.1	1	723792	7430965
	0.1	1	725273	7431488
	0.1	1	723899	7431154
	0.1	1	724015	7430923
	0.1	1	724121	7431127
	0.1	1	723009	7430965
	0.1	2	725272	7431183
	0.1	2	723784	7430954
	0.1	1	723632	7431088
	0.1	1	723764	7430963
	0.1	1	723679	7431127
	0.1	1	725224	7431034
	0.1	2	725269	7431244
	0.1	1	723151	7431031
	0.1	1	725242	7431686
	0.1	1	723703	7430966
	0.1	1	725210	7431507
	0.1	1	724072	7431018
	0.1	1	725195	7431554
	0.1	1	725203	7431321
0.1	1	723949	7430947	
0.1	1	725247	7431384	
0.1	1	723039	7431035	
0.1	1	725407	7431553	
0.1	1	725249	7431419	
0.1	1	723615	7431186	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725235	7431193
	0.1	1	723691	7430961
	0.1	1	725425	7431516
	0.1	1	725372	7431423
	0.1	1	725279	7431688
	0.1	3	723712	7431023
	0.1	1	725266	7431421
	0.1	2	725203	7431865
	0.1	1	724039	7430995
	0.1	2	725412	7431214
	0.1	1	725224	7431289
	0.1	1	725237	7431065
	0.1	1	725222	7431704
	0.1	1	725148	7431188
	0.1	1	723744	7431039
	0.1	1	725425	7430978
	0.1	2	723908	7430998
	0.1	1	723731	7431051
	0.1	1	725259	7431426
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723651	7431029
	0.1	2	725270	7431190
	0.1	1	723732	7431191
	0.1	2	723950	7430951
	0.1	1	725223	7431704
	0.1	1	725415	7431809
	0.1	4	725200	7431207
	0.1	3	723703	7430988
	0.1	4	724075	7431147
	0.1	1	725302	7431850
	0.1	1	723779	7431049
	0.1	1	723661	7431103
	0.1	1	725357	7431170
	0.1	1	725222	7431207
	0.1	1	724071	7431118
	0.1	1	725327	7431078
	0.1	4	725300	7431450
	0.1	1	725134	7431222
	0.1	1	725168	7430901
	0.1	1	724075	7431140
	0.1	1	723646	7431016

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	723633	7431045
	0.1	1	725228	7431205
	0.1	1	723589	7430935
	0.1	2	723666	7431187
	0.1	1	725198	7430975
	0.1	1	723038	7431005
	0.1	1	725243	7431378
	0.1	1	725149	7431683
	0.1	1	723144	7431041
	0.1	1	723644	7431160
	0.1	3	723773	7431071
	0.1	1	725352	7431431
	0.1	1	723807	7430973
	0.1	1	725433	7430994
	0.1	1	725238	7431066
	0.1	1	725418	7431182
	0.1	1	725279	7431176
	0.1	1	725274	7431408
	0.1	2	723648	7431144
	0.1	1	723745	7431036
	0.1	1	723895	7431182
	0.1	1	723691	7431021
	0.1	1	723624	7431010
	0.1	1	725257	7431424
	0.1	1	723671	7431108
	0.1	1	723679	7430977
	0.1	1	725402	7431549
	0.1	2	724083	7431119
	0.1	3	725174	7430914
	0.1	1	725244	7431359
	0.1	2	725302	7431635
	0.1	2	725275	7431160
	0.1	1	725357	7431428
0.1	6	725196	7431692	
0.1	1	723783	7431158	
0.1	1	723909	7430968	
0.1	1	723985	7431113	
0.1	1	724019	7431011	
0.1	1	725264	7431256	
0.1	2	723686	7431050	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725155	7431236
	0.1	1	723723	7431196
	0.1	1	725423	7431163
	0.1	1	723703	7430985
	0.1	1	723704	7431055
	0.1	1	725270	7431559
	0.1	1	723639	7431004
	0.1	1	725161	7431808
	0.1	1	725344	7431392
	0.1	1	724039	7431063
	0.1	1	723628	7431063
	0.1	2	723693	7430950
	0.1	1	723750	7431117
	0.1	2	723599	7430974
	0.1	1	723893	7430968
	0.1	1	725199	7431523
	0.1	1	725238	7431078
	0.1	1	725234	7431359
	0.1	1	725271	7431672
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	725177	7431120
	0.1	1	725209	7431720
	0.1	1	724070	7430928
	0.1	1	723920	7431129
	0.1	1	725219	7431655
	0.1	1	724124	7430989
	0.1	1	725156	7431243
	0.1	1	723658	7431096
	0.1	1	725360	7431526
	0.1	1	723825	7430916
	0.1	1	725274	7431132
	0.1	1	725199	7431520
	0.1	1	723016	7431018
	0.1	1	725223	7431706
	0.1	2	725299	7431162
	0.1	1	725248	7431389
	0.1	1	725325	7431097
	0.1	3	723780	7430947
	0.1	2	725266	7431112
	0.1	1	725340	7431437
	0.1	1	725196	7431406

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725298	7431611
	0.1	5	725264	7431492
	0.1	1	723920	7430950
	0.1	1	723621	7430975
	0.1	1	723798	7430977
	0.1	1	723127	7431057
	0.1	1	723791	7431031
	0.1	1	725361	7431551
	0.1	1	725357	7431549
	0.1	1	723722	7430930
	0.1	1	724025	7430951
	0.1	1	725431	7431541
	0.1	1	725268	7431291
	0.1	1	723692	7431009
	0.1	1	725356	7431313
	0.1	1	723952	7430930
	0.1	1	725150	7431009
	0.1	1	723120	7431117
	0.1	1	723916	7430976
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	723688	7431046
	0.1	1	723047	7431021
	0.1	1	723594	7431011
	0.1	2	723857	7430927
	0.1	1	723945	7431068
	0.1	1	725276	7431075
	0.1	1	725272	7431373
	0.1	1	723743	7431036
	0.1	2	723659	7431187
	0.1	1	723926	7431160
	0.1	1	723751	7431068
	0.1	3	723963	7431149
	0.1	1	723785	7431158
	0.1	1	725318	7431257
	0.1	1	724131	7431190
	0.1	1	723705	7431097
	0.1	1	723956	7431134
	0.1	2	725241	7430873
	0.1	1	725279	7431339
	0.1	1	725202	7431574
	0.1	1	724084	7431122

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725356	7431073
	0.1	1	725196	7431402
	0.1	1	725274	7431179
	0.1	1	725392	7431570
	0.1	1	723916	7431026
	0.1	1	723802	7431176
	0.1	1	725298	7431600
	0.1	1	725380	7431533
	0.1	2	723703	7431059
	0.1	1	725144	7431110
	0.1	4	725295	7431417
	0.1	1	725217	7431499
	0.1	1	723789	7430921
	0.1	2	725272	7431232
	0.1	2	723724	7430925
	0.1	2	723909	7430972
	0.1	1	725413	7431309
	0.1	2	723599	7430969
	0.1	1	725347	7431437
	0.1	1	723006	7431019
	0.1	1	725231	7431412
	0.1	1	725246	7431346
	0.1	1	725217	7431646
	0.1	1	725176	7431059
	0.1	2	725395	7431538
	0.1	1	725244	7431584
	0.1	2	723703	7430954
	0.1	1	724069	7430965
	0.1	3	725229	7431361
	0.1	1	725431	7431426
	0.1	1	723903	7431133
	0.1	1	724033	7431175
	0.1	1	725269	7431256
	0.1	3	725389	7431496
	0.1	2	723784	7431006
	0.1	1	725312	7431587
0.1	2	724081	7431129	
0.1	1	723015	7430959	
0.1	1	725247	7431689	
0.1	1	725198	7431497	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725432	7431024
	0.1	1	723929	7431165
	0.1	1	725286	7431157
	0.1	2	723655	7431171
	0.1	1	723641	7431154
	0.1	1	725307	7431070
	0.1	1	725409	7431552
	0.1	1	723626	7431179
	0.1	1	723024	7431048
	0.1	1	723009	7430967
	0.1	2	725201	7431036
	0.1	1	723904	7431041
	0.1	1	724126	7430918
	0.1	1	723646	7430918
	0.1	1	725253	7431112
	0.1	2	723643	7431031
	0.1	1	723787	7430946
	0.1	1	723623	7430929
	0.1	1	724126	7430913
	0.1	1	725424	7431519
	0.1	1	723651	7431075
	0.1	3	725314	7431572
	0.1	1	723698	7431064
	0.1	1	725247	7431498
	0.1	1	723134	7431077
	0.1	1	725332	7431080
	0.1	1	723014	7430963
	0.1	1	723912	7430929
	0.1	2	725277	7431248
	0.1	1	725200	7431363
	0.1	1	725245	7431581
	0.1	3	723893	7431028
	0.1	1	725273	7431433
0.1	1	723620	7431016	
0.1	2	723668	7431182	
0.1	1	725423	7431298	
0.1	1	725156	7431332	
0.1	1	723594	7431045	
0.1	1	723944	7431128	
0.1	1	724071	7431130	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723751	7431119
	0.1	1	723035	7431005
	0.1	1	725305	7431309
	0.1	1	724072	7431120
	0.1	1	725227	7431287
	0.1	1	725335	7431390
	0.1	1	725321	7431128
	0.1	1	725426	7430865
	0.1	1	725273	7431791
	0.1	2	725277	7431182
	0.1	1	723837	7431084
	0.1	4	725280	7431507
	0.1	1	723942	7431116
	0.1	2	725211	7431031
	0.1	1	723911	7430955
	0.1	2	723854	7430928
	0.1	1	725381	7431505
	0.1	2	723951	7431152
	0.1	1	725266	7431353
	0.1	1	725154	7431338
	0.1	1	725167	7431144
	0.1	1	725253	7431380
	0.1	2	723706	7430964
	0.1	1	725233	7431178
	0.1	1	723925	7430931
	0.1	1	724073	7431142
	0.1	1	723895	7431215
	0.1	1	723122	7431073
	0.1	1	725421	7431535
	0.1	1	725296	7431533
	0.1	1	723138	7430939
	0.1	2	723673	7431150
	0.1	1	725208	7431166
	0.1	1	725340	7431053
0.1	2	723641	7431163	
0.1	1	725201	7431361	
0.1	1	723830	7431155	
0.1	1	723637	7431076	
0.1	1	723768	7430973	
0.1	2	725284	7431315	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725142	7431412
	0.1	1	725293	7431712
	0.1	1	723128	7431056
	0.1	1	723050	7431337
	0.1	1	723714	7430919
	0.1	4	725224	7431500
	0.1	1	725139	7431062
	0.1	2	725251	7431146
	0.1	1	725306	7431433
	0.1	1	723041	7431015
	0.1	1	723635	7431026
	0.1	1	725300	7431515
	0.1	1	723729	7431188
	0.1	1	723705	7430981
	0.1	1	723744	7431038
	0.1	1	723142	7430939
	0.1	1	725269	7431254
	0.1	1	723638	7431160
	0.1	1	724121	7431008
	0.1	1	723798	7431166
	0.1	2	724079	7431143
	0.1	1	724033	7431110
	0.1	1	724130	7430987
	0.1	1	723142	7430939
	0.1	2	723660	7431172
	0.1	1	723142	7430997
	0.1	1	725299	7431764
	0.1	1	723914	7430997
	0.1	1	725140	7431111
	0.1	1	725223	7431500
	0.1	1	723697	7431151
	0.1	1	723718	7430973
	0.1	1	723805	7431176
	0.1	2	723801	7431176
0.1	4	725300	7431497	
0.1	1	725330	7431079	
0.1	1	725433	7431012	
0.1	1	723138	7431078	
0.1	1	723049	7431336	
0.1	1	725302	7431001	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723648	7431148
	0.1	1	723901	7430933
	0.1	3	723660	7431167
	0.1	1	725258	7431421
	0.1	2	725443	7431220
	0.1	1	725248	7431347
	0.1	1	724070	7431087
	0.1	1	725208	7431366
	0.1	1	723136	7431074
	0.1	1	725141	7431520
	0.1	1	725147	7431468
	0.1	2	725347	7431041
	0.1	1	725241	7431405
	0.1	1	724076	7431125
	0.1	1	723728	7431080
	0.1	1	725273	7432022
	0.1	1	723141	7430937
	0.1	1	725302	7431287
	0.1	1	723708	7430961
	0.1	1	723721	7431196
	0.1	1	724123	7430987
	0.1	1	725249	7431495
	0.1	1	725303	7431485
	0.1	1	724114	7430967
	0.1	1	723944	7431072
	0.1	1	723615	7431165
	0.1	2	725433	7431421
	0.1	1	723719	7430914
	0.1	1	723021	7430967
	0.1	1	723922	7431037
	0.1	2	725201	7431858
	0.1	1	725383	7431538
	0.1	3	725255	7431161
0.1	3	725204	7431542	
0.1	1	723790	7431031	
0.1	1	725227	7431224	
0.1	1	723943	7431121	
0.1	1	723806	7431178	
0.1	2	725372	7431959	
0.1	1	723815	7431111	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723695	7431079
	0.1	1	723689	7431140
	0.1	1	725236	7431460
	0.1	3	725379	7431507
	0.1	1	725226	7431306
	0.1	1	725380	7431726
	0.1	1	725294	7431462
	0.1	1	723015	7430967
	0.1	1	725252	7431383
	0.1	1	725390	7431484
	0.1	1	723787	7430933
	0.1	1	724124	7430947
	0.1	1	725362	7431521
	0.1	3	723974	7431068
	0.1	1	723695	7431152
	0.1	1	725265	7431417
	0.1	2	725227	7431360
	0.1	1	725432	7431538
	0.1	1	723828	7431061
	0.1	2	725190	7431117
	0.1	1	725147	7431467
	0.1	1	724138	7430968
	0.1	1	725272	7431537
	0.1	1	725256	7431580
	0.1	1	725265	7431286
	0.1	1	725349	7431409
	0.1	1	723697	7431119
	0.1	1	725282	7431628
	0.1	1	723947	7430947
	0.1	1	725258	7431643
	0.1	1	723056	7431007
	0.1	1	725270	7431402
	0.1	1	723052	7430972
0.1	1	723698	7431001	
0.1	3	725290	7431457	
0.1	1	723652	7431072	
0.1	1	723586	7431026	
0.1	1	725253	7431388	
0.1	2	723623	7430995	
0.1	2	725257	7431163	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725202	7431146
	0.1	1	723634	7431027
	0.1	2	725358	7431043
	0.1	1	723641	7431156
	0.1	1	725300	7431082
	0.1	1	725299	7431169
	0.1	1	725159	7431484
	0.1	1	724068	7431010
	0.1	1	725219	7431478
	0.1	1	724014	7430926
	0.1	1	723005	7431021
	0.1	1	725245	7431821
	0.1	2	725265	7431178
	0.1	1	725253	7431582
	0.1	1	723746	7431033
	0.1	2	723725	7431059
	0.1	2	725316	7431938
	0.1	2	723967	7430963
	0.1	1	725254	7431107
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723601	7431195
	0.1	1	723077	7431492
	0.1	1	725394	7431300
	0.1	1	723964	7430963
	0.1	1	723754	7431116
	0.1	2	723602	7431214
	0.1	1	725329	7431612
	0.1	1	723968	7430960
	0.1	1	723075	7431494
	0.1	1	725278	7431452
	0.1	1	725175	7431597
	0.1	2	725424	7431220
	0.1	1	725320	7431612
	0.1	1	723986	7430954
	0.1	3	725417	7431407
	0.1	1	723731	7431058
	0.1	1	723865	7430948
	0.1	1	725251	7431344
	0.1	1	723983	7430952
	0.1	1	725416	7431178
	0.1	2	725353	7431175

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723752	7431117
	0.1	1	725184	7431374
	0.1	1	725318	7431507
	0.1	1	723099	7431269
	0.1	1	725177	7431572
	0.1	1	725416	7431416
	0.1	2	723876	7430940
	0.1	1	725275	7431442
	0.1	2	725204	7431730
	0.1	1	725186	7431402
	0.1	2	725317	7431509
	0.1	1	723175	7431178
	0.1	1	723724	7430944
	0.1	1	723101	7431233
	0.1	2	725413	7431414
	0.1	1	723751	7431120
	0.1	2	725196	7431401
	0.1	1	723869	7430941
	0.1	2	723886	7431069
	0.1	2	725243	7431340
	0.1	2	725297	7431183
	0.1	1	723096	7431115
	0.1	1	725336	7431595
	0.1	1	725422	7431218
	0.1	1	725257	7431427
	0.1	2	723978	7430926
	0.1	1	725326	7431559
	0.1	1	725337	7431584
	0.1	4	725407	7431435
	0.1	2	723892	7431041
	0.1	1	725398	7431424
	0.1	1	725176	7431444
	0.1	1	723750	7431118
0.1	1	723099	7431037	
0.1	1	725400	7431432	
0.1	1	725399	7431430	
0.1	1	725314	7431259	
0.1	1	723179	7430941	
0.1	1	723980	7430937	
0.1	2	725208	7431820	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	724079	7430971
	0.1	2	725186	7431904
	0.1	1	723901	7431183
	0.1	1	723897	7431037
	0.1	1	725323	7431260
	0.1	1	723730	7431044
	0.1	1	723621	7431179
	0.1	1	725251	7431115
	0.1	1	724083	7430972
	0.1	1	723712	7431020
	0.1	1	725360	7431324
	0.1	1	723620	7431180
	0.1	1	724087	7430974
	0.1	1	723733	7430933
	0.1	1	723907	7431043
	0.1	1	725242	7430876
	0.1	2	724084	7430984
	0.1	1	723853	7431019
	0.1	1	725279	7431679
	0.1	1	723842	7431000
	0.1	1	725209	7431355
	0.1	1	725251	7431300
	0.1	1	723723	7430989
	0.1	1	723632	7431158
	0.1	2	725255	7431297
	0.1	2	725384	7431285
	0.1	1	725203	7431352
	0.1	1	725257	7431297
	0.1	1	725378	7431287
	0.1	1	725261	7431163
	0.1	1	723805	7431087
	0.1	2	723838	7431075
	0.1	1	725241	7431275
0.1	1	725350	7431140	
0.1	1	725379	7431264	
0.1	1	723732	7430935	
0.1	1	723885	7431139	
0.1	1	725202	7431341	
0.1	1	725352	7431245	
0.1	1	723844	7431077	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725240	7431266
	0.1	3	723882	7431187
	0.1	4	725370	7431217
	0.1	1	723734	7431147
	0.1	1	725209	7431335
	0.1	2	723851	7431076
	0.1	1	725365	7431216
	0.1	1	725264	7431304
	0.1	2	723851	7431079
	0.1	1	725241	7431266
	0.1	2	723855	7430957
	0.1	1	723629	7431081
	0.1	1	723805	7431088
	0.1	2	725213	7431034
	0.1	3	725249	7431342
	0.1	1	725244	7431269
	0.1	1	725204	7431314
	0.1	1	725266	7431305
	0.1	2	723843	7431086
	0.1	1	724074	7431034
	0.1	1	725376	7431157
	0.1	1	725267	7431670
	0.1	1	723809	7431117
	0.1	2	725210	7431311
	0.1	1	725218	7431013
	0.1	1	725345	7431279
	0.1	1	724070	7431037
	0.1	2	723841	7431096
	0.1	1	725253	7431258
	0.1	1	723897	7431206
	0.1	1	725379	7431135
	0.1	1	723631	7431045
	0.1	3	725271	7431305
	0.1	1	725223	7430873
0.1	2	725377	7431128	
0.1	1	723903	7431003	
0.1	2	725203	7431287	
0.1	1	724070	7431061	
0.1	1	725269	7431650	
0.1	1	723797	7431125	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	725339	7431243
	0.1	2	725197	7431277
	0.1	2	723847	7431098
	0.1	1	723631	7431033
	0.1	1	725241	7431249
	0.1	1	725230	7430869
	0.1	1	724076	7431072
	0.1	2	723860	7430961
	0.1	2	723895	7431211
	0.1	2	725386	7431125
	0.1	2	725189	7431258
	0.1	1	723853	7431109
	0.1	1	725159	7430969
	0.1	1	725390	7431112
	0.1	1	725191	7431492
	0.1	2	725283	7431309
	0.1	1	725249	7431343
	0.1	1	725257	7431246
	0.1	2	725347	7431075
	0.1	1	723731	7430922
	0.1	2	725192	7431254
	0.1	1	723848	7431110
	0.1	1	723717	7431105
	0.1	2	724071	7431093
	0.1	1	725259	7431235
	0.1	1	725263	7431645
	0.1	1	723806	7431157
	0.1	1	725193	7431241
	0.1	2	723849	7430930
	0.1	1	723842	7431118
	0.1	1	725258	7431232
	0.1	1	725426	7431555
	0.1	2	724070	7431099
	0.1	1	725240	7431314
0.1	1	725378	7431114	
0.1	1	725192	7431235	
0.1	1	723850	7431124	
0.1	1	725419	7431551	
0.1	1	724068	7431101	
0.1	1	725241	7431233	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723787	7431156
	0.1	2	723856	7431017
	0.1	1	725211	7431233
	0.1	1	725237	7431223
	0.1	1	725236	7431060
	0.1	1	725420	7431553
	0.1	3	724063	7431101
	0.1	1	723912	7430928
	0.1	1	723843	7431133
	0.1	1	725207	7431565
	0.1	1	725241	7431225
	0.1	1	723632	7430987
	0.1	1	725422	7431550
	0.1	2	725287	7431316
	0.1	1	725272	7431641
	0.1	2	725286	7431179
	0.1	3	723840	7431138
	0.1	1	725244	7431226
	0.1	1	723890	7431073
	0.1	1	723626	7430973
	0.1	1	725385	7431043
	0.1	1	723895	7431005
	0.1	1	725427	7431539
	0.1	1	723843	7431141
	0.1	1	725204	7431471
	0.1	1	723623	7430976
	0.1	3	725429	7431536
	0.1	2	724085	7431127
	0.1	4	725301	7431192
	0.1	1	725271	7431279
	0.1	4	725204	7431200
	0.1	2	725274	7431336
	0.1	2	725252	7431209
	0.1	1	725429	7431536
	0.1	1	723847	7431146
	0.1	1	725246	7431209
0.1	1	725277	7431630	
0.1	1	723709	7431091	
0.1	1	725205	7431174	
0.1	1	723914	7430928	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723620	7430972
	0.1	1	725429	7431537
	0.1	1	723844	7431147
	0.1	1	725248	7431207
	0.1	1	724079	7431126
	0.1	1	725270	7431781
	0.1	1	725281	7431337
	0.1	1	723807	7431076
	0.1	1	725208	7431169
	0.1	1	725248	7431204
	0.1	2	723911	7430970
	0.1	1	722840	7431744
	0.1	1	723903	7431144
	0.1	1	723757	7430932
	0.1	1	725434	7431457
	0.1	1	725196	7431440
	0.1	1	723628	7430924
	0.1	3	725244	7431193
	0.1	1	722907	7431653
	0.1	1	723844	7431170
	0.1	1	725339	7430967
	0.1	2	723858	7430961
	0.1	1	725269	7431863
	0.1	1	723594	7430927
	0.1	1	725435	7431538
	0.1	1	723790	7431163
	0.1	1	723849	7431169
	0.1	1	725245	7431192
	0.1	3	725209	7431148
	0.1	1	722888	7431464
	0.1	1	725436	7431536
	0.1	1	723847	7431169
	0.1	1	725246	7431187
	0.1	1	723891	7431008
0.1	3	724068	7431125	
0.1	1	722887	7431463	
0.1	1	725280	7431625	
0.1	2	725214	7431144	
0.1	1	723842	7431179	
0.1	1	723617	7431185	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723594	7430940
	0.1	1	725422	7431536
	0.1	2	723843	7431183
	0.1	2	725253	7431202
	0.1	1	725346	7430889
	0.1	2	725216	7431136
	0.1	2	725314	7431186
	0.1	2	723599	7430956
	0.1	1	725420	7431538
	0.1	4	725412	7431086
	0.1	3	723723	7431195
	0.1	1	723759	7430971
	0.1	2	725198	7431125
	0.1	1	722919	7431241
	0.1	1	723856	7431194
	0.1	1	725256	7431202
	0.1	1	725275	7431622
	0.1	1	725399	7431087
	0.1	3	725307	7431190
	0.1	2	723603	7430971
	0.1	1	725261	7431351
	0.1	2	723853	7431194
	0.1	1	723741	7431081
	0.1	1	725254	7431206
	0.1	1	725269	7431833
	0.1	1	725183	7431111
	0.1	1	722920	7431245
	0.1	1	725394	7431100
	0.1	3	723896	7430911
	0.1	1	723810	7431170
	0.1	1	723853	7431199
	0.1	1	723747	7431034
	0.1	1	725190	7431076
	0.1	1	722924	7431248
	0.1	2	723608	7431008
	0.1	2	725390	7431125
0.1	1	723853	7431202	
0.1	2	724072	7431147	
0.1	2	725196	7431650	
0.1	1	722924	7431356	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725268	7431596
	0.1	1	723714	7430991
	0.1	1	725423	7431407
	0.1	2	725344	7431244
	0.1	1	724061	7431157
	0.1	5	725401	7431123
	0.1	1	725263	7431372
	0.1	1	725170	7431054
	0.1	1	723873	7431198
	0.1	2	724056	7431165
	0.1	1	722946	7431240
	0.1	1	725424	7431388
	0.1	1	723746	7431035
	0.1	1	725159	7431057
	0.1	1	725257	7431212
	0.1	1	725204	7431432
	0.1	1	723893	7431014
	0.1	1	723595	7431033
	0.1	1	725327	7431068
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724071	7431167
	0.1	1	725272	7431568
	0.1	1	725401	7431138
	0.1	3	725162	7431114
	0.1	1	723605	7431032
	0.1	1	723881	7431085
	0.1	1	725240	7431325
	0.1	1	725325	7431245
	0.1	1	722941	7431223
	0.1	1	725404	7431141
	0.1	1	723601	7431045
	0.1	2	723876	7431078
	0.1	1	723617	7431187
	0.1	1	723983	7431114
	0.1	1	723738	7431086
	0.1	1	725174	7431131
	0.1	2	725288	7431181
	0.1	1	723612	7431050
	0.1	1	722942	7431225
	0.1	1	725406	7431147
	0.1	1	725341	7431447

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725435	7431002
	0.1	1	725172	7431135
	0.1	1	723593	7431038
	0.1	1	722948	7431101
	0.1	1	725339	7431453
	0.1	2	725412	7431179
	0.1	1	723876	7431073
	0.1	1	723975	7431102
	0.1	4	725254	7431222
	0.1	1	725176	7431136
	0.1	1	722954	7431077
	0.1	1	725339	7431287
	0.1	1	725412	7431182
	0.1	1	723897	7431013
	0.1	1	725337	7431452
	0.1	1	725262	7431383
	0.1	1	723728	7430952
	0.1	1	723880	7431062
	0.1	1	723597	7431048
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723871	7431045
	0.1	1	725175	7431151
	0.1	5	725258	7431222
	0.1	1	725264	7431284
	0.1	1	723604	7431054
	0.1	1	725341	7431486
	0.1	2	723969	7431054
	0.1	1	722996	7431646
	0.1	1	723745	7431034
	0.1	1	725174	7431166
	0.1	1	723805	7431175
	0.1	2	725332	7431250
	0.1	1	723605	7431052
	0.1	1	725342	7431493
	0.1	3	725412	7431215
	0.1	1	725179	7431177
	0.1	1	725306	7431188
	0.1	1	723597	7431079
	0.1	1	725347	7431520
	0.1	1	725275	7431389
	0.1	2	723876	7431015

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	725261	7431219
	0.1	1	725168	7431196
	0.1	3	723876	7431017
	0.1	1	725262	7431218
	0.1	1	723976	7431046
	0.1	2	725168	7431733
	0.1	2	725407	7431222
	0.1	2	725430	7431269
	0.1	1	725176	7431216
	0.1	1	723874	7431014
	0.1	1	725318	7431320
	0.1	2	725346	7431534
	0.1	1	723980	7431029
	0.1	2	725399	7431237
	0.1	1	725319	7431323
	0.1	1	725426	7431084
	0.1	1	723617	7431187
	0.1	1	723608	7431144
	0.1	2	725438	7431237
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	723875	7431001
	0.1	1	725348	7431574
	0.1	1	725318	7431323
	0.1	3	723977	7431020
	0.1	2	725177	7431661
	0.1	1	725275	7431405
	0.1	1	725236	7431074
	0.1	1	723606	7431146
	0.1	1	723750	7431122
	0.1	1	725356	7431583
	0.1	1	723871	7430989
	0.1	2	723983	7431017
	0.1	1	725314	7431326
	0.1	1	725438	7431103
	0.1	1	724074	7430942
	0.1	1	725171	7431236
	0.1	1	725173	7431648
	0.1	1	725404	7431249
	0.1	3	725320	7431255
	0.1	1	723606	7431149
	0.1	3	725439	7431236

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	723843	7430974
	0.1	1	723004	7430966
	0.1	3	723864	7430980
	0.1	2	725206	7431725
	0.1	1	725321	7431328
	0.1	1	725179	7431635
	0.1	1	723599	7431156
	0.1	1	725359	7431612
	0.1	1	723974	7430996
	0.1	1	725273	7431478
	0.1	1	725162	7431253
	0.1	1	723080	7430997
	0.1	1	723602	7431160
	0.1	1	725410	7431273
	0.1	1	723751	7431122
	0.1	2	723974	7430995
	0.1	1	723867	7430977
	0.1	1	725322	7431397
	0.1	1	723716	7431015
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725395	7431286
	0.1	2	723601	7431165
	0.1	1	725348	7431804
	0.1	1	723882	7430973
	0.1	1	725309	7431415
	0.1	1	723077	7431031
	0.1	1	725427	7431116
	0.1	1	725169	7431320
	0.1	1	725390	7431289
	0.1	1	723738	7430979
	0.1	1	723880	7430965
	0.1	1	725311	7431417
	0.1	1	725160	7431321
	0.1	1	723626	7431180
	0.1	1	725393	7431289
	0.1	2	723599	7431175
	0.1	1	725442	7431221
	0.1	1	725353	7432031
	0.1	1	725275	7431474
	0.1	1	725337	7431286
	0.1	2	725310	7431188

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	723081	7431478
	0.1	1	725403	7431293
	0.1	1	724691	7430887
	0.1	1	725004	7431209
	0.1	2	724799	7431297
	0.1	2	725080	7431382
	0.1	1	724914	7431855
	0.1	1	725066	7431290
	0.1	1	724900	7430976
	0.1	1	724850	7431559
	0.1	1	725121	7431417
	0.1	2	724960	7431104
	0.1	1	724946	7431308
	0.1	1	724927	7431391
	0.1	1	725007	7431593
	0.1	1	725074	7431358
	0.1	1	724950	7430914
	0.1	1	725117	7431635
	0.1	1	724828	7431192
	0.1	1	724797	7431538
	0.1	1	724574	7431657
	0.1	1	724941	7431068
	0.1	1	724847	7431517
	0.1	1	725128	7431183
	0.1	1	724804	7430992
	0.1	1	725134	7431174
	0.1	2	724729	7431185
	0.1	1	724796	7431291
	0.1	1	725017	7431465
	0.1	1	724949	7431440
	0.1	1	724931	7431178
	0.1	1	724851	7431165
	0.1	1	724790	7431494
0.1	1	724776	7430996	
0.1	1	724915	7430911	
0.1	1	725076	7431930	
0.1	1	724579	7431089	
0.1	1	724730	7431092	
0.1	1	725073	7431194	
0.1	1	724962	7430917	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724831	7431135
	0.1	1	724998	7431417
	0.1	2	725008	7431179
	0.1	1	725028	7431422
	0.1	1	724955	7431175
	0.1	1	725008	7430915
	0.1	2	724832	7431060
	0.1	1	724842	7431432
	0.1	1	724829	7431610
	0.1	1	725120	7431415
	0.1	1	724982	7431127
	0.1	1	724967	7431207
	0.1	1	725121	7431459
	0.1	1	724940	7431012
	0.1	1	725066	7431546
	0.1	1	724850	7431112
	0.1	1	724580	7431715
	0.1	1	725136	7431339
	0.1	1	724897	7430923
	0.1	1	725081	7431215
	0.1	1	724916	7431124
	0.1	1	725011	7431189
	0.1	1	724570	7430965
	0.1	1	724958	7430926
	0.1	1	724857	7431531
	0.1	1	725078	7431283
	0.1	2	724717	7431023
	0.1	1	724830	7431418
	0.1	1	724650	7431232
	0.1	1	724831	7431385
	0.1	1	725032	7431209
	0.1	1	725001	7431751
	0.1	1	725008	7431404
	0.1	1	725009	7431109
0.1	1	724721	7431064	
0.1	1	724817	7431156	
0.1	1	724923	7431165	
0.1	1	725112	7431265	
0.1	1	725016	7431236	
0.1	1	724730	7431086	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725005	7431433
	0.1	1	724723	7431033
	0.1	1	725129	7431231
	0.1	1	724806	7431181
	0.1	1	725119	7431700
	0.1	1	724653	7431177
	0.1	1	724961	7431386
	0.1	1	724584	7431713
	0.1	2	724965	7431102
	0.1	1	724957	7431174
	0.1	1	724941	7431366
	0.1	1	725118	7431520
	0.1	1	724794	7431281
	0.1	1	724857	7430928
	0.1	1	725020	7431345
	0.1	1	725062	7431300
	0.1	1	724833	7431419
	0.1	1	724941	7431182
	0.1	1	724831	7431173
	0.1	1	725010	7431663
	0.1	1	724924	7431162
	0.1	1	724799	7430976
	0.1	1	724566	7431086
	0.1	1	724641	7431228
	0.1	3	725082	7431618
	0.1	1	724843	7431084
	0.1	1	725005	7431216
	0.1	1	724734	7431169
	0.1	1	725074	7431410
	0.1	1	724855	7431529
	0.1	1	724573	7431291
	0.1	1	725024	7431423
	0.1	1	724961	7431176
	0.1	1	724993	7431288
0.1	1	724830	7431417	
0.1	1	725126	7431625	
0.1	1	724800	7431281	
0.1	1	724820	7431803	
0.1	1	724962	7431216	
0.1	2	724567	7431087	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	724844	7431554
	0.1	2	724853	7431464
	0.1	1	724819	7431046
	0.1	1	724581	7431139
	0.1	1	724947	7431452
	0.1	1	725081	7431516
	0.1	1	725057	7431893
	0.1	1	724994	7431435
	0.1	1	724932	7431358
	0.1	1	724841	7431680
	0.1	1	724975	7430879
	0.1	2	725005	7431159
	0.1	1	724851	7430976
	0.1	1	724852	7431539
	0.1	1	724928	7431140
	0.1	1	725009	7431130
	0.1	1	725018	7430926
	0.1	1	725118	7431210
	0.1	1	725105	7431454
	0.1	1	724821	7431601
	0.1	1	724774	7431233
	0.1	1	724951	7431111
	0.1	2	725095	7431655
	0.1	1	724958	7431674
	0.1	1	725019	7431039
	0.1	1	724644	7431140
	0.1	1	725125	7431288
	0.1	1	725070	7431229
	0.1	3	724993	7431660
	0.1	1	724793	7431571
	0.1	1	724776	7431167
	0.1	1	725012	7431227
	0.1	2	725075	7431372
	0.1	1	725124	7431232
0.1	1	724829	7431024	
0.1	2	724643	7431265	
0.1	1	724769	7431235	
0.1	1	724929	7431330	
0.1	1	725018	7431402	
0.1	1	724842	7431534	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724577	7431267
	0.1	1	724937	7431135
	0.1	1	724803	7431099
	0.1	1	725103	7431459
	0.1	1	724937	7431467
	0.1	1	724649	7431233
	0.1	1	724810	7431264
	0.1	1	725027	7431216
	0.1	1	724732	7431617
	0.1	1	725013	7430943
	0.1	1	724850	7431755
	0.1	1	724765	7431047
	0.1	1	725024	7431421
	0.1	1	724935	7430889
	0.1	1	724814	7431159
	0.1	1	724775	7430997
	0.1	1	724782	7431265
	0.1	1	724996	7431418
	0.1	1	725012	7431407
	0.1	1	724763	7431157
	0.1	1	724788	7430881
	0.1	1	725122	7431200
	0.1	1	725114	7431460
	0.1	1	725127	7431653
	0.1	1	725117	7431697
	0.1	1	725112	7431330
	0.1	1	725020	7431344
	0.1	3	724841	7431087
	0.1	1	724958	7431068
	0.1	1	725064	7431229
	0.1	1	725005	7431224
	0.1	1	725114	7431573
	0.1	1	724773	7431045
	0.1	1	724825	7431385
0.1	1	724952	7430934	
0.1	1	724908	7431766	
0.1	1	725118	7431461	
0.1	1	724838	7431562	
0.1	1	724694	7431036	
0.1	1	725025	7431354	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724929	7431330
	0.1	4	725001	7431308
	0.1	3	725071	7431516
	0.1	1	725121	7431609
	0.1	2	725100	7431621
	0.1	1	725137	7431337
	0.1	1	724715	7431022
	0.1	1	724831	7431017
	0.1	1	724584	7431089
	0.1	1	725130	7431654
	0.1	1	725122	7431494
	0.1	1	725065	7431300
	0.1	1	724842	7431550
	0.1	1	724721	7431061
	0.1	2	724578	7431141
	0.1	1	725119	7431459
	0.1	1	724944	7431183
	0.1	1	724649	7431269
	0.1	1	724827	7431384
	0.1	1	725090	7431715
	0.1	1	724912	7431123
	0.1	1	724797	7431201
	0.1	1	724575	7430972
	0.1	1	724956	7430882
	0.1	1	725078	7431166
	0.1	1	724994	7431931
	0.1	1	724802	7431433
	0.1	1	724842	7431327
	0.1	1	725013	7431410
	0.1	1	725073	7431722
	0.1	1	724966	7431098
	0.1	1	724896	7431009
	0.1	1	724998	7431967
0.1	1	724851	7431381	
0.1	1	724686	7430914	
0.1	1	725022	7431552	
0.1	1	725007	7430915	
0.1	1	725094	7431690	
0.1	1	725109	7431820	
0.1	1	724725	7430998	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724702	7431016
	0.1	1	725061	7431272
	0.1	1	724966	7431256
	0.1	1	724862	7431344
	0.1	1	724926	7431329
	0.1	2	725075	7431912
	0.1	1	724980	7431144
	0.1	1	724858	7431464
	0.1	1	725128	7431339
	0.1	1	724938	7431014
	0.1	1	724689	7431022
	0.1	2	724772	7431160
	0.1	1	724905	7431434
	0.1	1	724838	7431307
	0.1	2	724795	7431420
	0.1	1	725029	7430895
	0.1	1	724968	7431095
	0.1	1	724802	7431480
	0.1	1	725020	7431407
	0.1	1	725005	7431661
	0.1	1	725135	7431519
	0.1	1	724725	7431175
	0.1	1	725015	7431661
	0.1	1	724914	7430964
	0.1	1	725111	7431227
	0.1	1	724897	7430982
	0.1	1	724575	7431124
	0.1	1	724959	7431855
	0.1	1	724913	7431850
	0.1	1	724914	7431288
	0.1	1	725114	7431350
	0.1	3	724848	7431560
	0.1	3	724772	7431045
	0.1	1	724588	7430988
	0.1	3	724994	7431618
	0.1	1	724984	7431147
0.1	1	724805	7431145	
0.1	1	725080	7431843	
0.1	1	725093	7431713	
0.1	1	724778	7431262	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724846	7430974
	0.1	2	725077	7431377
	0.1	1	724722	7431614
	0.1	2	724850	7431004
	0.1	1	725013	7431441
	0.1	1	724790	7431655
	0.1	2	724733	7431093
	0.1	1	724819	7431177
	0.1	1	724731	7431431
	0.1	1	725036	7431172
	0.1	1	725027	7431117
	0.1	1	724960	7431173
	0.1	1	724914	7431289
	0.1	1	724836	7431145
	0.1	1	724995	7431543
	0.1	2	725102	7431672
	0.1	1	724717	7431212
	0.1	1	724963	7431337
	0.1	1	725008	7430919
	0.1	1	724814	7431548
	0.1	1	725020	7430923
	0.1	1	725132	7431523
	0.1	1	725096	7431709
	0.1	1	724952	7431115
	0.1	1	724851	7430977
	0.1	1	724925	7431289
	0.1	1	725120	7431357
	0.1	1	724990	7431717
	0.1	1	725027	7431118
	0.1	4	725009	7431302
	0.1	1	724953	7431098
	0.1	1	724927	7431675
	0.1	1	724784	7430990
0.1	1	724588	7430995	
0.1	1	724651	7431009	
0.1	1	725136	7431173	
0.1	1	724977	7431085	
0.1	1	725079	7431843	
0.1	1	724818	7431216	
0.1	1	725079	7431879	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724798	7431693
	0.1	1	724999	7431871
	0.1	1	724944	7431223
	0.1	1	724728	7431428
	0.1	1	724925	7431355
	0.1	1	724930	7431281
	0.1	1	725123	7431356
	0.1	1	724953	7431747
	0.1	2	725015	7431664
	0.1	1	724575	7430903
	0.1	1	724725	7431262
	0.1	1	724959	7431209
	0.1	1	724838	7431808
	0.1	1	724856	7431114
	0.1	1	724799	7431382
	0.1	1	724771	7431340
	0.1	1	724813	7431531
	0.1	1	724994	7431300
	0.1	1	724588	7431112
	0.1	1	724865	7431267
	0.1	2	724576	7431136
	0.1	1	725123	7431294
	0.1	1	724579	7431192
	0.1	1	724840	7431121
	0.1	1	724585	7430994
	0.1	1	725031	7431101
	0.1	1	724950	7431362
	0.1	1	724648	7431233
	0.1	1	724732	7431132
	0.1	1	724651	7431057
	0.1	2	724694	7430888
	0.1	1	724949	7431222
	0.1	1	724824	7431181
0.1	1	724850	7431499	
0.1	1	725004	7431599	
0.1	1	725003	7431736	
0.1	1	725117	7431220	
0.1	1	724952	7431117	
0.1	3	725002	7431658	
0.1	1	725074	7431730	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724998	7431796
	0.1	1	724833	7431522
	0.1	1	725027	7431409
	0.1	1	725006	7431846
	0.1	1	724789	7431203
	0.1	1	724810	7431373
	0.1	1	724656	7430899
	0.1	1	724714	7431449
	0.1	1	724919	7431356
	0.1	1	725128	7431362
	0.1	1	724823	7431352
	0.1	1	724846	7431237
	0.1	1	724584	7431003
	0.1	1	725028	7431226
	0.1	1	725135	7431334
	0.1	1	724727	7431745
	0.1	1	724931	7431689
	0.1	1	724827	7431516
	0.1	1	725087	7431845
	0.1	1	724774	7431285
	0.1	2	724825	7431117
	0.1	1	724715	7431006
	0.1	1	725013	7431417
	0.1	1	725026	7431281
	0.1	1	724828	7431201
	0.1	1	724933	7431101
	0.1	1	725003	7431202
	0.1	1	724773	7431133
	0.1	1	724967	7431076
	0.1	1	725133	7431243
	0.1	1	724575	7430921
	0.1	2	725097	7431616
	0.1	2	724824	7431116
0.1	1	724927	7431448	
0.1	1	724807	7431368	
0.1	2	724956	7431106	
0.1	2	724781	7430992	
0.1	1	724578	7431321	
0.1	1	724950	7431410	
0.1	1	724822	7430966	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724851	7430974
	0.1	1	725066	7431586
	0.1	2	725073	7431907
	0.1	1	725121	7431364
	0.1	1	724575	7431004
	0.1	1	725119	7431520
	0.1	1	724585	7431113
	0.1	1	724840	7431364
	0.1	1	724933	7431750
	0.1	1	725115	7431625
	0.1	1	724830	7431628
	0.1	1	724794	7431565
	0.1	1	724959	7431442
	0.1	1	724844	7431120
	0.1	1	724920	7430958
	0.1	1	724848	7431501
	0.1	1	724967	7431178
	0.1	1	725128	7431242
	0.1	1	725032	7431153
	0.1	1	724827	7431117
	0.1	1	724952	7431123
	0.1	1	724922	7431354
	0.1	1	725082	7431820
	0.1	2	724698	7430888
	0.1	1	725071	7431206
	0.1	1	725019	7430920
	0.1	1	724730	7431082
	0.1	1	724925	7431111
	0.1	1	724849	7431322
	0.1	1	725026	7431229
	0.1	1	725004	7431204
	0.1	3	724693	7431034
	0.1	1	724925	7431241
0.1	1	725003	7431451	
0.1	1	725062	7431352	
0.1	1	725002	7431196	
0.1	1	724564	7431038	
0.1	1	725016	7431410	
0.1	1	724648	7431168	
0.1	1	724828	7431115	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724977	7430927
	0.1	1	724844	7431751
	0.1	1	724933	7431464
	0.1	1	725017	7431627
	0.1	1	725120	7431668
	0.1	2	724729	7431032
	0.1	1	724930	7431689
	0.1	1	724767	7431257
	0.1	1	725135	7431333
	0.1	1	724765	7431013
	0.1	1	724951	7431409
	0.1	1	724722	7431007
	0.1	1	725022	7431551
	0.1	2	724776	7430997
	0.1	1	725125	7431629
	0.1	1	724844	7431436
	0.1	2	724958	7431105
	0.1	1	724965	7431162
	0.1	1	724912	7431227
	0.1	2	725013	7431663
	0.1	1	725098	7431801
	0.1	1	725119	7431697
	0.1	1	724958	7431442
	0.1	1	724848	7431505
	0.1	2	725109	7431632
	0.1	2	724977	7430926
	0.1	1	724946	7431163
	0.1	1	724971	7431175
	0.1	1	725085	7431144
	0.1	1	724909	7430913
	0.1	1	724990	7431331
	0.1	1	725004	7431206
	0.1	1	725064	7431267
	0.1	1	725077	7431889
0.1	1	725120	7431395	
0.1	1	724856	7431377	
0.1	1	725078	7431185	
0.1	1	724780	7431129	
0.1	1	725062	7431133	
0.1	1	725002	7430907	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724833	7431628
	0.1	1	724948	7431361
	0.1	1	725060	7431345
	0.1	1	725006	7430908
	0.1	2	724717	7431075
	0.1	1	725010	7431441
	0.1	1	724651	7430905
	0.1	1	724974	7430924
	0.1	1	724769	7431299
	0.1	1	724734	7431094
	0.1	1	724795	7431567
	0.1	1	724961	7431165
	0.1	3	725004	7431195
	0.1	1	724798	7431074
	0.1	1	725071	7431678
	0.1	1	724939	7431402
	0.1	1	724815	7430926
	0.1	1	724859	7431605
	0.1	1	725125	7431629
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725010	7431051
	0.1	1	724851	7431165
	0.1	1	724959	7431167
	0.1	1	724922	7431352
	0.1	1	724850	7431559
	0.1	1	724973	7430926
	0.1	1	725134	7431431
	0.1	2	725085	7431646
	0.1	1	724925	7431144
	0.1	1	725043	7431106
	0.1	1	724760	7431240
	0.1	1	724913	7431386
	0.1	1	722426	7432076
	0.1	1	725124	7431623
	0.1	1	724675	7431601
	0.1	1	724953	7431590
	0.1	1	724623	7431001
	0.1	1	724886	7431541
	0.1	1	724755	7431240
	0.1	1	722424	7432073
	0.1	1	724983	7431091

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	724995	7431146
	0.1	1	725090	7431523
	0.1	1	724575	7431220
	0.1	1	722424	7432078
	0.1	1	725095	7431104
	0.1	1	724954	7431601
	0.1	1	724818	7431167
	0.1	1	722426	7432087
	0.1	1	725121	7431125
	0.1	1	724866	7431544
	0.1	1	724849	7431627
	0.1	1	725101	7431111
	0.1	2	724993	7431143
	0.1	1	724635	7430896
	0.1	1	725051	7431328
	0.1	1	724906	7430974
	0.1	1	724762	7431178
	0.1	1	724577	7431215
	0.1	1	725122	7431608
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724966	7431668
	0.1	3	724817	7431169
	0.1	1	724903	7431246
	0.1	1	724633	7430900
	0.1	1	724973	7431284
	0.1	1	724665	7431493
	0.1	1	725005	7431145
	0.1	1	725123	7431124
	0.1	1	724864	7431541
	0.1	1	725108	7431685
	0.1	1	725049	7431320
	0.1	1	724756	7431101
	0.1	1	725013	7431351
	0.1	1	725096	7431122
	0.1	1	724582	7431214
	0.1	1	725120	7431606
	0.1	1	724748	7431092
	0.1	1	724815	7431548
	0.1	1	725102	7431129
	0.1	2	724819	7431170
	0.1	2	725101	7431803

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724916	7431253
	0.1	1	724629	7430901
	0.1	1	724675	7431291
	0.1	1	725102	7431126
	0.1	1	725118	7431124
	0.1	1	724586	7431204
	0.1	1	725120	7431602
	0.1	1	724950	7431685
	0.1	1	724970	7431283
	0.1	2	724625	7430901
	0.1	1	725091	7431680
	0.1	1	724756	7431092
	0.1	1	724583	7430997
	0.1	2	724820	7431172
	0.1	1	725002	7431118
	0.1	1	725036	7431261
	0.1	1	724754	7431092
	0.1	1	724871	7431509
	0.1	1	724625	7430888
	0.1	1	725113	7431578
	0.1	1	724980	7431084
	0.1	1	725115	7431142
	0.1	1	724817	7431173
	0.1	1	724998	7431116
	0.1	1	724607	7430892
	0.1	1	725034	7431228
	0.1	1	724585	7431173
	0.1	1	725124	7431118
	0.1	1	724872	7431507
	0.1	1	724658	7430895
	0.1	1	725114	7431576
	0.1	1	724604	7430968
	0.1	1	725030	7431218
	0.1	1	724751	7431080
0.1	1	724772	7431374	
0.1	1	724949	7431210	
0.1	1	724928	7431275	
0.1	1	725130	7431358	
0.1	1	724579	7431160	
0.1	1	725110	7431489	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724599	7430971
	0.1	1	725114	7431575
	0.1	1	725037	7431219
	0.1	1	724948	7431866
	0.1	1	725002	7431098
	0.1	1	724682	7431286
	0.1	1	724783	7431455
	0.1	1	724935	7430885
	0.1	1	724989	7431329
	0.1	1	724594	7430985
	0.1	1	724755	7431012
	0.1	1	724980	7431084
	0.1	1	725118	7431170
	0.1	2	724825	7431168
	0.1	1	725004	7431057
	0.1	1	725109	7431491
	0.1	1	724605	7430994
	0.1	1	724753	7431013
	0.1	1	724916	7431549
	0.1	1	725133	7431114
	0.1	1	724870	7431498
	0.1	1	724925	7431266
	0.1	1	725123	7431569
	0.1	1	724936	7430889
	0.1	1	725108	7431175
	0.1	1	725010	7431054
	0.1	1	724658	7431160
	0.1	1	724946	7431220
	0.1	1	725035	7431208
	0.1	1	724588	7431139
	0.1	1	725135	7431544
	0.1	1	725089	7431013
	0.1	1	724595	7431016
	0.1	2	724761	7430958
0.1	1	725110	7431122	
0.1	1	724869	7431488	
0.1	1	725095	7431180	
0.1	1	724981	7431079	
0.1	1	724580	7431139	
0.1	1	724595	7431046	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724922	7431265
	0.1	1	725128	7431364
	0.1	1	724649	7430893
	0.1	1	725099	7431468
	0.1	1	724894	7431290
	0.1	1	725039	7431200
	0.1	1	724757	7430948
	0.1	1	725100	7431180
	0.1	1	725128	7431534
	0.1	1	724927	7431490
	0.1	1	725113	7431111
	0.1	1	724870	7431483
	0.1	1	725109	7431230
	0.1	1	724826	7431203
	0.1	1	724590	7431057
	0.1	1	725006	7431046
	0.1	1	724578	7431139
	0.1	1	724573	7430998
	0.1	1	724588	7431060
	0.1	1	725103	7431192
	0.1	1	724654	7431143
	0.1	1	725119	7431545
	0.1	1	725004	7431019
	0.1	1	724784	7431443
	0.1	1	725038	7431197
	0.1	1	724790	7431064
	0.1	1	725095	7431198
	0.1	1	725110	7431544
	0.1	1	724918	7430957
	0.1	1	724914	7431288
	0.1	1	724589	7431078
	0.1	1	724869	7430966
	0.1	1	725098	7431201
	0.1	1	724986	7430951
0.1	1	724868	7430969	
0.1	1	725042	7431185	
0.1	1	724933	7431781	
0.1	1	724872	7431466	
0.1	1	724676	7430924	
0.1	1	724931	7431820	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725122	7431525
	0.1	1	724957	7431232
	0.1	1	724601	7431084
	0.1	2	724829	7431506
	0.1	1	724665	7431001
	0.1	1	725070	7431030
	0.1	1	724927	7431250
	0.1	1	725094	7431221
	0.1	1	724818	7431316
	0.1	1	725102	7431432
	0.1	1	725091	7431692
	0.1	1	724870	7430986
	0.1	1	725093	7431801
	0.1	1	724582	7431114
	0.1	1	725011	7431349
	0.1	1	724821	7431323
	0.1	1	724681	7431256
	0.1	1	724868	7430990
	0.1	1	725132	7431192
	0.1	1	725037	7431170
	0.1	1	724978	7431129
	0.1	1	724682	7431002
	0.1	1	725103	7431225
	0.1	1	724982	7431006
	0.1	1	724932	7431087
	0.1	1	724819	7431493
	0.1	1	724882	7431007
	0.1	1	724929	7431243
	0.1	1	724680	7431003
	0.1	1	724696	7431233
	0.1	1	724837	7431563
	0.1	1	724588	7431113
	0.1	1	724680	7431256
0.1	2	724679	7431017	
0.1	1	725132	7431090	
0.1	1	725124	7431375	
0.1	2	725109	7431232	
0.1	1	725087	7431695	
0.1	1	724829	7431361	
0.1	1	725007	7430917	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724692	7431230
	0.1	1	725053	7431177
	0.1	1	724572	7431006
	0.1	1	724676	7431019
	0.1	1	725128	7431276
	0.1	1	725091	7431423
	0.1	1	724902	7431334
	0.1	1	724587	7431111
	0.1	1	724941	7431103
	0.1	1	724937	7431394
	0.1	1	724961	7431343
	0.1	1	724875	7431053
	0.1	1	725049	7431171
	0.1	1	724679	7431256
	0.1	1	725096	7431240
	0.1	1	725127	7431079
	0.1	1	724877	7431330
	0.1	1	724586	7431108
	0.1	3	724612	7431122
	0.1	1	724687	7431025
	0.1	1	724921	7431105
	0.1	1	724975	7430927
	0.1	1	724602	7431142
	0.1	1	724836	7431374
	0.1	1	724903	7431339
	0.1	1	725112	7431812
	0.1	1	724883	7431081
	0.1	1	725051	7431167
	0.1	1	724670	7431085
	0.1	1	725028	7431667
	0.1	1	724928	7431473
	0.1	1	725004	7430907
	0.1	1	724568	7431104
0.1	1	725045	7431165	
0.1	1	724673	7431082	
0.1	1	725119	7431076	
0.1	2	724826	7431479	
0.1	1	725113	7431250	
0.1	1	724657	7431126	
0.1	1	725122	7431463	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725112	7431330
	0.1	1	725129	7431388
	0.1	1	724829	7431383
	0.1	1	724604	7431184
	0.1	1	724882	7431132
	0.1	1	725071	7431028
	0.1	1	724604	7431188
	0.1	1	724882	7431133
	0.1	1	724676	7431258
	0.1	1	724672	7431090
	0.1	1	725115	7431077
	0.1	1	724870	7431328
	0.1	1	725106	7431247
	0.1	1	724988	7430905
	0.1	1	724591	7431196
	0.1	1	724790	7431027
	0.1	1	725101	7431250
	0.1	1	724991	7431317
	0.1	1	724598	7431196
	0.1	1	724834	7431462
	0.1	1	724877	7431131
	0.1	1	724827	7431729
	0.1	1	725041	7431151
	0.1	1	724667	7431088
	0.1	1	725095	7431390
	0.1	1	724903	7431366
	0.1	1	724911	7431853
	0.1	1	725098	7431696
	0.1	1	724989	7430905
	0.1	1	724870	7431148
	0.1	1	724913	7431843
	0.1	1	724982	7431377
	0.1	1	724586	7431096
0.1	1	724612	7431203	
0.1	1	724873	7431156	
0.1	1	725061	7431136	
0.1	1	724912	7431839	
0.1	1	724869	7431330	
0.1	1	724918	7431128	
0.1	1	724996	7430899	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724606	7431199
	0.1	2	725087	7431615
	0.1	1	724887	7431153
	0.1	1	725124	7431390
	0.1	1	724914	7431835
	0.1	1	724565	7431037
	0.1	1	724602	7431206
	0.1	1	724933	7431467
	0.1	2	724585	7431095
	0.1	2	725096	7431267
	0.1	1	724934	7431130
	0.1	1	725084	7431024
	0.1	1	724979	7431383
	0.1	1	724670	7431247
	0.1	1	725087	7431013
	0.1	1	724826	7431389
	0.1	1	724801	7431123
	0.1	1	725128	7431232
	0.1	1	724599	7431216
	0.1	1	724865	7431164
	0.1	1	725028	7431118
	0.1	1	725008	7431340
	0.1	1	724895	7431802
	0.1	2	725096	7431269
	0.1	1	724578	7431078
	0.1	1	725097	7431382
	0.1	1	724592	7431266
	0.1	1	724654	7431115
	0.1	1	724867	7431169
	0.1	1	725031	7431111
	0.1	1	724823	7431395
	0.1	1	724661	7431241
	0.1	2	725097	7431272
	0.1	1	724645	7431246
	0.1	1	724876	7431303
	0.1	1	724576	7431083
0.1	1	725052	7431113	
0.1	1	725087	7431763	
0.1	1	724669	7431173	
0.1	1	725101	7431696	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724984	7431908
	0.1	1	724830	7431457
	0.1	1	725098	7431274
	0.1	1	724927	7431216
	0.1	1	724914	7431386
	0.1	1	724606	7431287
	0.1	1	725051	7431113
	0.1	1	724968	7431646
	0.1	1	724824	7431396
	0.1	1	725047	7431113
	0.1	1	724966	7431627
	0.1	1	725073	7431027
	0.1	1	724906	7431767
	0.1	1	725090	7431279
	0.1	1	724656	7431102
	0.1	2	724566	7431036
	0.1	1	724593	7431340
	0.1	1	725135	7431171
	0.1	1	724878	7431197
	0.1	1	725031	7431108
	0.1	1	724825	7431448
	0.1	1	724669	7431171
	0.1	1	724924	7431877
	0.1	1	724898	7431729
	0.1	1	725125	7431276
	0.1	1	725087	7431283
	0.1	1	724771	7431435
	0.1	1	724990	7431410
	0.1	1	724905	7431707
	0.1	1	725100	7431287
	0.1	1	724852	7431607
	0.1	1	724971	7430894
	0.1	1	724879	7431213
	0.1	1	724968	7431582
0.1	1	724928	7431214	
0.1	1	725118	7431425	
0.1	1	724911	7431391	
0.1	1	725047	7431041	
0.1	1	724676	7431192	
0.1	1	724996	7431566	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	721826	7431765
	0.1	1	724901	7431686
	0.1	1	724666	7431227
	0.1	1	725104	7431296
	0.1	1	725110	7431052
	0.1	1	725131	7431428
	0.1	1	724981	7430899
	0.1	1	724867	7431216
	0.1	1	725044	7431037
	0.1	1	724675	7431195
	0.1	1	721975	7432034
	0.1	1	724903	7431655
	0.1	1	725104	7431304
	0.1	1	724571	7431040
	0.1	1	724567	7431087
	0.1	1	725131	7431426
	0.1	2	724609	7431996
	0.1	1	724864	7431223
	0.1	1	724677	7431199
	0.1	1	724970	7431539
	0.1	1	721973	7432026
	0.1	1	724972	7431430
	0.1	1	724901	7431645
	0.1	1	724663	7431227
	0.1	1	725101	7431319
	0.1	1	724981	7430902
	0.1	1	725108	7431053
	0.1	1	724882	7431287
	0.1	1	724879	7431229
	0.1	1	722227	7432353
	0.1	1	724567	7431083
	0.1	1	724926	7431168
	0.1	1	724865	7431266
	0.1	1	725041	7431026
	0.1	1	724683	7431230
	0.1	1	724822	7431435
0.1	1	724978	7431479	
0.1	1	725102	7431704	
0.1	1	724906	7431398	
0.1	1	722226	7432353	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724897	7431623
	0.1	1	724831	7431420
	0.1	1	725052	7431008
	0.1	1	725091	7431334
	0.1	1	724963	7431438
	0.1	1	724808	7431001
	0.1	1	724663	7431219
	0.1	1	725122	7431039
	0.1	1	724577	7431062
	0.1	1	725120	7431416
	0.1	1	725131	7431333
	0.1	1	724940	7431398
	0.1	1	724679	7431222
	0.1	1	724990	7431447
	0.1	1	722323	7431867
	0.1	1	722260	7432468
	0.1	2	724907	7431479
	0.1	1	725095	7431333
	0.1	2	724835	7431423
	0.1	1	724962	7431439
	0.1	1	724703	7431053
	0.1	1	724693	7431254
	0.1	1	724962	7430927
	0.1	1	725132	7430970
	0.1	1	724878	7431281
	0.1	1	725076	7431027
	0.1	1	724578	7431058
	0.1	1	724876	7431278
	0.1	1	724976	7431442
	0.1	1	724942	7431226
	0.1	1	722329	7431868
	0.1	1	724905	7431437
	0.1	1	724926	7431210
0.1	3	725086	7431619	
0.1	1	724898	7430982	
0.1	1	725021	7431652	
0.1	1	724964	7431180	
0.1	1	725088	7431731	
0.1	1	724648	7431059	
0.1	1	725133	7431171	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724868	7431809
	0.1	1	724908	7431437
	0.1	1	725126	7431246
	0.1	1	724905	7430916
	0.1	1	724644	7431060
	0.1	1	724932	7431413
	0.1	1	724961	7431166
	0.1	1	724779	7431454
	0.1	1	725102	7431805
	0.1	1	725122	7431266
	0.1	1	724645	7431059
	0.1	1	724781	7431457
	0.1	1	725132	7431172
	0.1	1	724855	7431787
	0.1	1	725063	7430985
	0.1	1	724847	7431632
	0.1	1	725106	7431790
	0.1	1	724950	7431338
	0.1	1	724954	7431108
	0.1	1	724777	7431464
	0.1	2	724827	7431728
	0.1	1	725060	7430984
	0.1	1	724916	7431371
	0.1	2	724710	7431372
	0.1	1	725039	7431865
	0.1	2	725076	7431617
	0.1	1	724956	7431342
	0.1	1	724699	7431733
	0.1	1	724769	7431465
	0.1	1	725076	7430975
	0.1	1	724861	7431736
	0.1	1	724957	7431348
	0.1	1	724608	7431566
	0.1	1	724913	7430966
0.1	1	725085	7430962	
0.1	1	725120	7431803	
0.1	1	724882	7431012	
0.1	1	725002	7431295	
0.1	1	724858	7431736	
0.1	1	724636	7431526	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724762	7431485
	0.1	1	724944	7431318
	0.1	1	725080	7430957
	0.1	1	724955	7431356
	0.1	1	725116	7431182
	0.1	1	724871	7431780
	0.1	1	724765	7431505
	0.1	1	724576	7430957
	0.1	1	724993	7431383
	0.1	1	724837	7430988
	0.1	1	725113	7431666
	0.1	1	724770	7431509
	0.1	1	724816	7430996
	0.1	1	725043	7431763
	0.1	1	724780	7431503
	0.1	1	725088	7431600
	0.1	1	724898	7431031
	0.1	1	725079	7430925
	0.1	1	724819	7431000
	0.1	1	724998	7431264
	0.1	1	724647	7430892
	0.1	1	724624	7431328
	0.1	1	724786	7431512
	0.1	1	724855	7431788
	0.1	1	725128	7431662
	0.1	1	725050	7431760
	0.1	1	724782	7431545
	0.1	1	725110	7431175
	0.1	1	724884	7431757
	0.1	1	724828	7431021
	0.1	1	725003	7431257
	0.1	1	725136	7431333
	0.1	1	724789	7431550
0.1	1	724702	7431056	
0.1	1	724569	7430965	
0.1	1	725033	7431738	
0.1	1	724940	7431368	
0.1	1	725081	7430885	
0.1	1	725032	7431738	
0.1	1	725113	7431586	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724651	7431176
	0.1	1	724950	7431374
	0.1	1	725018	7431654
	0.1	3	724834	7431024
	0.1	1	725009	7431225
	0.1	1	724817	7431818
	0.1	2	724622	7431251
	0.1	2	724765	7431639
	0.1	1	724975	7431339
	0.1	1	725083	7430901
	0.1	1	724922	7431335
	0.1	1	725139	7431647
	0.1	1	724945	7431378
	0.1	1	724621	7431234
	0.1	1	725087	7430901
	0.1	2	725099	7431668
	0.1	1	724579	7431833
	0.1	1	725116	7431640
	0.1	1	725120	7431202
	0.1	1	724625	7431232
	0.1	1	724778	7431346
	0.1	1	725053	7431642
	0.1	1	725137	7431174
	0.1	1	724755	7431856
	0.1	1	724844	7431564
	0.1	1	724934	7431821
	0.1	1	724953	7431390
	0.1	1	725090	7430901
	0.1	1	724758	7431848
	0.1	1	725137	7431337
	0.1	1	725115	7431638
	0.1	1	725089	7431563
	0.1	1	724910	7431095
0.1	1	724818	7431055	
0.1	1	725053	7431628	
0.1	1	724762	7431849	
0.1	1	725079	7430975	
0.1	1	725009	7431215	
0.1	1	724651	7431317	
0.1	1	724627	7431227	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725052	7431623
	0.1	1	725115	7431637
	0.1	1	724945	7431399
	0.1	1	724625	7431215
	0.1	1	724762	7431537
	0.1	1	724581	7430970
	0.1	1	725010	7431212
	0.1	1	724624	7431209
	0.1	1	724652	7431175
	0.1	1	725091	7431561
	0.1	1	724899	7431120
	0.1	1	725052	7431617
	0.1	1	724981	7431132
	0.1	1	725081	7431123
	0.1	1	725084	7431013
	0.1	1	724652	7431389
	0.1	1	724940	7431402
	0.1	1	724833	7431065
	0.1	1	724759	7431535
	0.1	1	725120	7431210
	0.1	1	724575	7431615
	0.1	1	725118	7431633
	0.1	1	725044	7431573
	0.1	1	724821	7431096
	0.1	1	724661	7431171
	0.1	2	724637	7431190
	0.1	1	724967	7431101
	0.1	1	725014	7431354
	0.1	1	724818	7431602
	0.1	1	725043	7431555
	0.1	1	725092	7431024
	0.1	2	724568	7431495
	0.1	1	725103	7431552
	0.1	1	725117	7431630
	0.1	1	724845	7431567
0.1	1	724692	7431066	
0.1	1	724643	7431398	
0.1	1	724878	7431630	
0.1	1	725053	7431480	
0.1	1	724746	7431483	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	722203	7432550
	0.1	1	724568	7431461
	0.1	1	725092	7431041
	0.1	1	725116	7431629
	0.1	1	725049	7431424
	0.1	1	724752	7431439
	0.1	1	722203	7432546
	0.1	1	724977	7431285
	0.1	1	725097	7431541
	0.1	1	725110	7431038
	0.1	1	725101	7431675
	0.1	1	724578	7431388
	0.1	1	724622	7431142
	0.1	1	724633	7431525
	0.1	1	724761	7431401
	0.1	1	725082	7431134
	0.1	1	722256	7432203
	0.1	1	724820	7431573
	0.1	1	725117	7431629
	0.1	1	724953	7431434
	0.1	1	725095	7431534
	0.1	2	724896	7431131
	0.1	1	725002	7431202
	0.1	1	724632	7431119
	0.1	1	722260	7432469
	0.1	1	725056	7431398
	0.1	1	724764	7431380
	0.1	1	724862	7431577
	0.1	1	725109	7431051
	0.1	1	724577	7431313
	0.1	1	724656	7431171
	0.1	2	724695	7431234
	0.1	1	724631	7431096
0.1	1	725053	7431398	
0.1	1	724573	7430973	
0.1	1	722365	7431862	
0.1	1	725107	7431052	
0.1	1	724822	7431118	
0.1	1	724623	7431094	
0.1	1	725058	7431378	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724754	7431380
	0.1	1	725104	7431049
	0.1	1	724575	7431314
	0.1	1	724949	7431442
	0.1	1	724829	7431136
	0.1	1	725123	7431140
	0.1	1	724629	7431074
	0.1	1	725044	7431376
	0.1	1	724759	7431366
	0.1	3	725010	7431190
	0.1	3	724824	7431573
	0.1	1	725103	7431051
	0.1	1	724571	7431314
	0.1	1	725125	7431628
	0.1	1	724622	7431050
	0.1	1	725049	7431377
	0.1	1	724756	7431367
	0.1	3	725085	7431539
	0.1	2	724912	7431227
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725101	7431066
	0.1	1	724625	7431045
	0.1	1	724948	7431219
	0.1	1	724575	7431295
	0.1	1	724655	7431587
	0.1	1	724630	7431013
	0.1	1	725127	7431627
	0.1	1	724892	7431538
	0.1	1	724751	7431331
	0.1	1	722433	7432095
	0.1	1	725109	7431068
	0.1	1	724945	7431439
	0.1	1	724999	7431169
	0.1	1	724972	7431093
	0.1	2	724617	7431018
	0.1	1	725062	7431355
	0.1	1	724815	7431557
	0.1	1	725018	7431654
	0.1	1	725113	7431358
	0.1	1	724816	7431158
	0.1	1	724616	7431003

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724589	7430990
	0.1	1	722430	7432081
	0.1	1	725095	7431526
	0.1	1	725072	7431207
	0.1	1	724846	7431040
	0.1	1	725055	7431616
	0.1	1	724729	7431314
	0.1	1	725012	7431437
	0.1	1	724604	7431345
	0.1	1	725092	7431241
	0.1	1	724773	7431272
	0.1	1	725081	7430978
	0.1	1	725040	7431162
	0.1	1	725035	7431211
	0.1	1	724847	7431505
	0.1	1	725133	7431134
	0.1	1	722226	7432351
	0.1	1	724754	7431553
	0.1	1	724779	7430901
	0.1	1	724699	7431015
	0.1	1	724884	7431211
	0.1	1	724954	7431111
	0.1	1	724669	7431172
	0.1	1	724976	7431586
	0.1	1	724961	7431453
	0.1	1	724692	7431256
	0.1	1	725065	7431622
	0.1	1	724799	7431288
	0.1	1	724682	7431258
	0.1	1	724875	7431163
	0.1	1	725028	7431741
	0.1	1	724627	7431230
	0.1	1	724785	7431249
	0.1	1	724889	7431087
0.1	1	725000	7431563	
0.1	1	725097	7430964	
0.1	1	724955	7431211	
0.1	1	725124	7431092	
0.1	1	724863	7431470	
0.1	1	725094	7431178	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724885	7431754
	0.1	1	724729	7431089
	0.1	1	724857	7431493
	0.1	1	725027	7431121
	0.1	1	725055	7431640
	0.1	1	725119	7431166
	0.1	2	724625	7431230
	0.1	1	725034	7431221
	0.1	1	724596	7431347
	0.1	1	725070	7431006
	0.1	1	724683	7431222
	0.1	1	725104	7431132
	0.1	1	724866	7431270
	0.1	1	725124	7431119
	0.1	1	724593	7431062
	0.1	3	724803	7431478
	0.1	1	724946	7431096
	0.1	1	725031	7431177
	0.1	1	725033	7431924
	0.1	1	725074	7431614
	0.1	1	725044	7431109
	0.1	1	724868	7430972
	0.1	2	725112	7431143
	0.1	1	725056	7431215
	0.1	1	724721	7430909
	0.1	1	725080	7431479
	0.1	1	725010	7431438
	0.1	1	724783	7431719
	0.1	1	725114	7431066
	0.1	1	725046	7431639
	0.1	1	724885	7431305
	0.1	1	724670	7431173
	0.1	1	725099	7431520
0.1	1	721503	7431996	
0.1	1	724905	7431877	
0.1	1	724732	7431087	
0.1	1	724852	7431559	
0.1	1	724894	7431281	
0.1	4	725086	7431324	
0.1	1	724662	7431087	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725050	7431710
	0.1	2	724701	7431250
	0.1	1	725117	7431079
	0.1	1	724752	7431082
	0.1	1	724907	7431687
	0.1	1	725101	7431296
	0.1	1	724856	7431119
	0.1	1	725080	7430899
	0.1	1	724915	7431264
	0.1	1	724684	7430917
	0.1	1	724783	7431266
	0.1	1	725055	7431876
	0.1	1	724801	7431478
	0.1	1	724787	7431552
	0.1	1	724856	7431462
	0.1	1	725039	7431748
	0.1	1	724600	7431262
	0.1	1	724599	7430997
	0.1	1	724618	7431253
	0.1	2	724851	7431112
	0.1	1	724951	7431110
	0.1	1	724780	7431009
	0.1	1	724890	7431287
	0.1	1	724603	7431420
	0.1	1	724674	7431133
	0.1	1	725081	7430885
	0.1	1	724916	7431294
	0.1	1	724839	7431146
	0.1	1	725032	7431252
	0.1	1	724791	7431553
	0.1	1	725009	7431441
	0.1	1	724618	7431261
	0.1	1	724772	7431242
	0.1	1	724897	7431832
0.1	1	724869	7431220	
0.1	2	724729	7431034	
0.1	1	725044	7431175	
0.1	1	724598	7431167	
0.1	1	724793	7431321	
0.1	1	724625	7430898	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724790	7431551
	0.1	1	724717	7431006
	0.1	1	724775	7431463
	0.1	1	724631	7431282
	0.1	1	724723	7430922
	0.1	1	724990	7431428
	0.1	1	725063	7431562
	0.1	1	724907	7431089
	0.1	1	724866	7431648
	0.1	2	724746	7431010
	0.1	1	725080	7430885
	0.1	1	724727	7431336
	0.1	1	725130	7431090
	0.1	1	724869	7431377
	0.1	1	725127	7431161
	0.1	1	724715	7431236
	0.1	1	725091	7431177
	0.1	1	724861	7431342
	0.1	1	724992	7431544
	0.1	1	725038	7431745
	0.1	1	724993	7431544
	0.1	1	725064	7430979
	0.1	1	724628	7431293
	0.1	1	724911	7431387
	0.1	1	725019	7431229
	0.1	1	725073	7431475
	0.1	3	725093	7431381
	0.1	1	724609	7431446
	0.1	1	724754	7431089
	0.1	1	725047	7431187
	0.1	1	725068	7430874
	0.1	1	725099	7431316
	0.1	1	724883	7431623
0.1	1	724734	7431413	
0.1	3	725105	7431233	
0.1	1	722377	7432090	
0.1	1	725073	7431183	
0.1	1	724955	7431175	
0.1	1	724607	7431323	
0.1	1	724670	7430915	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724602	7431114
	0.1	1	724679	7431292
	0.1	1	724975	7431569
	0.1	1	725043	7431830
	0.1	1	724905	7431381
	0.1	1	724847	7431166
	0.1	1	724619	7430994
	0.1	1	724896	7431126
	0.1	1	725052	7431767
	0.1	1	725114	7431080
	0.1	1	725106	7431207
	0.1	1	725050	7431241
	0.1	1	724953	7431096
	0.1	1	724774	7430997
	0.1	1	724694	7430922
	0.1	1	725017	7431418
	0.1	1	724978	7431524
	0.1	1	724686	7431209
	0.1	1	724594	7431018
	0.1	1	725024	7430905
	0.1	1	725014	7430944
	0.1	1	724735	7431006
	0.1	1	724784	7431271
	0.1	1	724632	7431325
	0.1	1	725105	7431260
	0.1	1	724868	7431502
	0.1	1	725050	7431815
	0.1	1	725098	7431423
	0.1	1	725058	7431028
	0.1	1	724953	7431109
	0.1	1	724633	7430899
	0.1	1	724774	7430998
	0.1	1	725066	7430931
	0.1	1	725048	7431137
0.1	1	724918	7431298	
0.1	1	724794	7431358	
0.1	1	724798	7431284	
0.1	1	724764	7431470	
0.1	1	725038	7431762	
0.1	1	724602	7431193	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724625	7431402
	0.1	1	724720	7431065
	0.1	1	725057	7431345
	0.1	1	724657	7431298
	0.1	1	725088	7431244
	0.1	1	722372	7432082
	0.1	1	725084	7430945
	0.1	1	724723	7430925
	0.1	1	725020	7431240
	0.1	1	724617	7430955
	0.1	1	725051	7431376
	0.1	1	725036	7431256
	0.1	1	724644	7431281
	0.1	1	725017	7431626
	0.1	1	725044	7431781
	0.1	1	725123	7431113
	0.1	3	724633	7431482
	0.1	1	725055	7431142
	0.1	1	725045	7431023
	0.1	1	724770	7431300
	0.1	1	725047	7431801
	0.1	1	724983	7431477
	0.1	1	724885	7431015
	0.1	1	724606	7431076
	0.1	1	725048	7431217
	0.1	1	725110	7431068
	0.1	1	725126	7431164
	0.1	1	725114	7431138
	0.1	1	724880	7431130
	0.1	1	724877	7431303
	0.1	1	725097	7431374
	0.1	1	725123	7431049
	0.1	2	724716	7431010
	0.1	1	725085	7431613
0.1	1	725014	7431418	
0.1	1	724885	7431012	
0.1	1	725039	7431200	
0.1	1	724673	7431129	
0.1	1	725090	7431354	
0.1	1	725023	7431421	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724734	7430933
	0.1	1	725075	7431280
	0.1	1	724907	7431436
	0.1	1	724946	7431096
	0.1	1	724981	7431397
	0.1	1	724959	7431181
	0.1	1	725028	7431414
	0.1	1	724725	7431500
	0.1	1	725037	7431549
	0.1	1	724611	7430906
	0.1	1	724849	7431501
	0.1	1	724668	7431243
	0.1	1	724972	7431408
	0.1	1	724808	7431282
	0.1	1	725013	7431418
	0.1	1	724983	7431377
	0.1	1	724990	7431474
	0.1	1	725001	7431433
	0.1	1	724763	7431179
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724728	7431002
	0.1	1	725019	7430895
	0.1	1	725052	7431278
	0.1	1	724792	7431203
	0.1	1	724786	7431140
	0.1	1	725028	7431404
	0.1	1	724992	7431438
	0.1	1	725046	7431327
	0.1	1	724728	7430998
	0.1	1	724793	7431199
	0.1	2	725095	7431381
	0.1	1	725067	7431132
	0.1	1	725035	7431105
	0.1	1	724669	7431220
	0.1	1	724960	7431122
	0.1	1	725122	7431050
	0.1	1	725070	7431278
	0.1	1	725099	7431101
	0.1	1	724777	7431098
	0.1	1	725035	7431149
	0.1	1	724870	7431074

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724692	7431018
	0.1	1	725021	7431641
	0.1	2	724711	7431013
	0.1	1	725084	7431828
	0.1	1	724724	7431488
	0.1	1	725000	7431521
	0.1	1	725030	7431452
	0.1	1	724888	7431343
	0.1	1	724730	7431513
	0.1	1	725002	7431397
	0.1	2	724727	7431184
	0.1	1	724855	7431061
	0.1	3	724999	7431659
	0.1	1	724837	7431147
	0.1	1	725112	7431414
	0.1	1	725016	7431156
	0.1	1	725090	7431521
	0.1	1	724605	7431119
	0.1	1	725009	7431797
	0.1	1	724649	7431546
	0.1	1	725051	7431170
	0.1	1	725126	7431135
	0.1	1	724945	7431099
	0.1	2	724850	7431165
	0.1	1	724842	7431000
	0.1	1	725095	7431352
	0.1	1	724937	7430891
	0.1	1	724810	7431508
	0.1	2	725108	7431226
	0.1	1	724728	7431554
	0.1	1	724880	7431290
	0.1	1	724947	7431096
	0.1	1	725099	7431266
	0.1	1	724882	7431012
0.1	1	725042	7431165	
0.1	1	724991	7431778	
0.1	1	724686	7431024	
0.1	1	724878	7431186	
0.1	1	724801	7431473	
0.1	1	724778	7431346	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724949	7430915
	0.1	1	724855	7431354
	0.1	1	725093	7431476
	0.1	1	724728	7431564
	0.1	1	725078	7431894
	0.1	1	724896	7431281
	0.1	2	724675	7431569
	0.1	1	725001	7431756
	0.1	1	724916	7431065
	0.1	1	725083	7431128
	0.1	1	725067	7431195
	0.1	4	724842	7431184
	0.1	1	724669	7431225
	0.1	2	725097	7431385
	0.1	1	725051	7430995
	0.1	1	724916	7431376
	0.1	1	725011	7431546
	0.1	1	725110	7431582
	0.1	1	722393	7432047
	0.1	2	724793	7431385
	0.1	2	724842	7431186
	0.1	1	724589	7431005
	0.1	1	724994	7431420
	0.1	1	724670	7431087
	0.1	1	724720	7431614
	0.1	1	724853	7430981
	0.1	1	724904	7431240
	0.1	2	724719	7431006
	0.1	1	725069	7431790
	0.1	1	725017	7431654
	0.1	1	724782	7431370
	0.1	1	724681	7431286
	0.1	1	724686	7431290
	0.1	1	724849	7431110
	0.1	3	725087	7431537
	0.1	1	724728	7431172
0.1	1	725082	7431037	
0.1	1	725004	7431730	
0.1	1	725021	7431162	
0.1	1	724872	7431328	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724851	7431250
	0.1	2	725104	7431339
	0.1	1	724953	7430936
	0.1	1	724855	7431424
	0.1	2	724917	7431137
	0.1	2	724907	7431458
	0.1	1	724963	7431180
	0.1	1	724996	7431717
	0.1	1	722269	7431844
	0.1	1	724748	7431358
	0.1	1	724807	7431520
	0.1	1	724771	7431273
	0.1	1	725043	7431174
	0.1	1	724690	7431139
	0.1	1	724942	7430948
	0.1	1	725087	7431832
	0.1	1	725052	7431346
	0.1	1	724779	7431370
	0.1	1	724681	7431020
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725116	7431139
	0.1	1	725081	7431735
	0.1	1	724949	7431091
	0.1	1	725109	7431249
	0.1	1	724685	7430917
	0.1	1	724946	7431102
	0.1	2	724681	7431251
	0.1	1	724587	7431111
	0.1	1	724844	7431285
	0.1	1	724944	7430947
	0.1	1	725005	7431595
	0.1	1	724734	7431173
	0.1	1	725072	7431039
	0.1	1	724755	7430999
	0.1	1	724812	7431181
	0.1	1	724906	7431239
	0.1	1	724728	7431307
	0.1	1	724994	7431707
	0.1	1	724976	7431440
	0.1	1	724686	7431212
	0.1	1	724859	7431429

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724681	7431286
	0.1	1	725102	7431266
	0.1	1	725111	7431173
	0.1	1	725081	7431733
	0.1	1	724798	7431583
	0.1	1	724755	7431383
	0.1	1	724979	7431416
	0.1	1	725025	7431663
	0.1	2	724798	7431464
	0.1	1	724853	7431470
	0.1	1	724999	7431694
	0.1	1	724716	7431027
	0.1	2	725082	7431182
	0.1	1	725025	7431122
	0.1	1	725068	7431037
	0.1	1	725033	7431179
	0.1	1	724848	7431313
	0.1	1	725130	7431133
	0.1	1	725067	7431199
	0.1	1	724874	7431619
	0.1	1	724675	7431221
	0.1	1	725120	7431141
	0.1	1	724963	7431166
	0.1	2	724845	7430977
	0.1	1	725092	7431843
	0.1	1	725050	7431367
	0.1	1	725018	7430894
	0.1	2	724641	7431264
	0.1	1	725060	7431004
	0.1	1	725108	7431383
	0.1	1	724898	7431127
	0.1	1	724848	7431314
	0.1	1	724800	7431249
0.1	1	725078	7431732	
0.1	1	724666	7431282	
0.1	1	724692	7431231	
0.1	1	724951	7431084	
0.1	1	724757	7431319	
0.1	1	725030	7431668	
0.1	1	724781	7431256	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	722425	7432079
	0.1	1	724678	7431258
	0.1	1	724938	7431088
	0.1	1	724977	7431377
	0.1	1	725092	7431521
	0.1	1	724777	7431383
	0.1	1	724726	7431141
	0.1	1	725010	7431437
	0.1	1	724860	7431325
	0.1	1	724940	7431089
	0.1	1	724869	7431268
	0.1	1	722431	7432081
	0.1	1	724798	7431563
	0.1	2	724845	7430976
	0.1	1	725107	7431162
	0.1	1	724863	7431577
	0.1	1	724599	7431110
	0.1	1	725040	7431267
	0.1	1	724655	7431565
	0.1	1	724894	7431785
	0.1	1	725006	7431589
	0.1	2	724761	7431402
	0.1	1	724694	7431020
	0.1	1	722297	7432314
	0.1	1	725057	7431221
	0.1	1	724737	7431026
	0.1	1	725103	7431461
	0.1	1	724638	7431269
	0.1	1	725118	7431075
	0.1	1	725033	7431200
	0.1	1	724772	7431044
	0.1	1	724625	7431114
	0.1	1	725025	7430925
	0.1	1	724671	7430896
0.1	1	724878	7431183	
0.1	1	725111	7431052	
0.1	1	725039	7431221	
0.1	1	725020	7431342	
0.1	2	724757	7431092	
0.1	2	724694	7431228	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725125	7431143
	0.1	1	724757	7431387
	0.1	1	725020	7431679
	0.1	1	724765	7431399
	0.1	1	725027	7431411
	0.1	1	725010	7431198
	0.1	1	724727	7431027
	0.1	1	724595	7430976
	0.1	1	724808	7431143
	0.1	1	724666	7431173
	0.1	2	724851	7431004
	0.1	1	725108	7431045
	0.1	1	725072	7431202
	0.1	1	724882	7431632
	0.1	1	724960	7431181
	0.1	1	725093	7431218
	0.1	1	724898	7431291
	0.1	1	724855	7431528
	0.1	1	724729	7431311
	0.1	1	725031	7431414
	0.1	1	724791	7431357
	0.1	1	724672	7431161
	0.1	1	724893	7431781
	0.1	2	725094	7431279
	0.1	1	724852	7431472
	0.1	1	725010	7431202
	0.1	1	724702	7431229
	0.1	1	724768	7431259
	0.1	1	724716	7431214
	0.1	1	725101	7431112
	0.1	1	725101	7431146
	0.1	1	724850	7430973
	0.1	1	724631	7431192
	0.1	1	725025	7431427
0.1	1	725099	7431182	
0.1	1	724683	7431083	
0.1	1	725036	7431337	
0.1	1	724605	7431312	
0.1	1	725021	7431679	
0.1	1	724850	7431005	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	724905	7431390
	0.1	1	724890	7431507
	0.1	1	725012	7431436
	0.1	3	725066	7431712
	0.1	1	724780	7431402
	0.1	1	725107	7431409
	0.1	1	724680	7431261
	0.1	1	724632	7431187
	0.1	1	724874	7431197
	0.1	1	724663	7431094
	0.1	1	725070	7431428
	0.1	1	725099	7431025
	0.1	1	724781	7431280
	0.1	1	725014	7431208
	0.1	1	724911	7431893
	0.1	3	725098	7431378
	0.1	1	724916	7431268
	0.1	1	724758	7431496
	0.1	1	725107	7431520
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725047	7431539
	0.1	1	724634	7431188
	0.1	1	724665	7431173
	0.1	1	724666	7431001
	0.1	1	724735	7431027
	0.1	1	724982	7431479
	0.1	1	724908	7431274
	0.1	1	725035	7431547
	0.1	1	725075	7431702
	0.1	1	725118	7431091
	0.1	1	724866	7431468
	0.1	1	724750	7431523
	0.1	1	724769	7431012
	0.1	1	724748	7430967
	0.1	1	725078	7431187
	0.1	1	724702	7431233
	0.1	1	724947	7431138
	0.1	1	725009	7431302
	0.1	1	724721	7431006
	0.1	1	725016	7431718
	0.1	1	725108	7431262

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	725091	7431017
	0.1	1	724801	7431461
	0.1	1	725034	7431195
	0.1	1	724717	7431232
	0.1	1	724728	7431187
	0.1	3	724759	7431533
	0.1	1	724996	7431846
	0.1	1	724950	7431112
	0.1	1	725036	7431174
	0.1	1	724631	7431196
	0.1	1	724673	7430897
	0.1	1	725054	7431008
	0.1	1	725025	7431427
	0.1	1	725054	7431677
	0.1	1	724866	7431271
	0.1	1	722432	7431886
	0.1	1	725087	7431014
	0.1	1	724847	7431525
	0.1	1	725062	7431354
	0.1	1	724731	7431091
	0.1	1	725023	7431213
	0.1	1	725046	7431574
	0.1	1	724605	7431094
	0.1	1	724629	7431204
	0.1	1	724755	7431226
	0.1	1	724777	7430900
	0.1	1	725019	7431719
	0.1	1	724791	7431403
	0.1	1	725110	7431145
	0.1	1	725104	7431067
	0.1	1	724979	7431597
	0.1	1	724885	7431755
	0.1	1	724870	7431293
0.1	1	724892	7431798	
0.1	1	725032	7431255	
0.1	1	725121	7431048	
0.1	1	724760	7431536	
0.1	1	725022	7430904	
0.1	1	724845	7431534	
0.1	1	724910	7431608	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	724672	7431230
	0.1	1	724960	7431207
	0.1	1	724772	7431156
	0.1	1	725076	7431469
	0.1	1	725016	7431718
	0.1	1	725107	7431453
	0.1	1	724715	7431214
	0.1	1	725088	7431010
	0.1	1	724667	7431174
	0.1	1	724754	7431299
	0.1	1	754129	7440514
	0.1	1	753113	7439678
	0.1	1	753895	7440501
	0.1	1	753866	7440141
	0.1	1	753847	7440469
	0.1	2	753979	7440484
	0.1	1	753825	7440471
	0.1	1	753955	7440498
	0.1	1	748484	7441291
	0.1	1	753840	7440467
	0.1	1	748491	7441298
	0.1	1	754065	7440280
	0.1	1	753872	7440492
	0.1	2	753694	7440558
	0.1	1	753961	7440474
	0.1	1	754042	7440399
	0.1	1	753118	7440295
	0.1	1	754115	7440620
	0.1	1	753692	7440499
	0.1	1	753208	7440703
	0.1	1	754124	7440381
	0.1	1	753834	7440397
	0.1	1	754066	7440281
	0.1	1	753945	7440550
	0.1	1	749153	7441213
	0.1	1	753850	7440177
0.1	1	753767	7440550	
0.1	1	753996	7440772	
0.1	1	753716	7440818	
0.1	1	753118	7439747	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753952	7440557
	0.1	1	754057	7440357
	0.1	1	753187	7440826
	0.1	1	753668	7440635
	0.1	1	754112	7440654
	0.1	1	749136	7441230
	0.1	1	753118	7439746
	0.1	1	753956	7440561
	0.1	1	753968	7440476
	0.1	1	754056	7440359
	0.1	1	754042	7440345
	0.1	3	753820	7439871
	0.1	1	753667	7439800
	0.1	1	753741	7440531
	0.1	1	753621	7439566
	0.1	1	753123	7439753
	0.1	1	754000	7440515
	0.1	1	753151	7440576
	0.1	1	753824	7440457
	0.1	1	753622	7439566
	0.1	1	754041	7440345
	0.1	1	753819	7439874
	0.1	1	754120	7440700
	0.1	1	753903	7440750
	0.1	1	753768	7440515
	0.1	1	753122	7439879
	0.1	1	753678	7440735
	0.1	1	753674	7440735
	0.1	1	753122	7439910
	0.1	1	753818	7440109
	0.1	1	753694	7440489
	0.1	1	753818	7440443
	0.1	1	754059	7440351
	0.1	1	754061	7440352
0.1	1	754069	7440279	
0.1	1	753820	7440442	
0.1	1	753955	7440652	
0.1	1	754123	7440663	
0.1	1	753924	7440634	
0.1	1	754065	7440350	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754066	7440356
	0.1	1	753799	7440250
	0.1	1	753769	7439724
	0.1	1	753984	7440593
	0.1	1	753699	7440479
	0.1	1	753972	7440560
	0.1	1	753899	7440711
	0.1	1	753697	7440477
	0.1	1	753902	7440521
	0.1	1	754120	7440459
	0.1	1	753675	7439758
	0.1	1	753790	7440418
	0.1	1	753698	7440463
	0.1	2	749340	7441173
	0.1	1	753868	7440507
	0.1	1	753716	7440530
	0.1	1	753906	7440709
	0.1	1	753694	7440772
	0.1	1	753877	7440492
	0.1	1	753199	7440682
	0.1	1	753804	7440555
	0.1	1	753794	7440425
	0.1	1	753876	7440530
	0.1	1	754131	7440374
	0.1	1	753810	7440637
	0.1	1	753797	7440427
	0.1	1	753895	7440668
	0.1	1	753791	7440435
	0.1	1	753874	7440530
	0.1	1	753794	7440434
	0.1	1	753905	7440633
	0.1	1	753903	7440520
	0.1	1	753926	7440634
	0.1	1	753679	7439727
	0.1	1	753748	7440622
	0.1	1	753784	7440414
0.1	1	753700	7439987	
0.1	1	753799	7440438	
0.1	1	753690	7439895	
0.1	1	754119	7440485	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	753688	7439648
	0.1	1	753800	7440613
	0.1	1	753795	7440445
	0.1	1	753898	7440569
	0.1	1	754080	7440362
	0.1	1	753864	7440543
	0.1	1	753802	7440469
	0.1	1	753625	7439614
	0.1	1	753975	7440600
	0.1	1	753890	7440562
	0.1	1	753797	7440472
	0.1	1	753782	7440579
	0.1	1	753693	7439708
	0.1	1	753805	7440540
	0.1	1	754129	7440453
	0.1	1	753794	7440506
	0.1	1	753913	7440508
	0.1	1	753750	7440354
	0.1	1	754126	7440485
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754084	7440384
	0.1	1	753691	7440802
	0.1	2	754004	7440560
	0.1	1	753188	7440659
	0.1	1	753927	7440634
	0.1	1	753931	7440497
	0.1	1	753974	7440635
	0.1	1	753695	7440696
	0.1	1	753197	7440613
	0.1	1	753982	7440643
	0.1	1	753935	7440499
	0.1	1	753726	7440505
	0.1	1	753756	7440662
	0.1	1	753202	7440572
	0.1	1	753985	7440511
	0.1	1	748667	7441204
	0.1	2	753151	7440575
	0.1	1	753976	7440649
	0.1	1	748543	7441299
	0.1	1	753890	7440567
	0.1	1	753713	7440532

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753779	7440416
	0.1	1	753815	7440855
	0.1	1	753746	7440616
	0.1	1	753932	7440502
	0.1	1	754244	7440617
	0.1	1	753965	7440501
	0.1	1	753974	7440755
	0.1	1	753752	7440689
	0.1	1	753671	7440527
	0.1	1	753927	7440619
	0.1	1	754075	7440435
	0.1	1	754221	7440752
	0.1	1	753676	7440631
	0.1	1	753968	7440803
	0.1	1	753928	7440505
	0.1	1	753190	7440565
	0.1	1	753945	7440233
	0.1	1	754073	7440435
	0.1	1	754116	7440427
	0.1	2	753848	7440846
	0.1	1	752898	7441202
	0.1	1	753964	7440253
	0.1	1	754009	7440564
	0.1	1	754066	7440287
	0.1	1	754128	7440509
	0.1	1	753926	7440499
	0.1	1	748523	7441361
	0.1	1	754075	7440444
	0.1	2	753852	7440843
	0.1	1	753876	7440493
	0.1	1	753954	7440363
	0.1	1	753719	7440602
	0.1	1	753722	7440457
0.1	1	754072	7440440	
0.1	2	753997	7440429	
0.1	1	753133	7440676	
0.1	1	754133	7440435	
0.1	1	753926	7440639	
0.1	1	753781	7440613	
0.1	1	754069	7440445	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754008	7440564
	0.1	1	753150	7440642
	0.1	1	753200	7440550
	0.1	1	753955	7440387
	0.1	1	754072	7440447
	0.1	1	753843	7440740
	0.1	1	753961	7440389
	0.1	1	753865	7440509
	0.1	1	753850	7440707
	0.1	1	753817	7440850
	0.1	1	753948	7440390
	0.1	1	753769	7440548
	0.1	1	753720	7440525
	0.1	2	753848	7440705
	0.1	1	753994	7440569
	0.1	1	753961	7440411
	0.1	1	749115	7441243
	0.1	1	754307	7440653
	0.1	1	753960	7440413
	0.1	1	753712	7440513
	0.1	2	753696	7439653
	0.1	1	754073	7440447
	0.1	1	754130	7440510
	0.1	1	753843	7440706
	0.1	1	753875	7440466
	0.1	1	753777	7440724
	0.1	1	753719	7440629
	0.1	1	749289	7441150
	0.1	1	753925	7440492
	0.1	1	753853	7440674
	0.1	1	753202	7440499
	0.1	1	753875	7440622
	0.1	1	754230	7440749
	0.1	1	754068	7440462
0.1	1	753845	7440671	
0.1	1	753991	7440574	
0.1	1	753203	7440495	
0.1	1	753957	7440428	
0.1	2	753814	7440768	
0.1	1	753844	7440670	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753924	7440490
	0.1	1	749103	7441233
	0.1	1	748628	7441204
	0.1	1	754006	7440503
	0.1	1	753921	7440633
	0.1	1	753753	7440472
	0.1	1	753841	7440672
	0.1	1	754218	7440744
	0.1	1	753698	7439652
	0.1	1	753193	7440470
	0.1	1	753958	7440426
	0.1	3	753704	7440518
	0.1	1	753838	7440670
	0.1	1	753988	7440582
	0.1	1	753190	7440425
	0.1	1	753958	7440429
	0.1	1	753679	7439707
	0.1	2	754007	7440430
	0.1	1	753129	7440641
	0.1	1	754073	7440479
	0.1	1	753684	7440757
	0.1	2	753970	7440486
	0.1	1	753187	7440405
	0.1	1	753775	7440648
	0.1	1	754077	7440479
	0.1	1	753813	7440743
	0.1	1	753918	7440482
	0.1	1	753723	7440440
	0.1	1	753868	7440515
	0.1	1	753203	7440374
	0.1	1	754064	7440502
	0.1	1	753883	7440632
	0.1	1	753127	7440637
	0.1	1	748744	7441204
0.1	1	753206	7440340	
0.1	1	753961	7440429	
0.1	1	754064	7440280	
0.1	1	748547	7441304	
0.1	1	753922	7440413	
0.1	1	753718	7439732	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753960	7440430
	0.1	1	753883	7440638
	0.1	1	753860	7440648
	0.1	1	753124	7440638
	0.1	2	753984	7440444
	0.1	1	754009	7440598
	0.1	1	753926	7440632
	0.1	1	753958	7440434
	0.1	1	754067	7440598
	0.1	1	753817	7440638
	0.1	1	753847	7440634
	0.1	1	753634	7439487
	0.1	1	753724	7440440
	0.1	1	753920	7440413
	0.1	1	753204	7439950
	0.1	1	753194	7440818
	0.1	1	754060	7440663
	0.1	3	753858	7440623
	0.1	1	748802	7441205
	0.1	1	753864	7440649
	0.1	1	753210	7439945
	0.1	1	754216	7440725
	0.1	1	753963	7440437
	0.1	1	754121	7440427
	0.1	1	754078	7440700
	0.1	1	753847	7440605
	0.1	1	754225	7440753
	0.1	1	754004	7440665
	0.1	1	753212	7439944
	0.1	1	754125	7440531
	0.1	1	754049	7440667
	0.1	1	753821	7440596
	0.1	1	753982	7440434
0.1	1	753924	7440410	
0.1	1	753202	7439889	
0.1	1	753954	7440432	
0.1	1	753866	7440649	
0.1	1	754056	7440662	
0.1	1	753846	7440581	
0.1	1	753968	7440547	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754124	7440461
	0.1	1	753785	7440716
	0.1	1	753826	7440576
	0.1	1	753951	7440431
	0.1	2	754011	7440380
	0.1	1	754050	7440648
	0.1	1	753772	7440441
	0.1	1	753214	7439790
	0.1	1	753949	7440430
	0.1	1	753986	7440671
	0.1	1	753216	7439790
	0.1	1	753948	7440431
	0.1	1	753679	7440437
	0.1	1	753624	7439533
	0.1	1	754046	7440600
	0.1	1	753726	7440508
	0.1	1	753863	7440543
	0.1	1	753935	7440299
	0.1	1	753751	7440474
	0.1	1	753215	7439788
	0.1	1	753884	7440664
	0.1	1	753934	7440556
	0.1	1	753209	7439674
	0.1	1	753948	7440433
	0.1	1	753212	7439671
	0.1	1	754065	7440349
	0.1	1	753775	7440648
	0.1	1	754033	7440587
	0.1	1	754064	7440276
	0.1	1	753841	7440534
	0.1	1	753879	7440685
	0.1	1	753123	7440605
	0.1	1	753218	7439663
	0.1	1	753944	7440437
0.1	1	753972	7440467	
0.1	1	753673	7440750	
0.1	1	753728	7440369	
0.1	1	753827	7440560	
0.1	1	753212	7439658	
0.1	1	753935	7440296	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754038	7440565
	0.1	1	753691	7440514
	0.1	1	754065	7440278
	0.1	2	753151	7440592
	0.1	1	753997	7440450
	0.1	2	753987	7440510
	0.1	1	753950	7440453
	0.1	1	754036	7440563
	0.1	1	748768	7441001
	0.1	1	753849	7440522
	0.1	1	753121	7440602
	0.1	1	753946	7440466
	0.1	2	753827	7440537
	0.1	1	753769	7440442
	0.1	1	753936	7440296
	0.1	1	753719	7440527
	0.1	1	753989	7440676
	0.1	1	753945	7440458
	0.1	1	753612	7439534
	0.1	2	754125	7440532
	0.1	1	753873	7440494
	0.1	1	753723	7440344
	0.1	1	753935	7440294
	0.1	1	753859	7440512
	0.1	1	753989	7440680
	0.1	1	753185	7439594
	0.1	2	753815	7440509
	0.1	1	753675	7439697
	0.1	1	753722	7440511
	0.1	1	753130	7440530
	0.1	1	753182	7439593
	0.1	1	753948	7440470
	0.1	1	754067	7440276
	0.1	1	753925	7440836
0.1	1	753812	7440508	
0.1	1	754003	7440549	
0.1	1	753958	7440474	
0.1	1	754056	7440493	
0.1	1	753884	7440713	
0.1	1	753965	7440469	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753692	7439658
	0.1	1	753128	7440499
	0.1	1	753957	7440474
	0.1	2	753621	7439771
	0.1	1	753681	7440438
	0.1	1	753122	7439607
	0.1	1	753681	7439702
	0.1	1	749248	7441145
	0.1	1	753952	7440484
	0.1	1	754042	7440456
	0.1	1	753936	7440287
	0.1	1	753853	7440471
	0.1	1	753995	7440695
	0.1	2	754003	7440496
	0.1	1	753924	7440544
	0.1	1	753119	7439641
	0.1	1	749163	7441218
	0.1	1	754051	7440454
	0.1	2	753855	7440474
	0.1	1	753765	7440651
	0.1	1	753787	7440461
	0.1	3	754266	7440727
	0.1	1	753790	7440160
	0.1	1	753715	7439675
	0.1	1	753624	7440056
	0.1	1	754023	7440575
	0.1	1	753923	7440515
	0.1	1	753171	7440441
	0.1	1	753170	7440084
	0.1	1	753139	7439759
	0.1	1	753676	7439695
	0.1	2	753695	7439670
	0.1	1	749050	7441400
	0.1	1	753167	7440435
0.1	2	753820	7440857	
0.1	1	753786	7440769	
0.1	1	754023	7440612	
0.1	1	753802	7440559	
0.1	1	753647	7439797	
0.1	1	754099	7440335	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	4	753646	7440464
	0.1	1	754024	7440625
	0.1	1	753865	7440614
	0.1	1	753854	7440512
	0.1	1	753800	7440607
	0.1	1	753916	7440517
	0.1	1	753898	7440490
	0.1	1	753613	7439811
	0.1	1	753877	7440521
	0.1	1	753954	7440492
	0.1	1	749222	7441123
	0.1	1	753913	7440519
	0.1	1	753867	7440649
	0.1	1	753159	7439708
	0.1	1	753952	7440652
	0.1	1	753117	7440627
	0.1	2	753819	7440852
	0.1	1	753911	7440657
	0.1	1	754048	7440447
	0.1	1	753152	7439710
	0.1	2	753642	7439854
	0.1	1	753771	7439753
	0.1	1	753678	7439660
	0.1	2	753700	7439651
	0.1	1	754102	7440335
	0.1	1	753865	7440615
	0.1	1	753801	7440794
	0.1	1	753114	7439682
	0.1	1	753787	7440170
	0.1	1	753786	7440772
	0.1	1	753640	7439535
	0.1	2	753690	7439651
	0.1	1	753155	7440158
0.1	1	753144	7439697	
0.1	1	754011	7440632	
0.1	1	753881	7440277	
0.1	1	753612	7439813	
0.1	1	754033	7440418	
0.1	2	754153	7440630	
0.1	1	753810	7440832	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754061	7440351
	0.1	1	753824	7440575
	0.1	1	754095	7440695
	0.1	2	753820	7440850
	0.1	1	753118	7439687
	0.1	1	753672	7440818
	0.1	1	753958	7440494
	0.1	1	753626	7439466
	0.1	1	753867	7440681
	0.1	1	753932	7440490
	0.1	1	753897	7440714
	0.1	1	753682	7440805
	0.1	1	749244	7441135
	0.1	1	753775	7440419
	0.1	4	753644	7440461
	0.1	1	754095	7440688
	0.1	1	753628	7439487
	0.1	1	753869	7440613
	0.1	1	753839	7440518
	0.1	1	753116	7440560
	0.1	1	753179	7439594
	0.1	2	753622	7440403
	0.1	1	753777	7440432
	0.1	1	754095	7440660
	0.1	2	753838	7440401
	0.1	1	753124	7439748
	0.1	1	753131	7440669
	0.1	1	753947	7440542
	0.1	1	749240	7441131
	0.1	1	753866	7440541
	0.1	1	753134	7440136
	0.1	1	753681	7440751
	0.1	1	754107	7440652
0.1	1	754101	7440333	
0.1	1	753652	7440447	
0.1	2	753694	7440545	
0.1	1	754026	7440420	
0.1	1	753115	7439913	
0.1	1	753183	7439602	
0.1	1	753933	7440490	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754044	7440377
	0.1	1	753954	7440652
	0.1	1	753180	7439601
	0.1	1	753178	7440467
	0.1	1	753688	7439652
	0.1	1	754099	7440592
	0.1	1	753868	7440618
	0.1	1	753123	7439746
	0.1	1	753173	7439597
	0.1	1	753674	7440749
	0.1	1	753800	7440282
	0.1	1	749239	7441132
	0.1	1	753943	7440546
	0.1	1	754059	7440368
	0.1	1	753632	7439545
	0.1	1	753132	7440646
	0.1	1	753171	7439616
	0.1	1	753679	7440738
	0.1	1	753641	7439827
	0.1	1	753846	7440387
	0.1	1	754023	7440366
	0.1	1	753784	7440460
	0.1	1	753118	7440613
	0.1	1	753876	7440471
	0.1	1	753629	7439556
	0.1	1	753168	7439612
	0.1	1	753866	7440144
	0.1	2	753817	7440842
	0.1	1	753846	7440509
	0.1	1	753182	7439639
	0.1	1	753648	7440824
	0.1	1	753783	7440466
	0.1	1	753122	7439748
0.1	1	753648	7439557	
0.1	1	753632	7439554	
0.1	1	753177	7439646	
0.1	1	753130	7440646	
0.1	1	754091	7440439	
0.1	1	754059	7440368	
0.1	1	753702	7440791	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754012	7440381
	0.1	1	753775	7440783
	0.1	1	753644	7439553
	0.1	1	754098	7440333
	0.1	1	754099	7440424
	0.1	2	753162	7440261
	0.1	1	753648	7440780
	0.1	1	753650	7440433
	0.1	1	753122	7439746
	0.1	1	753614	7439834
	0.1	1	753954	7440548
	0.1	1	753110	7440101
	0.1	1	753820	7440563
	0.1	1	753875	7440522
	0.1	4	753628	7439571
	0.1	1	754157	7440626
	0.1	1	753884	7440630
	0.1	1	753184	7439667
	0.1	2	753820	7440460
	0.1	1	754103	7440413
	0.1	1	753655	7440747
	0.1	1	753939	7440300
	0.1	1	753168	7440273
	0.1	1	754055	7440359
	0.1	4	753620	7439566
	0.1	1	754103	7440411
	0.1	1	753647	7440749
	0.1	1	753130	7440642
	0.1	1	754099	7440333
	0.1	2	753812	7440766
	0.1	1	753681	7439646
	0.1	1	753694	7440550
	0.1	2	753171	7439674
	0.1	1	753149	7440542
0.1	1	753674	7440611	
0.1	1	754092	7440396	
0.1	1	753777	7440581	
0.1	1	753843	7440117	
0.1	1	753178	7439695	
0.1	1	753651	7440740	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753927	7440489
	0.1	1	753686	7440537
	0.1	1	753626	7440436
	0.1	1	753618	7439554
	0.1	1	754047	7440310
	0.1	1	749247	7441202
	0.1	1	753884	7440631
	0.1	1	749236	7441126
	0.1	1	754098	7440316
	0.1	1	753641	7440035
	0.1	1	749005	7441090
	0.1	3	753909	7440709
	0.1	1	753614	7439558
	0.1	1	749245	7441205
	0.1	1	753651	7440641
	0.1	1	753688	7440511
	0.1	1	753851	7440097
	0.1	1	753662	7440506
	0.1	1	753895	7440689
	0.1	1	753616	7439574
	0.1	1	753128	7440156
	0.1	1	753178	7439770
	0.1	1	749257	7441207
	0.1	1	753951	7440656
	0.1	1	753691	7440557
	0.1	1	754095	7440386
	0.1	1	753638	7439795
	0.1	1	753180	7440814
	0.1	1	753874	7440488
	0.1	1	753627	7439579
	0.1	1	753176	7439771
	0.1	1	754096	7440384
	0.1	1	753626	7439582
	0.1	1	754168	7440657
	0.1	1	753163	7440353
0.1	1	753688	7440093	
0.1	1	753643	7439959	
0.1	1	753764	7440651	
0.1	1	754096	7440354	
0.1	1	753628	7439582	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753644	7439556
	0.1	1	753125	7440167
	0.1	1	753949	7440228
	0.1	1	753953	7440672
	0.1	1	753814	7440740
	0.1	1	753928	7440519
	0.1	1	753958	7440562
	0.1	1	753679	7439785
	0.1	1	753918	7440515
	0.1	1	753767	7440656
	0.1	1	749264	7441210
	0.1	1	753628	7439594
	0.1	1	754102	7440353
	0.1	1	754057	7440349
	0.1	1	753183	7440420
	0.1	1	753668	7439760
	0.1	1	749255	7441210
	0.1	1	753786	7440676
	0.1	1	753158	7439902
	0.1	1	749253	7441209
	0.1	1	754111	7440350
	0.1	1	753644	7440556
	0.1	1	749231	7441121
	0.1	1	753949	7440615
	0.1	1	753688	7440554
	0.1	1	753773	7440691
	0.1	1	753166	7439908
	0.1	1	753613	7439615
	0.1	1	754097	7440313
	0.1	2	753811	7440469
	0.1	1	753648	7439526
	0.1	1	753180	7440568
	0.1	1	753171	7440495
	0.1	1	753617	7440649
0.1	1	753826	7440531	
0.1	1	754167	7440698	
0.1	1	754108	7440343	
0.1	1	753640	7439762	
0.1	1	753634	7439572	
0.1	1	748784	7441279	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753116	7440633
	0.1	1	753652	7439899
	0.1	1	753175	7440570
	0.1	1	753118	7440195
	0.1	1	753920	7440833
	0.1	1	753628	7440698
	0.1	1	753953	7440686
	0.1	1	753161	7440501
	0.1	1	748393	7440963
	0.1	1	753692	7440096
	0.1	1	748658	7441273
	0.1	1	753175	7440571
	0.1	1	753799	7440419
	0.1	1	753644	7439759
	0.1	1	753860	7440692
	0.1	1	753124	7440545
	0.1	1	753679	7439752
	0.1	1	753709	7440803
	0.1	1	754065	7440278
	0.1	1	753649	7439571
	0.1	1	753819	7440466
	0.1	1	748525	7441270
	0.1	1	753170	7440561
	0.1	1	753169	7440501
	0.1	1	748626	7441049
	0.1	1	753620	7440626
	0.1	1	754244	7440728
	0.1	1	753652	7439754
	0.1	1	753651	7439570
	0.1	1	748612	7441246
	0.1	1	753776	7440711
	0.1	1	753167	7440562
	0.1	1	753625	7439673
	0.1	1	753935	7440289
0.1	1	753187	7439936	
0.1	1	753179	7440541	
0.1	1	748654	7441263	
0.1	1	749250	7441209	
0.1	1	753945	7440854	
0.1	1	753862	7440692	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	753698	7440518
	0.1	1	753169	7440550
	0.1	1	753654	7439582
	0.1	1	754148	7440616
	0.1	1	753173	7440557
	0.1	1	753168	7440435
	0.1	1	754099	7440337
	0.1	1	753922	7440810
	0.1	1	753934	7440289
	0.1	1	753697	7440742
	0.1	1	753174	7440551
	0.1	1	753658	7439586
	0.1	1	748723	7441251
	0.1	1	753617	7439925
	0.1	1	753780	7440715
	0.1	2	753624	7439693
	0.1	1	753645	7439641
	0.1	1	754058	7440349
	0.1	1	748734	7441177
	0.1	1	753822	7439877
	0.1	1	753649	7439709
	0.1	1	753126	7440368
	0.1	1	753881	7440756
	0.1	1	749229	7441206
	0.1	1	754056	7440492
	0.1	1	748737	7441177
	0.1	1	753705	7440552
	0.1	1	753638	7439700
	0.1	1	754098	7440337
	0.1	2	753810	7440507
	0.1	1	753924	7440632
	0.1	1	748725	7441178
	0.1	1	753891	7440668
0.1	1	753695	7440065	
0.1	1	753663	7440473	
0.1	1	753876	7440543	
0.1	1	753869	7440519	
0.1	1	753864	7440677	
0.1	2	753696	7440771	
0.1	1	753169	7440432	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753883	7440399
	0.1	3	753694	7440066
	0.1	1	753698	7440734
	0.1	1	753795	7440435
	0.1	1	753172	7440571
	0.1	1	753929	7440557
	0.1	1	753894	7440611
	0.1	1	753695	7440732
	0.1	1	753608	7439757
	0.1	1	753641	7439863
	0.1	1	753903	7440750
	0.1	2	753894	7440573
	0.1	1	753114	7440628
	0.1	1	754051	7440473
	0.1	1	753842	7440502
	0.1	1	753891	7440563
	0.1	1	753699	7440130
	0.1	1	753645	7439529
	0.1	1	753180	7439945
	0.1	1	753157	7439997
	0.1	1	753622	7440508
	0.1	1	753144	7439892
	0.1	1	753694	7439885
	0.1	1	753698	7440809
	0.1	1	753144	7439873
	0.1	1	753701	7440746
	0.1	3	753699	7440520
	0.1	1	753888	7440567
	0.1	1	753958	7440474
	0.1	1	753699	7439748
	0.1	1	753128	7440156
	0.1	1	754022	7440496
	0.1	1	753702	7440776
	0.1	1	753935	7440680
0.1	1	754055	7440491	
0.1	1	753887	7440569	
0.1	1	754031	7440505	
0.1	1	753943	7440671	
0.1	1	754043	7440460	
0.1	2	753848	7440471	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753930	7440295
	0.1	1	753691	7440558
	0.1	1	753176	7440072
	0.1	1	753135	7439608
	0.1	2	754151	7440632
	0.1	1	753146	7439819
	0.1	1	753864	7440455
	0.1	1	753889	7440567
	0.1	1	753690	7439690
	0.1	1	753138	7439610
	0.1	1	753123	7439623
	0.1	1	749242	7441206
	0.1	1	753947	7440469
	0.1	1	754026	7440515
	0.1	1	753786	7440769
	0.1	1	754272	7440752
	0.1	1	753147	7439811
	0.1	1	753697	7439690
	0.1	1	753617	7439806
	0.1	1	753887	7440565
	0.1	1	754022	7440575
	0.1	1	753803	7440555
	0.1	1	753954	7440491
	0.1	1	724542	7432219
	0.1	1	753983	7440514
	0.1	1	753194	7440561
	0.1	1	753844	7440567
	0.1	1	753168	7439811
	0.1	1	749117	7441246
	0.1	1	753645	7439664
	0.1	1	753975	7440649
	0.1	1	754166	7440605
	0.1	1	753645	7440638
	0.1	1	749264	7441207
0.1	1	754074	7440432	
0.1	2	749207	7441089	
0.1	1	753973	7440411	
0.1	1	753834	7440563	
0.1	1	754133	7440466	
0.1	1	753203	7440571	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754048	7440498
	0.1	1	754123	7440325
	0.1	1	753724	7440456
	0.1	1	753730	7439749
	0.1	1	754227	7440751
	0.1	1	754012	7440599
	0.1	2	753180	7440559
	0.1	1	754072	7440406
	0.1	1	748730	7441184
	0.1	1	753642	7440466
	0.1	1	753734	7440655
	0.1	1	749119	7441244
	0.1	1	753648	7440435
	0.1	1	754004	7440738
	0.1	1	754047	7440590
	0.1	1	754100	7440332
	0.1	2	753849	7440529
	0.1	1	753642	7439703
	0.1	1	754146	7440475
	0.1	1	754017	7440485
	0.1	1	753647	7440746
	0.1	1	753643	7440639
	0.1	1	754167	7440591
	0.1	2	753965	7440356
	0.1	1	753998	7440586
	0.1	2	753146	7440647
	0.1	1	754072	7440406
	0.1	1	753754	7440477
	0.1	2	753167	7440223
	0.1	1	754099	7440336
	0.1	1	754022	7440430
	0.1	1	753616	7439907
	0.1	2	754151	7440631
	0.1	1	753983	7440443
0.1	2	753998	7440538	
0.1	1	753961	7440270	
0.1	1	754147	7440669	
0.1	1	753182	7440556	
0.1	1	753861	7440537	
0.1	1	754119	7440476	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754225	7440748
	0.1	1	749266	7441209
	0.1	1	754037	7440586
	0.1	1	754095	7440387
	0.1	2	754148	7440615
	0.1	1	754087	7440388
	0.1	1	753176	7439765
	0.1	1	754006	7440483
	0.1	1	748726	7441183
	0.1	1	753184	7440553
	0.1	1	753969	7440605
	0.1	1	753177	7439672
	0.1	1	753779	7440777
	0.1	1	753196	7440673
	0.1	2	749308	7441186
	0.1	1	753154	7440558
	0.1	1	753145	7440657
	0.1	1	753991	7440670
	0.1	1	753155	7439862
	0.1	1	749115	7441241
	0.1	1	754097	7440313
	0.1	1	748723	7441184
	0.1	1	754127	7440439
	0.1	1	754098	7440494
	0.1	1	753650	7440659
	0.1	1	754095	7440388
	0.1	1	753720	7439745
	0.1	1	749224	7441117
	0.1	1	753650	7440783
	0.1	1	753171	7439748
	0.1	3	753677	7439657
	0.1	1	753994	7440695
	0.1	1	753643	7440474
	0.1	1	753197	7440684
	0.1	2	749313	7441183
	0.1	1	754097	7440336
0.1	4	753176	7440553	
0.1	1	753147	7440489	
0.1	1	753987	7440596	
0.1	1	753137	7439765	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753743	7439927
	0.1	1	753645	7440593
	0.1	1	753199	7439609
	0.1	1	754072	7440356
	0.1	1	753994	7440679
	0.1	1	753940	7440445
	0.1	1	749114	7441239
	0.1	3	753640	7439724
	0.1	1	753986	7440444
	0.1	1	754092	7440394
	0.1	1	753863	7440567
	0.1	1	753959	7440210
	0.1	1	748634	7441175
	0.1	1	754031	7440589
	0.1	1	753983	7440512
	0.1	1	754217	7440751
	0.1	1	753149	7440659
	0.1	1	753161	7440166
	0.1	1	749114	7441239
	0.1	1	749238	7441203
	0.1	1	754123	7440533
	0.1	1	754154	7440672
	0.1	1	753155	7439833
	0.1	1	754275	7440751
	0.1	1	754027	7440515
	0.1	1	754000	7440347
	0.1	1	754117	7440476
	0.1	1	754026	7440518
	0.1	2	754148	7440633
	0.1	4	753652	7439738
	0.1	1	754132	7440542
	0.1	1	753158	7440560
	0.1	1	754144	7440764
	0.1	1	748515	7441183
0.1	1	753723	7440441	
0.1	1	753965	7440577	
0.1	1	754129	7440361	
0.1	1	753185	7439597	
0.1	1	754217	7440749	
0.1	1	754030	7440627	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754064	7440348
	0.1	1	754027	7440524
	0.1	1	753653	7439828
	0.1	1	748803	7441192
	0.1	1	754268	7440751
	0.1	1	753208	7440714
	0.1	1	753146	7439816
	0.1	1	749252	7441142
	0.1	1	753716	7439731
	0.1	1	754044	7440659
	0.1	1	753651	7440809
	0.1	1	753953	7440429
	0.1	1	753206	7439855
	0.1	1	753672	7439614
	0.1	1	748532	7441299
	0.1	1	754147	7440394
	0.1	1	753162	7440567
	0.1	1	753753	7440576
	0.1	1	753206	7440713
	0.1	1	754123	7440379
	0.1	1	749257	7441142
	0.1	1	753651	7439751
	0.1	1	754001	7440352
	0.1	1	753163	7440737
	0.1	1	753138	7439759
	0.1	1	753987	7440447
	0.1	1	753942	7440464
	0.1	1	748789	7441077
	0.1	1	754221	7440746
	0.1	1	753157	7440093
	0.1	1	753619	7439918
	0.1	1	753841	7440595
	0.1	1	753156	7440429
0.1	1	753948	7440433	
0.1	1	753154	7439746	
0.1	1	753146	7440749	
0.1	1	753958	7440434	
0.1	1	754097	7440315	
0.1	2	754004	7440501	
0.1	1	753204	7440715	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754119	7440456
	0.1	1	753172	7440630
	0.1	1	749264	7441143
	0.1	1	754028	7440626
	0.1	1	749231	7441128
	0.1	1	753723	7440440
	0.1	1	748741	7441211
	0.1	1	753200	7439594
	0.1	1	753968	7440518
	0.1	1	753165	7440625
	0.1	1	754026	7440421
	0.1	1	753960	7440435
	0.1	1	754101	7440335
	0.1	1	753146	7439704
	0.1	1	753160	7439878
	0.1	1	754067	7440349
	0.1	1	753650	7440497
	0.1	1	753169	7440148
	0.1	1	753202	7440716
	0.1	2	754114	7440477
	0.1	1	749265	7441147
	0.1	1	753192	7440053
	0.1	1	754219	7440744
	0.1	1	748392	7441038
	0.1	1	753171	7440622
	0.1	1	754049	7440560
	0.1	1	753650	7440590
	0.1	1	753714	7440513
	0.1	3	753148	7440575
	0.1	2	754138	7440665
	0.1	1	753194	7440195
	0.1	1	754099	7440478
	0.1	1	753216	7440794
	0.1	1	748788	7441101
0.1	1	754096	7440610	
0.1	1	754022	7440622	
0.1	1	753170	7440573	
0.1	1	753853	7440657	
0.1	1	754049	7440559	
0.1	1	753150	7440270	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753991	7440445
	0.1	1	749251	7441207
	0.1	1	753842	7440660
	0.1	1	753136	7439754
	0.1	1	749127	7441233
	0.1	1	754175	7440742
	0.1	1	753768	7440797
	0.1	1	753960	7440429
	0.1	1	753616	7439834
	0.1	1	753650	7440580
	0.1	2	753978	7440488
	0.1	1	753841	7440666
	0.1	1	754147	7440669
	0.1	1	754150	7440634
	0.1	1	753058	7441409
	0.1	1	753960	7440429
	0.1	1	753788	7440773
	0.1	1	754119	7440456
	0.1	1	753179	7440574
	0.1	1	753838	7440666
	0.1	1	754105	7440350
	0.1	1	753184	7440825
	0.1	1	748602	7441205
	0.1	1	753150	7439866
	0.1	1	749129	7441231
	0.1	1	748736	7441202
	0.1	1	753860	7440514
	0.1	1	754005	7440520
	0.1	1	754076	7440477
	0.1	1	753164	7440332
	0.1	1	749006	7441079
	0.1	1	753638	7439559
	0.1	2	754012	7440440
	0.1	1	753750	7440729
	0.1	1	754071	7440473
	0.1	1	754213	7440711
0.1	2	753640	7440460	
0.1	1	753958	7440427	
0.1	1	753197	7440493	
0.1	1	753981	7440482	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	754066	7440472
	0.1	1	753201	7439649
	0.1	1	749249	7441205
	0.1	1	754044	7440496
	0.1	1	753714	7440822
	0.1	1	753956	7440427
	0.1	1	753687	7439650
	0.1	1	753626	7439877
	0.1	1	753743	7440563
	0.1	1	753641	7439571
	0.1	1	749141	7441232
	0.1	1	753654	7440221
	0.1	1	754123	7440384
	0.1	1	754065	7440456
	0.1	1	754144	7440639
	0.1	1	753643	7439765
	0.1	1	753956	7440423
	0.1	1	753193	7440507
	0.1	1	753725	7439732
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	753157	7439661
	0.1	1	753179	7440085
	0.1	1	754072	7440278
	0.1	2	754009	7440441
	0.1	1	753163	7439878
	0.1	3	749238	7441131
	0.1	1	753191	7440530
	0.1	1	753181	7439650
	0.1	2	753629	7440732
	0.1	1	753945	7440429
	0.1	1	753945	7440437
	0.1	1	753173	7440490
	0.1	1	753987	7440509
	0.1	1	753844	7440704
	0.1	1	753844	7440532
	0.1	1	754225	7440705
	0.1	1	748733	7441200
	0.1	1	754074	7440453
	0.1	1	749246	7441206
	0.1	1	753665	7439644
	0.1	1	753837	7440534

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753727	7440508
	0.1	1	754070	7440279
	0.1	1	754113	7440392
	0.1	1	754054	7440623
	0.1	1	754024	7440625
	0.1	1	753201	7440526
	0.1	2	753997	7440468
	0.1	1	753622	7440759
	0.1	1	754073	7440450
	0.1	1	754035	7440491
	0.1	1	753205	7440532
	0.1	1	753163	7439654
	0.1	1	748662	7441202
	0.1	1	753999	7440541
	0.1	1	754091	7440348
	0.1	1	753210	7439670
	0.1	1	753716	7440815
	0.1	1	754070	7440447
	0.1	1	754123	7440462
	0.1	1	753185	7439944
	0.1	1	753197	7439610
	0.1	1	753206	7440538
	0.1	1	753725	7439833
	0.1	1	754157	7440618
	0.1	1	754018	7440473
	0.1	1	753645	7439579
	0.1	1	753190	7439663
	0.1	1	753163	7440480
	0.1	1	753985	7440437
	0.1	1	753208	7439813
	0.1	1	753719	7440733
	0.1	2	753156	7440593
	0.1	1	753166	7440561
	0.1	1	753852	7440839
0.1	1	754302	7440725	
0.1	2	754131	7440399	
0.1	1	749164	7441231	
0.1	1	753949	7440386	
0.1	1	753643	7440603	
0.1	1	753189	7440555	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	754221	7440680
	0.1	1	754098	7440687
	0.1	1	748733	7441205
	0.1	1	753163	7439881
	0.1	1	753854	7440841
	0.1	1	753998	7440509
	0.1	1	753720	7440665
	0.1	1	749145	7441249
	0.1	1	749267	7441208
	0.1	1	748657	7441267
	0.1	3	749239	7441132
	0.1	1	754158	7440608
	0.1	1	753183	7440558
	0.1	1	753138	7440131
	0.1	1	754103	7440474
	0.1	1	753988	7440439
	0.1	1	749056	7441419
	0.1	2	754010	7440563
	0.1	1	753154	7440601
	0.1	1	753157	7439718
	0.1	1	753952	7440309
	0.1	1	753185	7440558
	0.1	1	754220	7440635
	0.1	1	748671	7441198
	0.1	1	753973	7440449
	0.1	1	754097	7440419
	0.1	1	754203	7440733
	0.1	1	753176	7440561
	0.1	1	753724	7439727
	0.1	2	753998	7440472
	0.1	1	753174	7440255
	0.1	1	754080	7440553
	0.1	1	753837	7440537
	0.1	1	753722	7440665
0.1	1	753167	7440477	
0.1	1	749151	7441256	
0.1	1	754274	7440713	
0.1	1	754244	7440618	
0.1	1	753191	7440562	
0.1	1	753151	7439618	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753661	7440474
	0.1	1	754024	7440371
	0.1	1	754040	7440584
	0.1	2	753987	7440439
	0.1	3	753178	7440562
	0.1	1	753735	7440657
	0.1	4	753860	7440515
	0.1	2	754146	7440398
	0.1	1	754079	7440435
	0.1	1	753532	7440119
	0.1	2	753430	7440439
	0.1	1	752844	7440245
	0.1	1	753562	7440604
	0.1	3	753484	7440337
	0.1	1	753432	7440320
	0.1	1	751031	7440902
	0.1	1	752836	7439789
	0.1	1	753577	7440605
	0.1	1	753431	7440457
	0.1	1	753582	7440606
	0.1	1	753416	7440495
	0.1	1	753426	7440532
	0.1	1	752831	7439801
	0.1	2	753409	7440302
	0.1	1	750778	7441015
	0.1	1	752849	7440236
	0.1	1	750811	7441050
	0.1	1	752859	7440245
	0.1	1	753581	7440592
	0.1	1	752826	7439799
	0.1	1	753420	7440553
	0.1	1	753414	7440070
	0.1	1	752822	7439806
0.1	1	753586	7440576	
0.1	1	753049	7440474	
0.1	1	753422	7440554	
0.1	1	751166	7440836	
0.1	1	752814	7439825	
0.1	1	753425	7440588	
0.1	1	752855	7440443	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751178	7440812
	0.1	1	753589	7440573
	0.1	1	753431	7440587
	0.1	1	751160	7440788
	0.1	1	752805	7439829
	0.1	1	753576	7440476
	0.1	2	753428	7439796
	0.1	1	753582	7440471
	0.1	1	753430	7440602
	0.1	1	752830	7439984
	0.1	1	753559	7440464
	0.1	2	753419	7439791
	0.1	1	752817	7440349
	0.1	1	752857	7440660
	0.1	1	753421	7440790
	0.1	2	753415	7439792
	0.1	1	751178	7440576
	0.1	1	753098	7440621
	0.1	1	753424	7440790
	0.1	1	752950	7439757
	0.1	1	752853	7440671
	0.1	1	753414	7439790
	0.1	1	752824	7440444
	0.1	1	753099	7440574
	0.1	1	752858	7440693
	0.1	1	753425	7439776
	0.1	1	752813	7440461
	0.1	3	753567	7440087
	0.1	1	753096	7440578
	0.1	1	752868	7440694
	0.1	1	751188	7440296
	0.1	1	751166	7440231
	0.1	1	753570	7440039
	0.1	1	753093	7440575
0.1	3	753463	7440269	
0.1	1	753389	7440714	
0.1	1	751164	7440190	
0.1	1	752817	7440634	
0.1	1	753055	7440455	
0.1	1	752819	7440672	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753096	7440555
	0.1	1	753403	7440630
	0.1	1	752828	7440691
	0.1	1	753585	7439925
	0.1	1	753101	7440550
	0.1	1	752853	7440769
	0.1	1	753426	7439717
	0.1	1	753103	7440549
	0.1	1	753403	7440613
	0.1	1	751140	7440574
	0.1	1	752833	7440743
	0.1	1	752933	7440798
	0.1	1	751147	7440629
	0.1	1	752873	7440511
	0.1	1	753349	7439716
	0.1	1	753421	7439716
	0.1	1	752828	7440911
	0.1	1	753573	7439808
	0.1	3	753096	7440532
	0.1	1	752913	7440683
	0.1	1	753437	7439710
	0.1	1	752829	7440912
	0.1	1	753405	7440545
	0.1	1	753345	7440806
	0.1	1	751156	7440653
	0.1	1	752832	7440913
	0.1	1	753086	7440537
	0.1	1	753403	7440538
	0.1	1	751158	7440652
	0.1	1	753583	7439804
	0.1	1	753081	7440535
	0.1	1	753394	7440541
	0.1	3	753470	7440168
0.1	1	753431	7439707	
0.1	1	753085	7440511	
0.1	2	753403	7440533	
0.1	1	753421	7439673	
0.1	1	751152	7440733	
0.1	6	753570	7439776	
0.1	1	753083	7440509	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753407	7440503
	0.1	1	753037	7440429
	0.1	1	753409	7440501
	0.1	1	751085	7440985
	0.1	1	753391	7440482
	0.1	1	753429	7439672
	0.1	1	753569	7439733
	0.1	1	753092	7440424
	0.1	1	751072	7440939
	0.1	1	753574	7439728
	0.1	1	753086	7440411
	0.1	1	753351	7440768
	0.1	1	753584	7439667
	0.1	1	753081	7440407
	0.1	1	751069	7440921
	0.1	1	753086	7440360
	0.1	1	752931	7440630
	0.1	1	751067	7440920
	0.1	1	753424	7439573
	0.1	1	751072	7440907
	0.1	1	753576	7439602
	0.1	1	753391	7440432
	0.1	1	753340	7440761
	0.1	1	752914	7440610
	0.1	1	753501	7439502
	0.1	1	752923	7440573
	0.1	1	751079	7440900
	0.1	1	753544	7439491
	0.1	1	753404	7440424
	0.1	1	751067	7440849
	0.1	1	753337	7440754
	0.1	1	752917	7440566
	0.1	1	751078	7440796
0.1	1	753559	7439511	
0.1	1	753087	7440190	
0.1	1	753505	7439534	
0.1	1	753347	7439710	
0.1	1	753114	7440098	
0.1	1	753077	7440026	
0.1	1	752918	7440563	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751075	7440588
	0.1	1	753497	7439650
	0.1	1	751085	7440504
	0.1	1	753103	7440005
	0.1	1	753337	7440757
	0.1	1	753087	7439923
	0.1	1	753394	7440378
	0.1	1	753339	7440751
	0.1	1	752918	7440559
	0.1	1	751088	7440495
	0.1	1	751002	7440861
	0.1	1	753117	7439909
	0.1	1	753407	7440351
	0.1	1	753500	7439747
	0.1	1	751060	7440489
	0.1	1	753089	7439858
	0.1	2	753404	7440351
	0.1	1	753339	7440748
	0.1	1	752917	7440547
	0.1	1	751094	7440453
	0.1	1	753056	7440249
	0.1	1	753546	7439780
	0.1	1	753400	7440352
	0.1	1	751078	7440434
	0.1	1	753555	7439818
	0.1	1	753338	7440750
	0.1	1	753558	7439819
	0.1	1	753397	7440353
	0.1	1	753518	7439824
	0.1	2	751081	7440361
	0.1	1	753113	7439678
	0.1	1	751058	7440341
	0.1	1	753408	7440339
	0.1	1	753352	7440632
	0.1	1	753539	7439917
	0.1	1	752924	7440525
0.1	2	753086	7439651	
0.1	1	752926	7440525	
0.1	1	751200	7441174	
0.1	1	753396	7440323	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753091	7439650
	0.1	1	753352	7440601
	0.1	2	751051	7440422
	0.1	1	751208	7441171
	0.1	1	753097	7439649
	0.1	2	751051	7440426
	0.1	1	753551	7440041
	0.1	1	751198	7441044
	0.1	1	753105	7439640
	0.1	1	753399	7440316
	0.1	1	751195	7440974
	0.1	1	753397	7440313
	0.1	1	753344	7440562
	0.1	1	751042	7440481
	0.1	2	753077	7439647
	0.1	1	753393	7440303
	0.1	1	752918	7440473
	0.1	1	753543	7440103
	0.1	1	751194	7440948
	0.1	1	753343	7439705
	0.1	1	753491	7440252
	0.1	3	753336	7440515
	0.1	1	753537	7440109
	0.1	1	751195	7440942
	0.1	1	753490	7440323
	0.1	1	751208	7440908
	0.1	1	753076	7439658
	0.1	6	753348	7440517
	0.1	1	751206	7440840
	0.1	1	753391	7440212
	0.1	1	752922	7440334
	0.1	3	751214	7440829
	0.1	1	753078	7439659
0.1	1	753405	7440200	
0.1	1	750996	7440846	
0.1	1	753506	7440355	
0.1	1	753078	7439660	
0.1	2	753407	7440198	
0.1	1	752931	7440266	
0.1	1	751208	7440822	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	753080	7439662
	0.1	1	753344	7440481
	0.1	1	750982	7440900
	0.1	3	753080	7439665
	0.1	1	753398	7440171
	0.1	1	751199	7440783
	0.1	2	753076	7439667
	0.1	1	753337	7440474
	0.1	1	753510	7440388
	0.1	1	751216	7440751
	0.1	1	753073	7439669
	0.1	1	753486	7440392
	0.1	1	753339	7440472
	0.1	1	750985	7440896
	0.1	1	751210	7440702
	0.1	1	753552	7440412
	0.1	2	751215	7440639
	0.1	2	753063	7439674
	0.1	1	752874	7440414
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753544	7440429
	0.1	1	751216	7440610
	0.1	2	753078	7439671
	0.1	1	752919	7439822
	0.1	1	750988	7440887
	0.1	1	753548	7440442
	0.1	1	753080	7439670
	0.1	1	753490	7440394
	0.1	1	750965	7440883
	0.1	1	753550	7440443
	0.1	1	751212	7440356
	0.1	1	753085	7439670
	0.1	1	750955	7440871
	0.1	2	753079	7439694
	0.1	1	752926	7439819
	0.1	1	753492	7440394
	0.1	1	750967	7440846
	0.1	1	753080	7439695
	0.1	1	753406	7439691
	0.1	1	753345	7440419
	0.1	1	752929	7439791

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750978	7440843
	0.1	1	751197	7440181
	0.1	1	753067	7439701
	0.1	1	753495	7440395
	0.1	1	753539	7440492
	0.1	1	751205	7440193
	0.1	1	753063	7439708
	0.1	1	752918	7439760
	0.1	1	753498	7440394
	0.1	1	750983	7440831
	0.1	1	753042	7439899
	0.1	1	753552	7440497
	0.1	1	753392	7439626
	0.1	1	753355	7439667
	0.1	1	753555	7440499
	0.1	1	751116	7440730
	0.1	1	753064	7439844
	0.1	1	753399	7439566
	0.1	1	750965	7440821
	0.1	1	753545	7440513
	0.1	1	751117	7440751
	0.1	1	753385	7439514
	0.1	1	753344	7440364
	0.1	1	750965	7440824
	0.1	1	753383	7439515
	0.1	1	752912	7439749
	0.1	1	750965	7440807
	0.1	1	751120	7440766
	0.1	1	753084	7440135
	0.1	1	753499	7440526
	0.1	1	752944	7439769
	0.1	1	753550	7440557
	0.1	1	751117	7440859
0.1	1	750981	7440773	
0.1	1	753549	7440579	
0.1	1	753075	7440297	
0.1	1	753534	7440371	
0.1	1	753349	7440337	
0.1	1	750983	7440770	
0.1	1	753324	7439663	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753500	7440582
	0.1	1	750960	7440755
	0.1	1	753482	7439912
	0.1	1	751123	7440944
	0.1	1	753080	7440390
	0.1	2	753320	7439688
	0.1	1	753333	7440315
	0.1	1	752920	7439748
	0.1	1	751123	7440959
	0.1	1	753075	7440475
	0.1	1	753364	7440303
	0.1	1	750972	7440729
	0.1	1	753543	7440658
	0.1	1	751125	7440970
	0.1	1	753070	7440489
	0.1	2	753331	7439742
	0.1	1	752921	7439740
	0.1	1	753052	7439893
	0.1	1	753554	7440731
	0.1	1	751121	7441045
	0.1	1	753324	7439901
	0.1	2	753513	7440626
	0.1	1	750988	7440620
	0.1	1	751124	7441047
	0.1	1	753069	7440513
	0.1	1	753320	7439896
	0.1	1	753341	7440290
	0.1	2	750982	7440579
	0.1	1	753337	7439924
	0.1	2	750977	7440506
	0.1	1	751098	7440802
	0.1	1	753324	7440064
	0.1	1	752933	7439697
	0.1	1	750971	7440451
0.1	1	751105	7440785	
0.1	1	753067	7440524	
0.1	1	753071	7440547	
0.1	1	753356	7440278	
0.1	1	750984	7440416	
0.1	1	751104	7440735	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753072	7440574
	0.1	1	753314	7440114
	0.1	1	750979	7440410
	0.1	3	753463	7440698
	0.1	1	751094	7440709
	0.1	1	753073	7440575
	0.1	2	753495	7440656
	0.1	1	750982	7440364
	0.1	1	753483	7439845
	0.1	1	753317	7440129
	0.1	1	750977	7440342
	0.1	1	750996	7440836
	0.1	1	753070	7440582
	0.1	1	753329	7440148
	0.1	1	752940	7439679
	0.1	1	750965	7440338
	0.1	2	753471	7440615
	0.1	1	751098	7440550
	0.1	1	753076	7440583
	0.1	1	753315	7440236
	0.1	1	753470	7440613
	0.1	1	753327	7440262
	0.1	1	753338	7440218
	0.1	1	752952	7439680
	0.1	1	753487	7440706
	0.1	1	751098	7440549
	0.1	1	753064	7440651
	0.1	2	753319	7440432
	0.1	1	750973	7440290
	0.1	1	753477	7440607
	0.1	1	752947	7439777
	0.1	2	753318	7440461
	0.1	1	753492	7440707
0.1	2	750971	7440289	
0.1	1	753464	7440590	
0.1	1	752864	7440323	
0.1	1	753351	7440192	
0.1	1	750954	7440286	
0.1	1	751096	7440433	
0.1	1	753498	7440707	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752878	7440917
	0.1	1	751107	7440319
	0.1	1	753325	7440493
	0.1	1	750943	7440299
	0.1	3	751108	7440292
	0.1	2	753075	7440717
	0.1	1	753327	7440502
	0.1	1	752887	7440886
	0.1	1	750948	7440317
	0.1	1	753467	7440562
	0.1	1	753053	7440792
	0.1	1	752945	7439696
	0.1	1	750946	7440332
	0.1	1	753467	7440556
	0.1	1	751097	7440217
	0.1	2	753051	7440793
	0.1	1	752875	7440861
	0.1	2	750955	7440349
	0.1	1	753470	7440553
	0.1	1	751102	7440213
	0.1	1	753318	7440546
	0.1	1	753357	7440060
	0.1	1	753467	7440531
	0.1	2	751022	7440243
	0.1	1	753335	7439975
	0.1	1	752947	7439732
	0.1	2	753325	7440568
	0.1	1	753474	7440531
	0.1	1	753045	7439829
	0.1	1	753327	7440576
	0.1	1	753337	7439981
	0.1	1	752946	7439733
	0.1	2	753524	7440818
	0.1	1	753465	7440528
	0.1	1	753048	7440748
	0.1	1	753320	7440577
0.1	1	752865	7440700	
0.1	1	753348	7439972	
0.1	1	753324	7440600	
0.1	1	752945	7439737	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750947	7440565
	0.1	1	753484	7440513
	0.1	1	753045	7440639
	0.1	1	753328	7440624
	0.1	1	752877	7440656
	0.1	1	753356	7439976
	0.1	1	750951	7440565
	0.1	1	752938	7439731
	0.1	1	751021	7440577
	0.1	1	751028	7440795
	0.1	1	753041	7440613
	0.1	1	753355	7439969
	0.1	1	751034	7440797
	0.1	1	752940	7439739
	0.1	1	753528	7440707
	0.1	1	753355	7439585
	0.1	1	751036	7440798
	0.1	1	753354	7439966
	0.1	1	752942	7439740
	0.1	1	753471	7440390
	0.1	1	751037	7440795
	0.1	1	753042	7440599
	0.1	1	752951	7439800
	0.1	1	753332	7440737
	0.1	1	752944	7439742
	0.1	2	750955	7440751
	0.1	1	753462	7440394
	0.1	1	753056	7440582
	0.1	10	753322	7440273
	0.1	1	753520	7440591
	0.1	1	750956	7440760
	0.1	1	751018	7440849
	0.1	1	752870	7440604
	0.1	5	753329	7440316
	0.1	1	753326	7440771
	0.1	1	752946	7439741
0.1	1	751027	7440870	
0.1	4	753323	7440333	
0.1	1	753338	7439964	
0.1	1	753471	7440375	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753049	7440578
	0.1	1	753349	7439962
	0.1	1	750960	7440817
	0.1	1	752946	7439741
	0.1	1	753468	7440376
	0.1	1	753479	7439755
	0.1	1	753480	7440372
	0.1	1	751014	7440904
	0.1	1	753042	7440578
	0.1	1	752876	7440517
	0.1	1	750949	7440860
	0.1	1	753330	7439929
	0.1	1	752856	7440159
	0.1	1	753418	7440326
	0.1	1	752850	7440205
	0.1	1	752847	7440049
	0.1	1	753418	7440346
	0.1	1	753433	7440330
	0.1	2	753413	7440348
	0.1	1	752866	7439970
	0.1	1	752950	7439748
	0.1	2	753420	7440366
	0.1	1	753429	7440328
	0.1	1	753412	7440384
	0.1	1	752859	7439879
	0.1	1	753415	7440380
	0.1	1	750941	7440884
	0.1	1	752842	7439812
	0.1	1	752847	7439796
	0.1	1	753475	7440337
	0.1	1	753419	7440397
	0.1	1	753055	7440506
	0.1	1	752853	7439787
0.1	1	752860	7440013	
0.1	2	753431	7440318	
0.1	1	752850	7439783	
0.1	1	753415	7440416	
0.1	1	752842	7440232	
0.1	1	752849	7439782	
0.1	1	753566	7440805	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753519	7440458
	0.1	1	753576	7440792
	0.1	2	753409	7440425
	0.1	1	753433	7440319
	0.1	1	753567	7440655
	0.1	1	753055	7439734
	0.1	2	753417	7440428
	0.1	1	752841	7439780
	0.1	1	752963	7440789
	0.1	1	751030	7440425
	0.1	1	753462	7440549
	0.1	1	753020	7439641
	0.1	1	750965	7440720
	0.1	1	753394	7440235
	0.1	1	750947	7440554
	0.1	1	753032	7440208
	0.1	1	753474	7440713
	0.1	1	752943	7440570
	0.1	1	753049	7440755
	0.1	1	751031	7440287
	0.1	1	753014	7440456
	0.1	2	753574	7440817
	0.1	1	750953	7440506
	0.1	1	753369	7440768
	0.1	1	753393	7440433
	0.1	2	753377	7440369
	0.1	1	752970	7440786
	0.1	1	753055	7440756
	0.1	1	753479	7440361
	0.1	1	751028	7440257
	0.1	1	751028	7440902
	0.1	1	753471	7440530
	0.1	1	751182	7440338
0.1	1	750955	7440504	
0.1	4	753402	7440404	
0.1	1	753054	7440558	
0.1	1	751184	7440562	
0.1	1	753006	7440270	
0.1	1	753454	7439830	
0.1	1	750983	7440839	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753324	7439656
	0.1	1	753324	7440564
	0.1	1	753463	7440549
	0.1	1	753387	7440327
	0.1	1	753073	7439672
	0.1	1	750931	7440862
	0.1	1	753103	7440361
	0.1	2	753053	7440791
	0.1	1	752957	7440507
	0.1	1	753457	7440687
	0.1	1	753015	7440344
	0.1	1	750947	7440428
	0.1	1	751061	7440711
	0.1	1	753425	7440792
	0.1	1	752896	7439733
	0.1	1	753095	7439626
	0.1	2	753050	7440789
	0.1	1	752983	7439726
	0.1	2	750992	7440903
	0.1	1	753102	7440425
	0.1	1	752915	7439744
	0.1	1	752970	7440701
	0.1	3	751030	7440901
	0.1	1	753550	7439530
	0.1	1	753533	7440117
	0.1	1	753014	7439884
	0.1	3	753375	7440697
	0.1	1	753314	7440540
	0.1	1	752944	7440084
	0.1	1	753546	7440726
	0.1	1	753456	7440295
	0.1	2	753392	7439688
	0.1	1	751046	7440803
	0.1	1	752992	7440115
0.1	1	753116	7440139	
0.1	1	751043	7440899	
0.1	2	751084	7440360	
0.1	1	753562	7439639	
0.1	1	753327	7440520	
0.1	1	751111	7440251	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751123	7440991
	0.1	2	751042	7440398
	0.1	1	753398	7440392
	0.1	1	753594	7440451
	0.1	1	753558	7440040
	0.1	1	753005	7440448
	0.1	1	750974	7440899
	0.1	1	753366	7440674
	0.1	1	753466	7440573
	0.1	1	753033	7439636
	0.1	1	753087	7440229
	0.1	1	753067	7439981
	0.1	1	751095	7440712
	0.1	1	753554	7439598
	0.1	1	753365	7440074
	0.1	1	751146	7440224
	0.1	1	753578	7439886
	0.1	1	751072	7440496
	0.1	1	753075	7440716
	0.1	1	753097	7440536
	0.1	2	753451	7439549
	0.1	1	753555	7440469
	0.1	1	753395	7440436
	0.1	1	753446	7440556
	0.1	2	752897	7439732
	0.1	1	753468	7440571
	0.1	1	753392	7440605
	0.1	1	753549	7440172
	0.1	2	753461	7439642
	0.1	1	753533	7439903
	0.1	1	752874	7439972
	0.1	1	753452	7440209
	0.1	1	750942	7440286
0.1	1	750997	7440917	
0.1	1	753402	7440108	
0.1	1	753164	7439712	
0.1	1	753382	7440778	
0.1	1	752977	7439789	
0.1	1	750930	7440880	
0.1	1	753539	7440622	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	753319	7440491
	0.1	1	753074	7440713
	0.1	1	750970	7440781
	0.1	1	753389	7440255
	0.1	1	751072	7440263
	0.1	1	750929	7440505
	0.1	1	753082	7440507
	0.1	1	753394	7440341
	0.1	1	753368	7440037
	0.1	1	753485	7440591
	0.1	2	752895	7439734
	0.1	1	753388	7440396
	0.1	1	753007	7439912
	0.1	1	753326	7440481
	0.1	1	750933	7440880
	0.1	1	753078	7440655
	0.1	1	752976	7439702
	0.1	1	751113	7440939
	0.1	2	752902	7439742
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751098	7440520
	0.1	1	753011	7440543
	0.1	1	751011	7440900
	0.1	1	752994	7440417
	0.1	1	751090	7440644
	0.1	1	751073	7440430
	0.1	1	753431	7440592
	0.1	1	753585	7440743
	0.1	1	753073	7439655
	0.1	1	753391	7440711
	0.1	1	753070	7440656
	0.1	1	753393	7440189
	0.1	1	751093	7440548
	0.1	1	753400	7440603
	0.1	1	753090	7440564
	0.1	1	753015	7439911
	0.1	1	753445	7440298
	0.1	1	753537	7439626
	0.1	1	753572	7439659
	0.1	1	751173	7440487
	0.1	1	752993	7440459

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753320	7439877
	0.1	1	753539	7439916
	0.1	1	750918	7440275
	0.1	1	753528	7440289
	0.1	1	753467	7440615
	0.1	1	751192	7440210
	0.1	1	750981	7440309
	0.1	1	753606	7440577
	0.1	1	753583	7439747
	0.1	1	753571	7440042
	0.1	3	753475	7440162
	0.1	1	753582	7440426
	0.1	1	753553	7440457
	0.1	1	751000	7440868
	0.1	1	753061	7440625
	0.1	2	751095	7440550
	0.1	1	752873	7439813
	0.1	1	753048	7440337
	0.1	1	753006	7439832
	0.1	1	750982	7440311
	0.1	1	753467	7440565
	0.1	1	753385	7440382
	0.1	1	753542	7440517
	0.1	1	752829	7440909
	0.1	2	752906	7439766
	0.1	1	753546	7440340
	0.1	1	751096	7440619
	0.1	1	751185	7440338
	0.1	1	753536	7439746
	0.1	2	753473	7440614
	0.1	1	751054	7440487
	0.1	3	753548	7439695
	0.1	1	753550	7440350
0.1	3	753086	7439654	
0.1	1	753324	7439735	
0.1	1	752942	7440640	
0.1	1	752977	7439744	
0.1	1	753550	7440043	
0.1	1	751114	7440766	
0.1	1	753009	7440452	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	753483	7440153
	0.1	1	753062	7440516
	0.1	1	753068	7440574
	0.1	1	753405	7439697
	0.1	1	753088	7439653
	0.1	1	752898	7439725
	0.1	1	751105	7440686
	0.1	2	753012	7439693
	0.1	3	753464	7440625
	0.1	1	750981	7440631
	0.1	1	751203	7440805
	0.1	1	753016	7439871
	0.1	1	753553	7440024
	0.1	1	753084	7440038
	0.1	4	753374	7440696
	0.1	1	753446	7440673
	0.1	1	753386	7440375
	0.1	1	752946	7440701
	0.1	1	753318	7440124
	0.1	1	752826	7439799
	0.1	1	750913	7440623
	0.1	1	753004	7439768
	0.1	3	753479	7440152
	0.1	1	753065	7440098
	0.1	1	751000	7440860
	0.1	1	751193	7440250
	0.1	1	753534	7439740
	0.1	1	752977	7439691
	0.1	1	753477	7440716
	0.1	1	753045	7440146
	0.1	1	753446	7440603
	0.1	2	753396	7440377
	0.1	1	750994	7440405
0.1	1	751145	7440764	
0.1	1	753391	7440254	
0.1	1	753396	7440436	
0.1	1	753581	7440594	
0.1	1	753447	7440287	
0.1	1	752941	7440631	
0.1	1	753592	7439523	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753010	7440476
	0.1	1	753082	7439643
	0.1	1	752972	7440572
	0.1	1	753091	7440536
	0.1	1	753577	7439812
	0.1	1	752890	7440315
	0.1	1	752967	7439697
	0.1	3	753464	7440129
	0.1	1	753526	7439693
	0.1	1	753431	7440801
	0.1	1	753419	7440718
	0.1	1	753528	7440279
	0.1	1	753575	7439810
	0.1	1	753587	7439530
	0.1	1	752974	7440661
	0.1	1	753043	7440088
	0.1	1	750984	7440902
	0.1	1	753380	7440464
	0.1	1	752986	7440524
	0.1	1	753596	7440540
	0.1	1	751182	7440677
	0.1	1	753407	7439739
	0.1	1	753100	7440533
	0.1	3	750927	7440266
	0.1	1	753552	7440457
	0.1	1	753590	7439522
	0.1	1	751140	7440648
	0.1	1	752822	7440435
	0.1	1	752830	7439873
	0.1	1	753560	7440465
	0.1	1	753079	7440512
	0.1	1	753606	7440613
	0.1	4	753368	7440540
0.1	1	753450	7439750	
0.1	1	752964	7440504	
0.1	1	752816	7440593	
0.1	1	753403	7440063	
0.1	1	751049	7440482	
0.1	1	753471	7440127	
0.1	1	753573	7440363	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	750998	7440846
	0.1	1	753364	7440191
	0.1	1	751206	7441167
	0.1	1	753001	7440728
	0.1	1	753415	7440783
	0.1	1	753043	7439637
	0.1	1	753007	7439691
	0.1	1	753569	7440468
	0.1	1	753552	7440024
	0.1	1	752964	7440494
	0.1	1	751178	7440756
	0.1	1	753016	7439863
	0.1	1	751165	7440932
	0.1	1	752832	7439872
	0.1	1	751164	7440659
	0.1	1	753432	7440799
	0.1	1	753456	7440640
	0.1	2	753450	7439735
	0.1	1	750930	7440506
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753548	7440745
	0.1	1	753608	7440617
	0.1	1	753525	7439750
	0.1	1	753612	7440533
	0.1	1	753571	7439775
	0.1	1	753605	7439662
	0.1	1	753466	7440697
	0.1	1	753408	7440793
	0.1	1	753535	7439905
	0.1	1	753415	7440548
	0.1	1	751000	7440845
	0.1	1	753103	7440642
	0.1	1	751083	7440263
	0.1	2	753398	7440351
	0.1	2	753446	7439632
	0.1	1	753546	7440401
	0.1	1	750923	7440555
	0.1	1	753603	7439664
	0.1	1	752898	7439769
	0.1	1	753606	7439503
	0.1	1	750996	7440405

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753550	7439693
	0.1	1	753416	7440558
	0.1	1	753001	7440487
	0.1	1	752992	7440457
	0.1	1	753617	7439495
	0.1	1	753456	7440650
	0.1	1	753411	7440786
	0.1	1	752999	7440755
	0.1	1	753330	7440120
	0.1	2	753523	7440175
	0.1	1	751087	7440926
	0.1	1	752996	7440510
	0.1	1	753376	7440375
	0.1	1	752919	7439761
	0.1	3	753591	7440596
	0.1	1	753604	7439736
	0.1	1	752806	7439833
	0.1	2	753021	7439702
	0.1	1	753092	7440577
	0.1	1	751185	7440679
	0.1	1	753373	7440621
	0.1	1	753089	7439816
	0.1	1	752969	7440703
	0.1	1	753048	7439882
	0.1	2	753575	7440089
	0.1	1	753574	7440363
	0.1	1	753007	7439690
	0.1	1	753575	7439811
	0.1	1	753603	7440598
	0.1	1	750989	7440327
	0.1	1	751161	7440659
	0.1	1	750931	7440587
	0.1	3	753586	7439745
	0.1	2	753454	7439715
0.1	1	751115	7440764	
0.1	1	753520	7439774	
0.1	1	753390	7440442	
0.1	1	751204	7440942	
0.1	1	752893	7440517	
0.1	1	752992	7440491	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752993	7440502
	0.1	1	753395	7440602
	0.1	1	753466	7439793
	0.1	1	752899	7439723
	0.1	1	750992	7440814
	0.1	2	753375	7440620
	0.1	1	753371	7440430
	0.1	1	753085	7440503
	0.1	1	753406	7440318
	0.1	1	753397	7440161
	0.1	1	753050	7439654
	0.1	1	753475	7440711
	0.1	1	752813	7440234
	0.1	1	753559	7440459
	0.1	1	753451	7440808
	0.1	1	750976	7440901
	0.1	1	752904	7440548
	0.1	1	752984	7439769
	0.1	1	753551	7440058
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	4	751054	7440426
	0.1	2	753382	7440620
	0.1	1	750970	7440423
	0.1	1	752993	7440114
	0.1	1	752826	7440506
	0.1	1	752833	7440405
	0.1	1	752869	7439821
	0.1	1	753076	7440636
	0.1	1	750987	7440756
	0.1	1	752915	7440580
	0.1	1	752991	7440556
	0.1	1	752910	7439794
	0.1	1	753027	7439746
	0.1	1	753552	7440545
	0.1	1	752869	7439809
	0.1	1	752903	7439797
	0.1	1	753456	7440236
	0.1	1	753419	7440788
	0.1	1	753539	7440621
	0.1	1	752993	7440501
	0.1	1	751163	7440650

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753588	7440572
	0.1	1	753445	7440660
	0.1	1	753111	7440576
	0.1	1	751142	7440646
	0.1	1	752900	7440578
	0.1	1	752989	7439920
	0.1	1	752895	7439731
	0.1	1	753446	7440808
	0.1	1	752974	7439692
	0.1	1	753599	7440596
	0.1	1	753559	7440456
	0.1	2	753608	7439923
	0.1	1	753327	7440098
	0.1	1	753379	7440383
	0.1	1	751005	7440352
	0.1	1	753405	7440795
	0.1	1	753487	7439664
	0.1	1	753381	7440643
	0.1	1	753326	7439572
	0.1	1	752986	7439922
	0.1	2	751089	7440900
	0.1	3	753379	7440383
	0.1	1	751178	7441024
	0.1	1	751141	7440899
	0.1	1	753407	7440335
	0.1	1	753566	7439772
	0.1	1	753098	7440629
	0.1	1	753003	7440745
	0.1	1	752996	7440743
	0.1	1	753397	7440453
	0.1	1	753066	7440304
	0.1	1	752941	7440483
	0.1	1	753461	7440271
	0.1	1	750957	7440753
0.1	3	753460	7440192	
0.1	1	750925	7440371	
0.1	1	753393	7440479	
0.1	1	751195	7440577	
0.1	1	753013	7439736	
0.1	1	751148	7440671	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752910	7439757
	0.1	1	752897	7440611
	0.1	1	753534	7439836
	0.1	1	750925	7440370
	0.1	1	752916	7439744
	0.1	2	753462	7440185
	0.1	1	752988	7440746
	0.1	1	753363	7440191
	0.1	1	753000	7440529
	0.1	1	751119	7440940
	0.1	6	753578	7439795
	0.1	1	753546	7440583
	0.1	2	753404	7440339
	0.1	2	753404	7440317
	0.1	1	753593	7439915
	0.1	1	753465	7440404
	0.1	1	750971	7440820
	0.1	1	753576	7439887
	0.1	1	753419	7440546
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753391	7440429
	0.1	1	753060	7440580
	0.1	1	753102	7439708
	0.1	1	751077	7440902
	0.1	1	752832	7439802
	0.1	1	753546	7440395
	0.1	1	752879	7439797
	0.1	1	753380	7440703
	0.1	1	752991	7439666
	0.1	1	752978	7439727
	0.1	1	753073	7439658
	0.1	1	753450	7440687
	0.1	1	753098	7440277
	0.1	1	753328	7440742
	0.1	1	752985	7440746
	0.1	1	753400	7440098
	0.1	1	752903	7439794
	0.1	2	753453	7440389
	0.1	1	750963	7440803
	0.1	1	750937	7441210
	0.1	1	753377	7440414

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753555	7439963
	0.1	1	753007	7439916
	0.1	1	751088	7440986
	0.1	1	751032	7440831
	0.1	1	751057	7440357
	0.1	1	753457	7440398
	0.1	1	753562	7439555
	0.1	1	753582	7440595
	0.1	1	752829	7440706
	0.1	1	751048	7440820
	0.1	2	750953	7440752
	0.1	1	753112	7440252
	0.1	1	753065	7440585
	0.1	2	753398	7440425
	0.1	1	751150	7440400
	0.1	1	753097	7440432
	0.1	2	752914	7439768
	0.1	1	753322	7440684
	0.1	1	753323	7440779
	0.1	1	753100	7439849
	0.1	1	753330	7439553
	0.1	1	750932	7440736
	0.1	1	753051	7440597
	0.1	1	750918	7440755
	0.1	1	753469	7440396
	0.1	2	750950	7440752
	0.1	1	753594	7439479
	0.1	1	753572	7439602
	0.1	1	753555	7440132
	0.1	1	751050	7440818
	0.1	1	753324	7440679
	0.1	1	750958	7440816
	0.1	1	753064	7439810
0.1	1	753359	7440308	
0.1	3	753441	7440201	
0.1	1	753388	7439725	
0.1	1	753049	7440599	
0.1	1	750993	7440507	
0.1	1	753000	7440417	
0.1	2	751017	7440900	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	753579	7440578
	0.1	1	753484	7440468
	0.1	1	753589	7440538
	0.1	1	750921	7440378
	0.1	1	750954	7440716
	0.1	1	753007	7439687
	0.1	1	753324	7440639
	0.1	3	753398	7440612
	0.1	1	752995	7440400
	0.1	2	753314	7440814
	0.1	1	753523	7439692
	0.1	1	752993	7440553
	0.1	1	753483	7440470
	0.1	1	753468	7440716
	0.1	1	750930	7440808
	0.1	1	751072	7440905
	0.1	2	753085	7439651
	0.1	1	753102	7440576
	0.1	1	753401	7439928
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750952	7440685
	0.1	2	753534	7439642
	0.1	1	752963	7440788
	0.1	1	753107	7440242
	0.1	1	753031	7440114
	0.1	1	753324	7440628
	0.1	2	753605	7440576
	0.1	1	753046	7440614
	0.1	1	751129	7440688
	0.1	1	753464	7440486
	0.1	1	752944	7440569
	0.1	1	752810	7439828
	0.1	1	753560	7439512
	0.1	1	751016	7440902
	0.1	1	753552	7439747
	0.1	1	752999	7440398
	0.1	1	752816	7439824
	0.1	1	753557	7439874
	0.1	1	753046	7440573
	0.1	1	753604	7440366
	0.1	1	751027	7440518

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750915	7440282
	0.1	1	753447	7440544
	0.1	1	753407	7440333
	0.1	1	753105	7440240
	0.1	1	751057	7440840
	0.1	1	753095	7440305
	0.1	1	753342	7439571
	0.1	1	753587	7440574
	0.1	1	753564	7440377
	0.1	1	753040	7440641
	0.1	1	753048	7439641
	0.1	1	753393	7439687
	0.1	1	751030	7440423
	0.1	1	753482	7440515
	0.1	1	753529	7439692
	0.1	2	750957	7440820
	0.1	1	750940	7440560
	0.1	1	753569	7440167
	0.1	1	753408	7440414
	0.1	1	751148	7440387
	0.1	1	753068	7440516
	0.1	1	752995	7440553
	0.1	1	751167	7440895
	0.1	1	751214	7440830
	0.1	1	752835	7440423
	0.1	1	752825	7439793
	0.1	1	753002	7440271
	0.1	5	753007	7439689
	0.1	1	752940	7440465
	0.1	1	753348	7440765
	0.1	1	752944	7439694
	0.1	1	752894	7440618
	0.1	1	753042	7439714
	0.1	1	753347	7440173
0.1	1	752969	7440701	
0.1	1	753417	7439642	
0.1	1	753529	7439702	
0.1	1	753523	7440460	
0.1	4	752912	7440647	
0.1	1	753378	7440098	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753351	7440277
	0.1	2	753456	7439681
	0.1	1	753565	7440596
	0.1	1	752864	7440322
	0.1	1	753383	7439630
	0.1	1	753432	7440440
	0.1	1	752994	7440404
	0.1	1	753525	7440333
	0.1	1	752944	7440627
	0.1	1	752916	7440637
	0.1	2	753522	7440604
	0.1	2	750916	7440540
	0.1	1	753604	7440474
	0.1	2	752895	7440358
	0.1	1	753013	7439730
	0.1	1	752988	7440738
	0.1	2	752890	7440621
	0.1	1	753524	7440575
	0.1	1	753525	7439696
	0.1	1	753018	7439661
	0.1	2	753506	7440639
	0.1	1	752958	7439693
	0.1	3	753612	7439500
	0.1	1	752975	7440581
	0.1	1	752914	7440643
	0.1	1	752851	7440006
	0.1	1	753348	7440776
	0.1	1	752868	7440627
	0.1	1	753041	7439701
	0.1	1	752845	7440230
	0.1	1	752869	7439967
	0.1	1	753351	7439969
	0.1	1	752935	7439696
	0.1	1	752891	7440517
	0.1	1	752978	7440312
	0.1	1	753456	7440661
0.1	1	752925	7439875	
0.1	1	752985	7440426	
0.1	1	753026	7439733	
0.1	1	752911	7440646	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	753387	7440630
	0.1	1	753351	7440783
	0.1	1	750928	7440558
	0.1	3	753460	7440272
	0.1	1	752894	7440616
	0.1	1	752948	7439756
	0.1	1	753025	7439633
	0.1	1	752957	7439690
	0.1	1	753428	7440263
	0.1	1	752910	7440645
	0.1	1	753358	7440211
	0.1	1	752902	7439798
	0.1	1	753501	7440649
	0.1	1	752876	7440630
	0.1	1	752832	7439799
	0.1	3	753605	7440742
	0.1	1	750938	7440814
	0.1	1	753044	7439670
	0.1	1	753483	7440399
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	753507	7440188
	0.1	1	753008	7439680
	0.1	2	753409	7440421
	0.1	1	752995	7439922
	0.1	1	753351	7439649
	0.1	1	753359	7440257
	0.1	1	752936	7439696
	0.1	1	753345	7440835
	0.1	1	753386	7440215
	0.1	1	752930	7440069
	0.1	1	753495	7440237
	0.1	1	753002	7440535
	0.1	1	753461	7440267
	0.1	1	752946	7440650
	0.1	2	752906	7439782
	0.1	1	753015	7439912
	0.1	1	753015	7440198
	0.1	1	753523	7440447
	0.1	1	750931	7440735
	0.1	1	753035	7439704
	0.1	1	753453	7439756

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752847	7440238
	0.1	1	752901	7439745
	0.1	1	753375	7440254
	0.1	1	750937	7440880
	0.1	1	752943	7440661
	0.1	1	750923	7440368
	0.1	1	750913	7440843
	0.1	1	752873	7440506
	0.1	2	753501	7440200
	0.1	1	753350	7440242
	0.1	1	753502	7440698
	0.1	1	753372	7440608
	0.1	3	753519	7439683
	0.1	1	753451	7440378
	0.1	1	752936	7439684
	0.1	1	753432	7439723
	0.1	1	753028	7439638
	0.1	1	752871	7440694
	0.1	1	753501	7440388
	0.1	1	753366	7440268
	0.1	2	750930	7440590
	0.1	1	753593	7440444
	0.1	1	753354	7439964
	0.1	1	753523	7440581
	0.1	1	753341	7440231
	0.1	1	752981	7440552
	0.1	1	750997	7440585
	0.1	1	752938	7440459
	0.1	1	752911	7439756
	0.1	1	753495	7440681
	0.1	1	753008	7439691
	0.1	4	753460	7440696
	0.1	1	752983	7439675
	0.1	1	752889	7440515
0.1	1	753447	7440144	
0.1	1	752967	7439692	
0.1	2	753414	7439769	
0.1	1	752941	7440676	
0.1	1	753599	7439714	
0.1	1	752948	7439758	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753608	7440534
	0.1	1	753378	7440450
	0.1	1	753351	7440625
	0.1	1	752993	7439670
	0.1	1	753426	7440325
	0.1	1	753518	7439679
	0.1	1	753379	7439578
	0.1	1	753016	7439680
	0.1	1	753008	7440492
	0.1	1	753351	7440404
	0.1	1	753455	7440569
	0.1	1	753370	7440301
	0.1	1	753592	7439864
	0.1	5	753451	7440278
	0.1	1	750999	7440506
	0.1	1	752980	7439787
	0.1	4	753386	7440687
	0.1	1	753426	7440338
	0.1	1	753346	7440485
	0.1	1	753375	7440589
	0.1	1	752979	7440588
	0.1	1	750924	7440708
	0.1	1	753415	7440414
	0.1	1	752872	7439972
	0.1	1	753585	7440819
	0.1	1	753050	7439701
	0.1	1	753524	7440444
	0.1	1	752905	7440500
	0.1	1	753371	7440679
	0.1	2	753590	7439773
	0.1	1	750996	7440278
	0.1	1	752984	7439673
	0.1	1	753581	7440605
	0.1	1	752938	7440791
0.1	1	753456	7440631	
0.1	1	752865	7440466	
0.1	1	753385	7440631	
0.1	2	753601	7440622	
0.1	1	752847	7439780	
0.1	1	753000	7440534	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752914	7440642
	0.1	1	753589	7440575
	0.1	1	753510	7439581
	0.1	1	753367	7440302
	0.1	1	752965	7440474
	0.1	1	752859	7440138
	0.1	1	753367	7440569
	0.1	1	753611	7439501
	0.1	1	752934	7440793
	0.1	1	750924	7440480
	0.1	1	752857	7440652
	0.1	1	752907	7440610
	0.1	2	753441	7439538
	0.1	1	753381	7440384
	0.1	1	753585	7440819
	0.1	1	752909	7440496
	0.1	2	753419	7439793
	0.1	1	750926	7440725
	0.1	1	753000	7440538
	0.1	1	753512	7439581
	0.1	1	753524	7440283
	0.1	1	753043	7439639
	0.1	1	752934	7439765
	0.1	1	752991	7439672
	0.1	1	752915	7439763
	0.1	1	752861	7440604
	0.1	1	752917	7439747
	0.1	1	753588	7440639
	0.1	1	753050	7439645
	0.1	1	753382	7440564
	0.1	1	753420	7439796
	0.1	1	753014	7439879
	0.1	1	752846	7440589
0.1	1	753579	7440607	
0.1	1	753516	7439564	
0.1	1	753503	7440213	
0.1	1	752914	7439749	
0.1	1	752895	7440495	
0.1	1	752994	7440419	
0.1	1	753590	7440597	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752835	7440228
	0.1	1	753363	7440348
	0.1	1	752837	7439795
	0.1	1	753458	7440551
	0.1	1	753596	7439654
	0.1	1	753501	7440198
	0.1	1	752925	7440489
	0.1	1	751000	7440374
	0.1	1	753044	7439640
	0.1	1	753454	7440573
	0.1	1	753468	7440571
	0.1	1	752843	7440229
	0.1	1	753002	7439769
	0.1	1	752947	7439741
	0.1	1	753610	7439500
	0.1	1	750918	7440871
	0.1	2	753413	7440391
	0.1	1	752852	7440448
	0.1	1	752844	7440245
	0.1	1	752997	7440408
	0.1	1	752906	7440470
	0.1	1	753375	7440448
	0.1	1	752969	7440571
	0.1	1	753525	7439519
	0.1	1	752979	7439726
	0.1	1	752912	7439768
	0.1	1	752947	7440404
	0.1	1	753431	7440323
	0.1	1	752908	7440469
	0.1	1	753420	7439996
	0.1	1	753349	7440347
	0.1	1	753458	7440274
	0.1	1	753599	7439552
	0.1	1	753592	7440260
0.1	1	753413	7440022	
0.1	1	752905	7440588	
0.1	1	753526	7440155	
0.1	1	752906	7440579	
0.1	1	752869	7439819	
0.1	1	750912	7440347	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	753532	7439512
	0.1	1	752994	7439689
	0.1	1	752893	7440613
	0.1	1	753367	7439689
	0.1	2	753453	7439712
	0.1	1	753448	7440654
	0.1	2	753454	7439544
	0.1	1	753518	7440738
	0.1	1	753456	7440126
	0.1	2	753365	7440377
	0.1	3	753468	7440376
	0.1	1	753343	7440573
	0.1	3	753592	7440435
	0.1	1	752921	7440531
	0.1	1	752973	7440784
	0.1	1	752998	7440416
	0.1	1	753494	7439747
	0.1	1	753523	7439906
	0.1	1	753340	7439553
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752931	7440518
	0.1	1	753561	7440806
	0.1	1	753352	7440694
	0.1	1	752957	7440505
	0.1	1	753594	7440812
	0.1	1	753379	7439709
	0.1	1	752849	7440285
	0.1	4	753380	7440507
	0.1	1	753447	7440213
	0.1	1	753530	7439510
	0.1	1	752867	7439967
	0.1	1	753341	7440445
	0.1	1	753374	7440410
	0.1	1	752997	7440739
	0.1	1	753521	7440476
	0.1	1	752999	7440487
	0.1	1	750932	7440736
	0.1	1	753029	7439676
	0.1	1	752919	7440527
	0.1	1	750919	7440575
	0.1	1	753501	7440598

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753525	7440707
	0.1	1	753415	7440410
	0.1	2	753524	7439902
	0.1	1	753572	7440655
	0.1	1	753444	7440805
	0.1	2	753448	7439628
	0.1	1	753018	7439684
	0.1	1	752946	7440476
	0.1	1	752893	7440369
	0.1	1	753514	7439719
	0.1	1	752866	7440701
	0.1	1	752909	7440497
	0.1	1	753353	7440409
	0.1	1	753370	7440433
	0.1	1	753504	7440710
	0.1	1	753381	7439727
	0.1	1	752934	7440524
	0.1	1	752986	7440527
	0.1	1	753382	7439666
	0.1	1	752847	7440275
	0.1	1	753457	7440274
	0.1	1	752975	7440656
	0.1	1	750999	7440487
	0.1	1	753000	7439915
	0.1	1	753594	7440539
	0.1	1	753465	7440115
	0.1	1	752917	7440560
	0.1	1	753357	7440449
	0.1	1	752982	7440750
	0.1	1	752983	7440527
	0.1	1	753372	7439926
	0.1	1	753596	7439548
	0.1	1	753594	7440441
	0.1	1	753029	7439680
0.1	1	753000	7439915	
0.1	1	752891	7440314	
0.1	1	753494	7440582	
0.1	1	753510	7440617	
0.1	1	752876	7440808	
0.1	1	753433	7440437	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752946	7440521
	0.1	1	753612	7440632
	0.1	1	752841	7439783
	0.1	1	753503	7440708
	0.1	1	752995	7440416
	0.1	1	753336	7440755
	0.1	1	753590	7440438
	0.1	1	753417	7440078
	0.1	1	753594	7440614
	0.1	1	753489	7440394
	0.1	1	753533	7440309
	0.1	1	753340	7440525
	0.1	1	752997	7440418
	0.1	1	753343	7440298
	0.1	1	753371	7440811
	0.1	1	752926	7439730
	0.1	1	752955	7439711
	0.1	1	752974	7440426
	0.1	1	753444	7440438
	0.1	1	753429	7440329
	0.1	1	753509	7439534
	0.1	1	753018	7440117
	0.1	1	750916	7440280
	0.1	3	753527	7439490
	0.1	1	751004	7440353
	0.1	1	752874	7440513
	0.1	1	752866	7440546
	0.1	1	753005	7440644
	0.1	1	752871	7440637
	0.1	1	752874	7440527
	0.1	1	753508	7440704
	0.1	4	753442	7440792
	0.1	1	752848	7439780
	0.1	1	753340	7440757
0.1	1	753590	7439780	
0.1	2	753453	7439709	
0.1	1	750997	7440515	
0.1	1	752908	7440309	
0.1	1	753360	7439732	
0.1	1	753428	7440542	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753025	7439747
	0.1	1	753495	7439895
	0.1	2	753522	7439707
	0.1	1	752899	7439732
	0.1	1	753374	7440076
	0.1	1	752901	7439781
	0.1	1	753361	7440121
	0.1	1	752983	7440748
	0.1	1	752938	7440575
	0.1	1	752994	7440469
	0.1	1	753018	7439840
	0.1	1	752932	7439711
	0.1	1	752919	7439860
	0.1	1	753507	7440711
	0.1	1	752976	7439689
	0.1	1	753526	7439703
	0.1	1	753051	7439700
	0.1	1	750915	7440276
	0.1	1	753449	7440208
	0.1	1	753379	7440097
	0.1	1	750927	7440568
	0.1	1	753502	7440507
	0.1	1	752850	7439785
	0.1	1	753470	7439778
	0.1	1	752841	7439783
	0.1	1	752942	7440574
	0.1	1	753444	7440479
	0.1	3	753493	7440638
	0.1	1	752782	7440681
	0.1	2	753220	7439641
	0.1	1	752497	7439958
	0.1	1	753218	7439994
	0.1	1	750897	7440907
0.1	1	752567	7440176	
0.1	1	752485	7439968	
0.1	1	753220	7440007	
0.1	1	753230	7439624	
0.1	1	750672	7440579	
0.1	1	748819	7441701	
0.1	1	752428	7440345	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752478	7439982
	0.1	1	753212	7440038
	0.1	1	752565	7440198
	0.1	1	753272	7440195
	0.1	1	752567	7439933
	0.1	1	750770	7440364
	0.1	1	752468	7439984
	0.1	1	753223	7440135
	0.1	1	753236	7439619
	0.1	1	752572	7440229
	0.1	1	752751	7440532
	0.1	3	752467	7439987
	0.1	1	750670	7440540
	0.1	1	752574	7440272
	0.1	1	750824	7440518
	0.1	1	752469	7439986
	0.1	1	752578	7439936
	0.1	1	752573	7440273
	0.1	1	750821	7440526
	0.1	1	753228	7440259
	0.1	1	750675	7440514
	0.1	1	752573	7440275
	0.1	1	750818	7440528
	0.1	1	752583	7439940
	0.1	1	753231	7439588
	0.1	1	750675	7440514
	0.1	1	752574	7440278
	0.1	1	750819	7440530
	0.1	1	752481	7440015
	0.1	1	753224	7440332
	0.1	1	750817	7440529
	0.1	1	751917	7441087
	0.1	1	752477	7440014
0.1	1	750816	7440531	
0.1	1	752468	7440017	
0.1	1	753215	7440456	
0.1	1	748666	7441850	
0.1	1	750821	7440544	
0.1	1	753220	7440472	
0.1	1	750784	7440502	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752564	7440301
	0.1	1	750813	7440530
	0.1	1	752469	7440028
	0.1	1	753227	7440507
	0.1	1	748640	7441874
	0.1	1	750649	7440541
	0.1	1	752555	7440332
	0.1	1	750821	7440573
	0.1	2	752471	7440108
	0.1	1	753228	7440527
	0.1	1	750595	7440745
	0.1	1	750826	7440614
	0.1	1	752610	7440960
	0.1	1	752470	7440117
	0.1	1	750578	7440534
	0.1	2	753229	7440535
	0.1	1	750819	7440620
	0.1	1	753223	7440536
	0.1	1	752585	7439930
	0.1	1	750785	7440510
	0.1	1	752581	7440426
	0.1	1	752473	7440173
	0.1	1	753218	7440541
	0.1	1	750582	7440485
	0.1	2	752506	7440696
	0.1	1	752474	7440204
	0.1	1	750552	7440516
	0.1	3	753272	7440163
	0.1	1	753277	7439748
	0.1	1	750827	7440721
	0.1	1	752471	7440212
	0.1	1	753217	7440545
	0.1	1	750782	7440516
	0.1	1	753294	7439843
0.1	1	752586	7440472	
0.1	1	750816	7440776	
0.1	1	753223	7440544	
0.1	1	752745	7440498	
0.1	1	752581	7440481	
0.1	1	750834	7440799	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753224	7440548
	0.1	1	750538	7440689
	0.1	1	751887	7440785
	0.1	1	752467	7440227
	0.1	1	753298	7439842
	0.1	1	750831	7440804
	0.1	1	753222	7440565
	0.1	1	752494	7440712
	0.1	1	750464	7440573
	0.1	1	752587	7440491
	0.1	1	750833	7440809
	0.1	1	752469	7440285
	0.1	1	753217	7440570
	0.1	1	750437	7440570
	0.1	1	752587	7440489
	0.1	1	750826	7440865
	0.1	1	752465	7440284
	0.1	1	752595	7439917
	0.1	1	750435	7440573
	0.1	1	750825	7440867
	0.1	1	752462	7440288
	0.1	1	753215	7440577
	0.1	1	753299	7439845
	0.1	1	750827	7440962
	0.1	1	752472	7440334
	0.1	1	753218	7440574
	0.1	1	752491	7440714
	0.1	1	750438	7440578
	0.1	1	752479	7440335
	0.1	1	753219	7440573
	0.1	1	752600	7439920
	0.1	1	750457	7440730
	0.1	1	752571	7440607
0.1	1	753268	7440024	
0.1	1	750808	7440859	
0.1	1	752484	7440332	
0.1	1	753221	7440575	
0.1	1	751326	7440960	
0.1	1	753294	7439862	
0.1	1	750375	7440635	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750810	7440861
	0.1	1	753223	7440574
	0.1	1	750775	7440598
	0.1	1	750346	7440513
	0.1	1	752575	7440618
	0.1	1	750797	7440812
	0.1	1	753219	7440614
	0.1	1	752564	7440655
	0.1	1	750796	7440736
	0.1	1	752468	7440356
	0.1	1	753218	7440649
	0.1	1	753221	7440780
	0.1	1	752590	7440100
	0.1	2	752524	7440195
	0.1	1	750809	7440550
	0.1	1	752473	7440364
	0.1	1	753297	7439861
	0.1	1	752567	7440715
	0.1	1	750808	7440487
	0.1	1	752493	7440747
	0.1	1	753220	7440831
	0.1	1	750777	7440808
	0.1	1	751991	7441103
	0.1	1	753300	7439865
	0.1	1	752504	7440779
	0.1	1	752467	7440467
	0.1	1	751994	7441074
	0.1	1	750715	7440494
	0.1	1	753260	7440013
	0.1	1	752009	7441056
	0.1	1	752582	7440265
	0.1	1	750775	7440847
	0.1	1	752581	7440756
	0.1	1	752471	7440522
0.1	1	751998	7441057	
0.1	1	753288	7439874	
0.1	1	751251	7440856	
0.1	1	750732	7440508	
0.1	1	751250	7440791	
0.1	1	752567	7440776	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750734	7440505
	0.1	3	751988	7441035
	0.1	1	752569	7440909
	0.1	1	750734	7440504
	0.1	1	752592	7440259
	0.1	1	752575	7440919
	0.1	1	750733	7440503
	0.1	2	751984	7441037
	0.1	1	753299	7439883
	0.1	1	752577	7440921
	0.1	1	751910	7440728
	0.1	1	750734	7440504
	0.1	1	752477	7440747
	0.1	2	752495	7440915
	0.1	1	752583	7440919
	0.1	1	752471	7440788
	0.1	1	751989	7441013
	0.1	1	750848	7440851
	0.1	1	751245	7440743
	0.1	1	752583	7440924
	0.1	1	750733	7440521
	0.1	1	752470	7440811
	0.1	1	751993	7440774
	0.1	2	752494	7440914
	0.1	1	751243	7440330
	0.1	1	752579	7440927
	0.1	1	752613	7440941
	0.1	1	752579	7440927
	0.1	2	751992	7440778
	0.1	1	752577	7440930
	0.1	1	750728	7440538
	0.1	1	753288	7439904
	0.1	1	751276	7440258
0.1	1	750722	7440593	
0.1	1	751278	7440687	
0.1	1	752573	7440932	
0.1	1	751276	7440711	
0.1	1	752573	7440951	
0.1	1	752523	7440940	
0.1	1	753269	7440002	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750723	7440734
	0.1	1	752590	7440275
	0.1	1	751279	7440768
	0.1	1	751320	7440896
	0.1	1	752446	7440960
	0.1	1	750724	7440745
	0.1	1	753292	7439930
	0.1	1	751272	7440808
	0.1	2	750687	7440675
	0.1	1	751998	7440698
	0.1	1	752518	7440928
	0.1	1	752449	7440939
	0.1	1	751910	7440718
	0.1	1	750685	7440675
	0.1	1	751990	7440703
	0.1	1	751276	7440825
	0.1	1	750700	7440513
	0.1	2	751276	7440828
	0.1	1	752450	7440936
	0.1	1	750846	7440705
	0.1	1	752449	7440924
	0.1	1	752518	7440930
	0.1	1	752452	7440923
	0.1	1	750622	7440483
	0.1	2	753313	7440564
	0.1	1	752451	7440905
	0.1	1	750845	7440703
	0.1	1	751290	7440853
	0.1	1	752449	7440847
	0.1	1	750624	7440537
	0.1	1	751290	7440857
	0.1	1	752421	7440396
	0.1	1	751999	7440609
	0.1	1	751271	7440938
0.1	1	750624	7440544	
0.1	1	752011	7440594	
0.1	1	751349	7440980	
0.1	1	752738	7439951	
0.1	1	752459	7440760	
0.1	1	750844	7440660	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752460	7440761
	0.1	1	751334	7440830
	0.1	1	751993	7440562
	0.1	1	752536	7440740
	0.1	1	752459	7440760
	0.1	1	751999	7440534
	0.1	1	751349	7440942
	0.1	1	750619	7440611
	0.1	1	752000	7440515
	0.1	1	753302	7440038
	0.1	1	751343	7440923
	0.1	1	752453	7440662
	0.1	1	750626	7440684
	0.1	1	752520	7440735
	0.1	1	751354	7440851
	0.1	1	750632	7440732
	0.1	1	751352	7440835
	0.1	1	752925	7440833
	0.1	1	752007	7440491
	0.1	1	752462	7440654
	0.1	1	750608	7440558
	0.1	1	751995	7440498
	0.1	1	751339	7440812
	0.1	1	752919	7440787
	0.1	1	752003	7440488
	0.1	1	752446	7440625
	0.1	1	752518	7440710
	0.1	1	751359	7440752
	0.1	1	752446	7440624
	0.1	1	751360	7440755
	0.1	1	752440	7440623
	0.1	1	752796	7440546
	0.1	1	752606	7440323
	0.1	1	752433	7440615
0.1	1	752432	7440437	
0.1	1	750607	7440526	
0.1	1	750852	7440384	
0.1	1	751336	7440675	
0.1	1	752434	7440608	
0.1	1	752795	7440296	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751315	7440822
	0.1	1	750519	7440487
	0.1	1	752794	7440291
	0.1	1	752525	7440703
	0.1	1	751356	7440650
	0.1	1	752460	7440587
	0.1	2	752004	7440391
	0.1	1	751354	7440642
	0.1	1	752458	7440586
	0.1	1	752801	7440194
	0.1	1	751991	7440382
	0.1	1	753301	7440357
	0.1	1	752519	7440666
	0.1	1	752456	7440584
	0.1	1	750523	7440514
	0.1	1	752738	7440398
	0.1	1	752807	7440079
	0.1	1	751343	7440554
	0.1	1	752460	7440582
	0.1	1	751898	7440618
	0.1	1	752798	7440075
	0.1	1	751989	7440323
	0.1	1	753288	7440369
	0.1	1	750524	7440549
	0.1	1	752520	7440663
	0.1	1	751341	7440327
	0.1	1	750530	7440610
	0.1	1	751333	7440196
	0.1	1	752450	7440472
	0.1	1	750501	7440464
	0.1	1	751991	7440290
	0.1	1	753297	7440374
	0.1	1	752455	7440462
0.1	2	752004	7440189	
0.1	1	752533	7440637	
0.1	1	751374	7440321	
0.1	1	752455	7440437	
0.1	1	752759	7440220	
0.1	1	750881	7440377	
0.1	1	751996	7440126	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753296	7440389
	0.1	1	751377	7440503
	0.1	1	753261	7439946
	0.1	1	751900	7440582
	0.1	1	752457	7440426
	0.1	1	750419	7440578
	0.1	1	752771	7440228
	0.1	1	751988	7440118
	0.1	2	751382	7440653
	0.1	1	750400	7440586
	0.1	1	752777	7440232
	0.1	1	751988	7440116
	0.1	1	752602	7440461
	0.1	1	752437	7440404
	0.1	1	752780	7440266
	0.1	1	751985	7440112
	0.1	1	750868	7440508
	0.1	1	752455	7440388
	0.1	1	752783	7440273
	0.1	1	751988	7440110
	0.1	1	751378	7440832
	0.1	1	752446	7440323
	0.1	2	751904	7440618
	0.1	1	750392	7440566
	0.1	1	752769	7440309
	0.1	3	751988	7440108
	0.1	1	752446	7440322
	0.1	1	752778	7440303
	0.1	5	751989	7440105
	0.1	3	751390	7440848
	0.1	1	752443	7440322
	0.1	1	750396	7440542
	0.1	1	751987	7440105
	0.1	1	752604	7440482
0.1	1	751993	7440104	
0.1	1	750866	7440510	
0.1	1	752447	7440319	
0.1	1	752770	7440542	
0.1	1	752003	7440084	
0.1	1	753300	7440433	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751456	7440976
	0.1	1	752457	7440323
	0.1	1	752765	7440564
	0.1	1	751459	7440943
	0.1	1	751925	7440255
	0.1	1	752596	7440484
	0.1	1	751446	7440921
	0.1	1	751914	7440251
	0.1	1	750884	7440540
	0.1	1	752460	7440291
	0.1	1	752774	7440575
	0.1	1	751913	7440250
	0.1	1	752520	7440555
	0.1	1	752464	7440287
	0.1	1	753258	7439945
	0.1	3	750887	7440544
	0.1	1	751444	7440758
	0.1	1	751213	7440960
	0.1	1	751326	7440772
	0.1	1	752517	7440549
	0.1	1	752466	7440282
	0.1	1	751931	7440253
	0.1	1	752600	7440495
	0.1	1	752468	7440285
	0.1	1	752778	7440597
	0.1	1	750883	7440542
	0.1	1	753300	7440459
	0.1	1	751454	7440311
	0.1	1	752452	7440271
	0.1	1	751232	7440840
	0.1	1	752747	7440238
	0.1	3	751453	7440309
	0.1	1	751225	7440827
	0.1	1	752593	7440510
0.1	1	751458	7440257	
0.1	1	751233	7440794	
0.1	1	752765	7440631	
0.1	1	752447	7440144	
0.1	1	751919	7440362	
0.1	1	752520	7440477	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752453	7440136
	0.1	2	751902	7440610
	0.1	1	751476	7440229
	0.1	1	752452	7440121
	0.1	1	751220	7440661
	0.1	1	751929	7440403
	0.1	1	750874	7440626
	0.1	1	751480	7440306
	0.1	1	752450	7440124
	0.1	1	751216	7440641
	0.1	1	751924	7440405
	0.1	1	752512	7440428
	0.1	1	751469	7440317
	0.1	1	752450	7440106
	0.1	1	753268	7440805
	0.1	1	752779	7440682
	0.1	1	751917	7440422
	0.1	1	751479	7440330
	0.1	1	750869	7440644
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751486	7440334
	0.1	1	751233	7440541
	0.1	1	752766	7440696
	0.1	1	752629	7440890
	0.1	4	753313	7440486
	0.1	1	751484	7440344
	0.1	1	753286	7440725
	0.1	1	752758	7440708
	0.1	1	752528	7440319
	0.1	1	751478	7440365
	0.1	1	752454	7440081
	0.1	1	753279	7440721
	0.1	1	751220	7440403
	0.1	1	752764	7440715
	0.1	1	750869	7440648
	0.1	1	752462	7440078
	0.1	1	751307	7440245
	0.1	1	752769	7440731
	0.1	1	748626	7441861
	0.1	1	753309	7440489
	0.1	1	753280	7440716

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752778	7440755
	0.1	1	752460	7440008
	0.1	1	750885	7440697
	0.1	1	753262	7440696
	0.1	1	751305	7440321
	0.1	1	751921	7440606
	0.1	1	753292	7440500
	0.1	1	751478	7440484
	0.1	1	752443	7439979
	0.1	1	751293	7440432
	0.1	1	751926	7440619
	0.1	1	752415	7440535
	0.1	1	751477	7440490
	0.1	1	753271	7440663
	0.1	1	751293	7440685
	0.1	2	752776	7440927
	0.1	1	751929	7440640
	0.1	1	751472	7440863
	0.1	1	751294	7440692
	0.1	1	751933	7440683
	0.1	1	751935	7440683
	0.1	1	750873	7440700
	0.1	1	751462	7441013
	0.1	1	751295	7440787
	0.1	1	751470	7441019
	0.1	1	753278	7440588
	0.1	1	751305	7440791
	0.1	1	752520	7440253
	0.1	1	752431	7440097
	0.1	1	751306	7440789
	0.1	1	753312	7440573
	0.1	1	752739	7440754
	0.1	1	752614	7440732
	0.1	1	753268	7440570
0.1	1	751309	7440789	
0.1	1	751915	7440716	
0.1	1	750886	7440714	
0.1	1	752414	7440149	
0.1	1	753264	7440573	
0.1	1	753309	7440521	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752415	7440147
	0.1	1	751329	7440722
	0.1	1	752515	7440215
	0.1	1	753270	7440544
	0.1	1	752419	7440160
	0.1	1	752513	7440219
	0.1	1	752756	7440170
	0.1	1	751310	7440822
	0.1	1	751917	7440766
	0.1	1	751901	7440589
	0.1	1	752416	7440159
	0.1	1	753267	7440503
	0.1	1	751307	7440834
	0.1	1	752589	7440926
	0.1	1	750873	7440780
	0.1	1	753269	7440499
	0.1	1	752740	7440679
	0.1	1	752424	7440172
	0.1	1	753261	7440491
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	751284	7440855
	0.1	2	751932	7440900
	0.1	1	752432	7440178
	0.1	2	752527	7440190
	0.1	1	751929	7440907
	0.1	1	752523	7440214
	0.1	1	753278	7440476
	0.1	1	752744	7440659
	0.1	1	752747	7440637
	0.1	1	751926	7441027
	0.1	1	752593	7440945
	0.1	1	752416	7440302
	0.1	1	752748	7440574
	0.1	1	752746	7440556
	0.1	1	751930	7441024
	0.1	1	753303	7440539
	0.1	1	752410	7440308
	0.1	1	753270	7440360
	0.1	1	752747	7440535
	0.1	1	752578	7439962
	0.1	1	751920	7441044

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753219	7439705
	0.1	1	753220	7439700
	0.1	1	750738	7440494
	0.1	1	752570	7439970
	0.1	1	752504	7440365
	0.1	1	753232	7439747
	0.1	1	750749	7440501
	0.1	1	752563	7439971
	0.1	1	750897	7440867
	0.1	1	752516	7440343
	0.1	1	753216	7439785
	0.1	1	753222	7439681
	0.1	1	752562	7439970
	0.1	1	750906	7440860
	0.1	1	752499	7440271
	0.1	3	753213	7439787
	0.1	1	752506	7440483
	0.1	1	750896	7440904
	0.1	1	750754	7440558
	0.1	1	752565	7439990
	0.1	2	750899	7440738
	0.1	1	753214	7439789
	0.1	1	752561	7439953
	0.1	1	750747	7440489
	0.1	1	751324	7440994
	0.1	1	752494	7440218
	0.1	1	752559	7439997
	0.1	1	752577	7440038
	0.1	1	752746	7440534
	0.1	2	750752	7440688
	0.1	1	752583	7440044
	0.1	2	752505	7440055
	0.1	2	753230	7439897
0.1	2	753230	7439655	
0.1	2	750752	7440750	
0.1	1	752577	7440054	
0.1	1	750905	7440574	
0.1	1	752504	7440548	
0.1	1	751924	7441041	
0.1	1	750900	7440906	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	750743	7440767
	0.1	1	752560	7440112
	0.1	1	752415	7440536
	0.1	1	750909	7440571
	0.1	1	750768	7440345
	0.1	1	750741	7440798
	0.1	1	752565	7440111
	0.1	2	750909	7440573
	0.1	2	753220	7439978
	0.1	1	752747	7440729
	0.1	1	752652	7440289
	0.1	1	751913	7440576
	0.1	1	751395	7440843
	0.1	1	751225	7440413
	0.1	1	751930	7440900
	0.1	1	752526	7440169
	0.1	1	751995	7440708
	0.1	1	752784	7439835
	0.1	1	752419	7440741
	0.1	1	752699	7440289
	0.1	2	752452	7440786
	0.1	1	751312	7440993
	0.1	1	751344	7440811
	0.1	1	752774	7440516
	0.1	1	751329	7440242
	0.1	1	753240	7439591
	0.1	1	752736	7440685
	0.1	1	751424	7440302
	0.1	1	752763	7440629
	0.1	1	752467	7440827
	0.1	1	752654	7440857
	0.1	1	753257	7439633
	0.1	1	752428	7440755
	0.1	1	751970	7440743
0.1	1	752425	7440799	
0.1	1	750621	7440542	
0.1	1	752621	7439989	
0.1	1	753277	7440689	
0.1	1	752743	7440877	
0.1	1	751967	7440409	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752700	7440642
	0.1	1	752444	7439980
	0.1	1	752659	7440820
	0.1	1	753259	7440814
	0.1	1	751386	7440771
	0.1	1	752703	7440886
	0.1	1	751430	7440947
	0.1	1	752775	7440577
	0.1	1	751922	7440782
	0.1	1	752635	7440114
	0.1	1	752431	7440988
	0.1	1	752699	7440251
	0.1	1	751215	7440640
	0.1	2	751931	7440259
	0.1	1	751981	7440792
	0.1	1	753250	7440344
	0.1	1	748761	7441745
	0.1	1	752639	7440260
	0.1	1	753238	7440165
	0.1	1	752628	7440368
	0.1	1	752629	7440786
	0.1	1	751939	7440407
	0.1	1	751419	7440525
	0.1	1	753275	7439977
	0.1	1	751933	7440250
	0.1	1	751250	7440292
	0.1	1	752654	7440860
	0.1	1	752468	7440854
	0.1	1	752422	7440190
	0.1	1	751370	7440239
	0.1	1	751293	7440849
	0.1	1	751395	7440531
	0.1	1	752681	7440189
0.1	1	751885	7440371	
0.1	1	751962	7440311	
0.1	1	752630	7440282	
0.1	1	752560	7440072	
0.1	1	750400	7440582	
0.1	1	751965	7440514	
0.1	1	751880	7440472	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751999	7440717
	0.1	1	752552	7440548
	0.1	1	752456	7440089
	0.1	1	752530	7440010
	0.1	1	752780	7440575
	0.1	1	753310	7440687
	0.1	1	751944	7440417
	0.1	1	750603	7440559
	0.1	1	751349	7440744
	0.1	1	751323	7440812
	0.1	1	752677	7440717
	0.1	1	753256	7440694
	0.1	1	751405	7440781
	0.1	1	752464	7440283
	0.1	1	752738	7440677
	0.1	1	751220	7440971
	0.1	1	752622	7440741
	0.1	2	751863	7441067
	0.1	1	753259	7440636
	0.1	1	752645	7440141
	0.1	1	752734	7440559
	0.1	1	751996	7440419
	0.1	1	752634	7440760
	0.1	1	751224	7441024
	0.1	1	750705	7440502
	0.1	1	752658	7440577
	0.1	1	752459	7440654
	0.1	1	750732	7440533
	0.1	1	752732	7440432
	0.1	1	751368	7440723
	0.1	1	750424	7440505
	0.1	1	753296	7440639
	0.1	1	752777	7440031
	0.1	1	752525	7439998
0.1	1	753249	7440543	
0.1	1	751923	7440720	
0.1	1	751952	7440419	
0.1	1	752006	7440497	
0.1	1	751936	7440346	
0.1	1	752642	7440727	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752452	7440295
	0.1	1	753279	7440578
	0.1	1	752687	7440332
	0.1	1	753292	7440596
	0.1	1	751288	7440855
	0.1	4	752668	7440628
	0.1	1	752621	7440401
	0.1	1	753248	7440568
	0.1	1	751394	7440315
	0.1	1	751220	7440924
	0.1	1	751441	7440636
	0.1	1	751452	7440465
	0.1	1	752424	7440798
	0.1	1	752616	7440709
	0.1	1	751324	7440771
	0.1	1	751867	7440626
	0.1	1	752706	7440741
	0.1	1	752670	7440711
	0.1	1	752456	7440010
	0.1	1	752644	7440641
	0.1	1	751415	7440793
	0.1	2	751950	7440339
	0.1	1	751224	7440829
	0.1	2	748809	7441685
	0.1	1	752632	7440780
	0.1	1	751990	7440692
	0.1	1	751877	7440560
	0.1	1	752679	7440069
	0.1	1	751995	7440717
	0.1	1	753245	7439912
	0.1	1	752771	7440657
	0.1	1	752642	7440251
	0.1	1	751952	7440792
	0.1	1	752619	7440706
	0.1	1	751940	7440459
	0.1	1	752670	7440368
0.1	1	751474	7440419	
0.1	1	752419	7440368	
0.1	1	752452	7440214	
0.1	1	752428	7440078	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	753295	7440604
	0.1	1	752418	7440131
	0.1	4	752674	7440634
	0.1	1	752777	7440608
	0.1	1	752417	7440827
	0.1	1	751967	7440670
	0.1	1	751923	7440194
	0.1	1	753264	7439941
	0.1	1	752420	7440348
	0.1	1	752438	7440406
	0.1	1	752420	7440675
	0.1	3	752692	7440620
	0.1	1	753280	7440544
	0.1	2	751924	7440503
	0.1	1	751447	7440229
	0.1	1	748759	7441750
	0.1	1	752932	7440876
	0.1	1	752457	7440324
	0.1	1	751478	7440218
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751993	7440625
	0.1	1	751986	7440576
	0.1	1	752457	7440095
	0.1	1	752699	7440334
	0.1	1	752000	7440742
	0.1	1	752753	7440314
	0.1	1	752654	7440248
	0.1	1	751402	7440938
	0.1	1	750596	7440545
	0.1	1	752659	7440723
	0.1	1	751924	7440258
	0.1	1	752457	7440658
	0.1	1	753242	7440554
	0.1	1	753247	7440420
	0.1	1	752420	7440843
	0.1	1	751954	7440783
	0.1	1	751984	7440815
	0.1	1	752759	7440767
	0.1	1	753278	7440806
	0.1	1	750532	7440491
	0.1	1	752663	7440134

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751222	7440594
	0.1	1	752435	7440749
	0.1	1	750398	7440544
	0.1	1	751222	7440972
	0.1	1	752742	7440715
	0.1	1	752646	7440798
	0.1	1	750628	7440512
	0.1	1	751375	7440592
	0.1	1	751882	7440426
	0.1	2	751290	7440854
	0.1	1	752725	7440412
	0.1	1	752648	7440224
	0.1	1	751927	7440263
	0.1	1	752635	7440822
	0.1	1	752690	7440183
	0.1	1	752546	7440519
	0.1	1	753272	7440612
	0.1	1	751903	7440368
	0.1	1	752678	7440650
	0.1	1	751991	7440453
	0.1	1	752743	7440224
	0.1	1	751927	7441008
	0.1	1	751866	7440334
	0.1	1	751430	7440369
	0.1	1	752429	7440084
	0.1	1	752658	7439922
	0.1	1	748765	7441739
	0.1	1	751383	7440835
	0.1	2	751991	7440118
	0.1	1	751276	7440177
	0.1	1	750609	7440552
	0.1	1	750423	7440508
	0.1	1	752762	7440228
	0.1	1	752715	7440620
0.1	1	751405	7440717	
0.1	1	751924	7440261	
0.1	1	753239	7440171	
0.1	1	753242	7440484	
0.1	1	753257	7440462	
0.1	1	752746	7440759	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751998	7440623
	0.1	1	751301	7440874
	0.1	1	752435	7440789
	0.1	1	751347	7440751
	0.1	1	751220	7440763
	0.1	1	752794	7440279
	0.1	1	752645	7440499
	0.1	1	751997	7440509
	0.1	1	752439	7440439
	0.1	1	752696	7440416
	0.1	2	751297	7440815
	0.1	1	751916	7440722
	0.1	1	752449	7440939
	0.1	1	751390	7440615
	0.1	1	751955	7440771
	0.1	1	751919	7440434
	0.1	1	752432	7440916
	0.1	1	751450	7440988
	0.1	1	752738	7440754
	0.1	1	751956	7441100
	0.1	1	750427	7440570
	0.1	1	751917	7440602
	0.1	1	752657	7440141
	0.1	1	751398	7441014
	0.1	1	752454	7440432
	0.1	1	751985	7441104
	0.1	1	752674	7440290
	0.1	1	752724	7440650
	0.1	1	752650	7440153
	0.1	1	751927	7440338
	0.1	1	751916	7440729
	0.1	1	752714	7440322
	0.1	1	752421	7440170
	0.1	1	751284	7440853
0.1	1	752619	7440707	
0.1	1	751928	7440381	
0.1	2	752685	7440679	
0.1	1	752717	7440438	
0.1	1	752449	7440269	
0.1	1	751446	7440916	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752547	7440506
	0.1	1	752657	7440715
	0.1	1	748752	7441753
	0.1	1	751407	7440715
	0.1	1	751995	7440743
	0.1	5	752766	7440569
	0.1	1	751965	7441029
	0.1	2	752000	7440127
	0.1	1	752469	7440828
	0.1	1	753254	7440166
	0.1	2	752774	7440611
	0.1	1	752755	7440213
	0.1	1	751899	7440323
	0.1	1	750419	7440561
	0.1	1	753276	7440373
	0.1	1	751920	7440696
	0.1	1	751443	7440207
	0.1	1	752549	7440130
	0.1	1	752646	7440818
	0.1	1	752423	7440778
	0.1	1	752656	7440146
	0.1	1	752410	7440301
	0.1	1	752933	7440892
	0.1	1	752434	7439983
	0.1	1	751286	7440854
	0.1	1	751225	7441029
	0.1	1	752426	7440058
	0.1	1	748807	7441690
	0.1	1	752429	7440215
	0.1	1	751950	7440753
	0.1	1	752706	7440032
	0.1	1	751217	7440914
	0.1	1	751894	7440529
0.1	1	752739	7440219	
0.1	1	752525	7440003	
0.1	1	752009	7440741	
0.1	1	751972	7440558	
0.1	1	752464	7440091	
0.1	1	752661	7440588	
0.1	1	752453	7440435	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750709	7440507
	0.1	1	753284	7440729
	0.1	1	751385	7440331
	0.1	1	752696	7440486
	0.1	1	753258	7440562
	0.1	1	752467	7440830
	0.1	1	751403	7440802
	0.1	1	751933	7440559
	0.1	1	753236	7440594
	0.1	2	750524	7440514
	0.1	1	752778	7440552
	0.1	1	748718	7441788
	0.1	1	752792	7440536
	0.1	1	752653	7439942
	0.1	1	752416	7440931
	0.1	1	750396	7440534
	0.1	1	753280	7440721
	0.1	1	752727	7440259
	0.1	1	752538	7439977
	0.1	1	752675	7439901
	0.1	1	751322	7440918
	0.1	1	752542	7440568
	0.1	1	753270	7439931
	0.1	1	752446	7440320
	0.1	1	751351	7440617
	0.1	1	751471	7440890
	0.1	1	752524	7439956
	0.1	1	752423	7440445
	0.1	1	751952	7441105
	0.1	1	751428	7440371
	0.1	1	752466	7440285
	0.1	1	750616	7440554
	0.1	5	751996	7440611
	0.1	1	752438	7440566
	0.1	1	752723	7440413
	0.1	1	750721	7440600
0.1	1	752688	7440336	
0.1	1	752553	7440639	
0.1	1	751896	7440247	
0.1	1	751478	7440374	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753247	7440061
	0.1	1	752747	7440739
	0.1	1	751402	7440482
	0.1	1	752654	7440873
	0.1	1	753280	7439958
	0.1	1	752457	7440678
	0.1	1	752574	7440932
	0.1	1	751296	7440308
	0.1	1	752740	7440721
	0.1	1	751932	7440556
	0.1	1	752001	7440326
	0.1	1	752624	7440221
	0.1	1	752466	7440816
	0.1	1	751299	7440952
	0.1	1	752419	7440156
	0.1	1	751963	7440303
	0.1	1	752604	7440458
	0.1	1	750608	7440554
	0.1	1	751458	7440502
	0.1	1	751899	7440359
	0.1	1	752622	7440251
	0.1	1	752666	7440781
	0.1	1	751448	7440917
	0.1	1	752628	7440106
	0.1	1	751316	7440985
	0.1	1	752519	7439957
	0.1	1	752767	7440403
	0.1	1	752421	7440371
	0.1	1	752438	7440748
	0.1	1	752724	7440740
	0.1	1	752613	7440309
	0.1	1	751907	7440579
	0.1	1	752754	7440499
0.1	1	751934	7440260	
0.1	1	752725	7440256	
0.1	1	751393	7440736	
0.1	1	752738	7440877	
0.1	1	750396	7440539	
0.1	2	751275	7440824	
0.1	1	750524	7440547	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751991	7440422
	0.1	1	751865	7440468
	0.1	1	752625	7440784
	0.1	1	752632	7440479
	0.1	1	752544	7440568
	0.1	1	752781	7440673
	0.1	1	751879	7440374
	0.1	1	750632	7440559
	0.1	1	753290	7440765
	0.1	1	753255	7440005
	0.1	1	752670	7440727
	0.1	1	751300	7440817
	0.1	1	752447	7440628
	0.1	1	752416	7440535
	0.1	1	752621	7440760
	0.1	1	751287	7440777
	0.1	1	752626	7440706
	0.1	1	752778	7440680
	0.1	1	753266	7440706
	0.1	1	750606	7440519
	0.1	1	751408	7440228
	0.1	1	752760	7440952
	0.1	1	752642	7440709
	0.1	1	752440	7440747
	0.1	1	751478	7440435
	0.1	1	750735	7440698
	0.1	1	751358	7440947
	0.1	1	753307	7440718
	0.1	1	748708	7441798
	0.1	1	751227	7440878
	0.1	1	751930	7440691
	0.1	1	753253	7439679
	0.1	2	751930	7440582
	0.1	1	751309	7440821
0.1	1	751948	7440377	
0.1	1	752762	7440752	
0.1	1	751353	7440535	
0.1	1	752740	7440459	
0.1	1	752417	7440161	
0.1	1	752757	7440763	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	751927	7441025
	0.1	1	751923	7440700
	0.1	1	752627	7440105
	0.1	1	748727	7441777
	0.1	1	751872	7440380
	0.1	1	752425	7440746
	0.1	1	752742	7440412
	0.1	1	751955	7441018
	0.1	1	752720	7440504
	0.1	2	751927	7440256
	0.1	1	751994	7440420
	0.1	1	752451	7440556
	0.1	1	751895	7440668
	0.1	1	752677	7440588
	0.1	1	752731	7440730
	0.1	1	752776	7440767
	0.1	1	752805	7439996
	0.1	1	751885	7440371
	0.1	1	753277	7440642
	0.1	1	752524	7440093
	0.1	1	752751	7440747
	0.1	1	752514	7440029
	0.1	1	752423	7440844
	0.1	1	751339	7440557
	0.1	1	752772	7440577
	0.1	2	751997	7440621
	0.1	1	753276	7440543
	0.1	1	752912	7440825
	0.1	1	751928	7440625
	0.1	1	751307	7440247
	0.1	1	752610	7440701
	0.1	1	751370	7440960
	0.1	1	751991	7440776
0.1	1	750630	7440557	
0.1	1	752411	7440309	
0.1	1	751950	7440931	
0.1	1	751404	7440722	
0.1	1	753260	7440494	
0.1	1	752447	7440158	
0.1	1	751350	7440974	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751287	7440856
	0.1	1	751402	7440312
	0.1	1	751997	7440566
	0.1	1	752429	7440605
	0.1	1	751477	7440517
	0.1	1	751335	7440671
	0.1	1	751994	7440314
	0.1	1	752431	7439982
	0.1	1	752782	7440574
	0.1	1	752423	7439984
	0.1	1	753242	7440326
	0.1	1	752523	7440186
	0.1	1	752452	7440942
	0.1	1	751478	7440439
	0.1	1	751391	7440815
	0.1	1	752742	7440391
	0.1	1	753265	7440388
	0.1	1	752453	7440476
	0.1	2	751399	7440648
	0.1	1	752783	7440676
	0.1	1	751336	7440236
	0.1	1	752000	7440431
	0.1	1	751923	7440546
	0.1	1	751887	7440455
	0.1	1	752706	7440035
	0.1	1	752698	7440761
	0.1	1	751286	7440854
	0.1	1	752428	7440643
	0.1	1	750628	7440544
	0.1	1	752610	7440700
	0.1	1	752430	7440601
	0.1	1	752679	7440720
	0.1	1	752719	7440501
	0.1	2	752000	7440612
	0.1	1	752543	7440702
	0.1	1	752614	7440721
0.1	1	750321	7440546	
0.1	1	753269	7440647	
0.1	1	751912	7440724	
0.1	1	752739	7440678	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752643	7440373
	0.1	1	753244	7440555
	0.1	1	750402	7440582
	0.1	1	752615	7440361
	0.1	1	751939	7440908
	0.1	1	752466	7440831
	0.1	1	752431	7440347
	0.1	1	751292	7440690
	0.1	1	752702	7440644
	0.1	1	752791	7439831
	0.1	1	753275	7440356
	0.1	1	751311	7440694
	0.1	1	753247	7440659
	0.1	1	751220	7440681
	0.1	1	751282	7440853
	0.1	1	751277	7440764
	0.1	1	752521	7440142
	0.1	1	751875	7440141
	0.1	1	751989	7440291
	0.1	1	752781	7440574
	0.1	1	751905	7440365
	0.1	1	752004	7440447
	0.1	1	752547	7440150
	0.1	2	752445	7440813
	0.1	1	752446	7440992
	0.1	1	751892	7440745
	0.1	1	752636	7440276
	0.1	1	751298	7440800
	0.1	1	753245	7440560
	0.1	1	752626	7440594
	0.1	1	752557	7440275
	0.1	1	751901	7440612
	0.1	1	752795	7440626
	0.1	1	752530	7440010
0.1	1	752724	7440288	
0.1	1	751957	7440679	
0.1	1	752500	7440253	
0.1	1	750747	7440558	
0.1	1	752562	7439992	
0.1	1	752553	7440640	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750903	7440737
	0.1	1	752478	7440705
	0.1	1	753226	7439808
	0.1	1	750761	7440575
	0.1	1	750903	7440736
	0.1	2	752507	7440191
	0.1	1	751986	7441025
	0.1	1	753233	7439881
	0.1	1	751971	7440566
	0.1	1	752581	7440470
	0.1	1	752441	7440749
	0.1	1	750760	7440578
	0.1	1	750899	7440716
	0.1	3	751986	7441036
	0.1	2	752495	7440180
	0.1	1	753232	7439893
	0.1	1	750903	7440623
	0.1	3	751870	7440102
	0.1	1	751906	7440575
	0.1	2	752507	7440017
	0.1	1	753213	7440545
	0.1	1	753218	7439899
	0.1	1	751395	7440638
	0.1	2	750740	7440762
	0.1	1	752566	7440101
	0.1	1	750905	7440569
	0.1	1	752512	7440015
	0.1	1	753227	7439923
	0.1	1	750833	7440674
	0.1	1	753238	7440250
	0.1	1	752658	7440213
	0.1	1	751251	7440780
	0.1	1	752497	7439998
	0.1	1	753231	7439940
	0.1	1	751893	7440137
	0.1	1	752579	7440470
0.1	1	752552	7440594	
0.1	1	752505	7439992	
0.1	1	750579	7440483	
0.1	1	752710	7440461	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	751394	7440638
	0.1	1	750748	7440825
	0.1	1	752430	7440741
	0.1	1	752571	7440176
	0.1	1	750908	7440569
	0.1	1	753260	7440180
	0.1	1	753214	7440541
	0.1	1	750680	7440835
	0.1	1	750898	7440529
	0.1	1	752627	7440227
	0.1	1	752475	7440193
	0.1	1	752563	7440188
	0.1	1	750896	7440516
	0.1	1	750830	7440671
	0.1	1	752477	7439981
	0.1	1	753213	7440024
	0.1	1	752716	7440443
	0.1	1	752546	7440574
	0.1	1	752587	7440436
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751396	7440626
	0.1	1	750675	7440574
	0.1	1	752564	7440195
	0.1	1	750898	7440405
	0.1	1	753249	7440177
	0.1	1	752436	7440749
	0.1	1	750685	7440556
	0.1	1	750905	7440293
	0.1	1	752475	7439984
	0.1	1	753218	7440125
	0.1	1	750674	7440562
	0.1	1	752565	7440200
	0.1	1	750907	7440292
	0.1	1	752672	7439959
	0.1	1	750671	7440565
	0.1	1	750821	7440517
	0.1	1	752472	7440718
	0.1	1	753231	7440159
	0.1	1	750821	7440653
	0.1	1	753223	7440215
	0.1	1	750584	7440526

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750680	7440517
	0.1	1	752473	7439990
	0.1	1	752545	7440573
	0.1	1	752477	7439991
	0.1	1	753229	7440295
	0.1	1	751895	7440353
	0.1	1	751432	7440422
	0.1	1	752470	7440168
	0.1	1	750650	7440496
	0.1	1	752570	7440274
	0.1	1	752581	7440385
	0.1	1	753222	7440451
	0.1	1	752438	7440746
	0.1	1	750583	7440532
	0.1	1	750654	7440502
	0.1	1	752564	7440283
	0.1	1	752710	7440168
	0.1	1	752474	7440364
	0.1	1	750651	7440509
	0.1	1	752557	7440286
	0.1	2	751407	7440496
	0.1	1	752461	7440023
	0.1	2	752543	7440569
	0.1	1	751394	7440530
	0.1	1	750642	7440535
	0.1	1	753247	7439576
	0.1	1	752470	7440130
	0.1	1	750816	7440616
	0.1	2	751247	7440775
	0.1	1	752568	7440347
	0.1	1	752574	7440377
	0.1	1	753230	7440530
	0.1	1	752645	7440727
	0.1	1	751940	7440886
	0.1	1	752685	7440316
0.1	1	752613	7440308	
0.1	2	753214	7440791	
0.1	1	750810	7440564	
0.1	1	751429	7440459	
0.1	1	751968	7440593	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751959	7440471
	0.1	1	752622	7440314
	0.1	1	752549	7440562
	0.1	1	752549	7440557
	0.1	1	751249	7440971
	0.1	1	752696	7439868
	0.1	1	752653	7440506
	0.1	1	751943	7440906
	0.1	1	752575	7440714
	0.1	1	752555	7440545
	0.1	2	751985	7440611
	0.1	1	752626	7440420
	0.1	1	752676	7440717
	0.1	1	750734	7440353
	0.1	1	752642	7440730
	0.1	1	752625	7440435
	0.1	1	752685	7440630
	0.1	1	752611	7440448
	0.1	1	752545	7440504
	0.1	1	751954	7440467
	0.1	1	751431	7440516
	0.1	1	752610	7440452
	0.1	2	752648	7440112
	0.1	1	752560	7440436
	0.1	1	752477	7440440
	0.1	1	752643	7440732
	0.1	1	751942	7440908
	0.1	1	752668	7440685
	0.1	1	752681	7440718
	0.1	1	752563	7440436
	0.1	1	752472	7440362
	0.1	1	752561	7440424
	0.1	1	751430	7440715
	0.1	1	752610	7440492
0.1	1	752544	7440386	
0.1	1	751973	7440740	
0.1	1	752629	7440780	
0.1	1	752604	7440503	
0.1	1	752555	7440330	
0.1	1	752736	7440219	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752611	7440513
	0.1	1	752556	7440328
	0.1	1	751980	7440393
	0.1	1	751251	7440948
	0.1	1	752621	7440517
	0.1	1	752556	7440279
	0.1	1	752569	7440732
	0.1	1	751418	7440719
	0.1	1	752649	7440111
	0.1	1	752626	7440784
	0.1	1	752615	7440556
	0.1	1	752658	7440148
	0.1	1	752616	7440562
	0.1	1	752558	7440187
	0.1	1	750734	7440352
	0.1	1	752624	7440611
	0.1	1	752544	7440146
	0.1	1	752645	7440641
	0.1	1	751967	7440766
	0.1	1	752624	7440784
	0.1	1	752652	7440106
	0.1	1	752546	7440145
	0.1	1	752727	7440247
	0.1	1	752696	7440269
	0.1	2	752468	7440465
	0.1	1	752624	7440704
	0.1	1	752673	7440691
	0.1	1	751426	7440847
	0.1	1	751979	7440785
	0.1	1	752670	7440724
	0.1	1	752621	7440785
	0.1	1	752634	7440257
	0.1	1	752617	7440706
	0.1	1	752559	7440065
0.1	1	752546	7439953	
0.1	1	751985	7440110	
0.1	1	752674	7440280	
0.1	1	752613	7440710	
0.1	1	752654	7440105	
0.1	1	752547	7439953	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752680	7440611
	0.1	1	752638	7440259
	0.1	1	750343	7440521
	0.1	1	752527	7439957
	0.1	1	752573	7440678
	0.1	1	751397	7441045
	0.1	1	751987	7440809
	0.1	1	752669	7440725
	0.1	1	752681	7440340
	0.1	2	751877	7441028
	0.1	1	752620	7440712
	0.1	1	751399	7441017
	0.1	1	752618	7440721
	0.1	1	751240	7440936
	0.1	1	752516	7439958
	0.1	1	753301	7440733
	0.1	1	751871	7441029
	0.1	1	752516	7439957
	0.1	3	751986	7440394
	0.1	1	753287	7440728
	0.1	1	752669	7440683
	0.1	1	752676	7440606
	0.1	1	752615	7440721
	0.1	1	752647	7440028
	0.1	1	752572	7440751
	0.1	1	752535	7439983
	0.1	1	751952	7441038
	0.1	1	753244	7439662
	0.1	1	751966	7441028
	0.1	1	752646	7440801
	0.1	1	752615	7440732
	0.1	1	752523	7439985
	0.1	1	751874	7440663
	0.1	1	752622	7440739
0.1	1	753286	7440650	
0.1	1	748772	7441736	
0.1	1	750736	7440350	
0.1	1	752684	7440597	
0.1	1	753286	7440646	
0.1	1	751386	7441007	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751947	7440396
	0.1	1	748768	7441732
	0.1	1	752620	7440742
	0.1	1	750348	7440523
	0.1	1	752645	7440027
	0.1	1	752529	7440003
	0.1	1	752646	7440804
	0.1	1	751943	7441052
	0.1	1	752618	7440743
	0.1	1	750739	7440528
	0.1	1	753300	7440603
	0.1	1	751943	7440270
	0.1	1	751955	7440738
	0.1	2	751868	7440632
	0.1	1	748765	7441744
	0.1	1	750559	7440528
	0.1	1	752531	7440011
	0.1	1	753293	7440602
	0.1	1	752707	7440606
	0.1	1	752568	7440706
	0.1	1	752638	7440282
	0.1	1	752626	7440765
	0.1	1	753298	7440594
	0.1	1	752679	7440369
	0.1	4	751954	7441036
	0.1	1	752631	7440770
	0.1	1	753306	7440604
	0.1	1	752649	7440808
	0.1	1	752668	7440596
	0.1	1	752623	7440780
	0.1	1	752418	7440609
	0.1	1	753304	7440588
	0.1	1	751953	7440371
	0.1	3	752707	7440615
0.1	1	751388	7440852	
0.1	1	752616	7440884	
0.1	1	752659	7439992	
0.1	1	752662	7440286	
0.1	1	753314	7440584	
0.1	2	751969	7441072	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	751884	7440616
	0.1	1	748640	7441847
	0.1	1	752626	7440890
	0.1	1	751949	7441092
	0.1	1	752575	7440749
	0.1	1	751243	7440868
	0.1	3	752525	7440192
	0.1	1	751388	7440852
	0.1	2	748604	7441875
	0.1	1	753303	7440545
	0.1	2	751878	7440599
	0.1	1	752692	7440623
	0.1	1	752675	7440509
	0.1	2	750871	7440943
	0.1	1	752583	7440755
	0.1	1	752515	7440199
	0.1	1	751387	7440851
	0.1	1	751936	7440344
	0.1	1	752431	7441005
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750871	7440939
	0.1	1	753295	7440527
	0.1	1	752646	7440652
	0.1	1	753304	7440524
	0.1	1	752474	7440511
	0.1	1	752703	7440641
	0.1	1	750877	7440773
	0.1	1	752598	7440802
	0.1	1	751382	7440837
	0.1	2	751911	7441269
	0.1	1	752665	7439987
	0.1	1	752686	7440464
	0.1	1	753287	7440524
	0.1	1	752661	7440299
	0.1	1	752673	7440692
	0.1	1	752614	7440731
	0.1	1	752571	7440758
	0.1	1	752519	7440250
	0.1	1	753297	7440520
	0.1	1	751870	7440501
	0.1	1	750882	7440694

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752615	7440721
	0.1	1	752522	7440262
	0.1	1	752600	7440717
	0.1	1	752654	7440572
	0.1	1	752520	7440310
	0.1	1	751910	7441267
	0.1	1	752600	7440596
	0.1	1	751963	7440306
	0.1	1	752630	7440354
	0.1	1	752607	7440526
	0.1	1	753303	7440482
	0.1	2	751242	7440866
	0.1	1	752595	7440519
	0.1	1	753294	7440467
	0.1	1	751400	7440819
	0.1	1	750872	7440624
	0.1	1	752553	7440729
	0.1	1	752526	7440529
	0.1	1	752416	7440931
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752654	7440865
	0.1	1	750347	7440519
	0.1	1	751910	7440567
	0.1	2	753231	7440783
	0.1	1	753302	7440458
	0.1	1	752597	7440490
	0.1	1	753311	7440442
	0.1	1	750719	7440505
	0.1	1	752665	7440132
	0.1	1	751871	7440465
	0.1	1	752465	7440355
	0.1	1	752518	7440559
	0.1	2	753262	7439650
	0.1	1	752648	7439927
	0.1	1	752519	7440591
	0.1	1	753305	7440426
	0.1	1	753242	7440691
	0.1	1	752517	7440588
	0.1	1	753290	7440427
	0.1	1	750863	7440468
	0.1	1	752593	7440454

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752559	7440717
	0.1	1	752515	7440588
	0.1	1	752485	7440331
	0.1	1	752716	7440743
	0.1	1	752574	7440614
	0.1	1	752424	7440844
	0.1	1	751968	7440504
	0.1	1	752596	7440415
	0.1	1	752423	7440648
	0.1	1	752651	7440887
	0.1	1	750877	7440300
	0.1	1	752600	7440404
	0.1	1	752692	7440762
	0.1	1	750849	7440349
	0.1	1	752600	7440337
	0.1	1	751936	7440687
	0.1	1	752557	7440709
	0.1	1	751409	7440779
	0.1	1	750846	7440357
	0.1	1	752603	7440337
	0.1	1	751900	7440569
	0.1	1	753300	7440193
	0.1	1	751330	7440263
	0.1	1	751886	7440455
	0.1	2	753310	7440105
	0.1	1	750843	7440536
	0.1	1	752602	7440316
	0.1	1	752579	7440761
	0.1	1	752523	7440731
	0.1	1	753294	7440086
	0.1	1	750843	7440534
	0.1	1	752606	7440309
	0.1	1	750798	7440885
	0.1	1	752559	7440566
0.1	1	751403	7440779	
0.1	1	750846	7440544	
0.1	1	752604	7440283	
0.1	1	753292	7440025	
0.1	2	752422	7440672	
0.1	1	752616	7439940	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752422	7440846
	0.1	1	753250	7439728
	0.1	1	752602	7440281
	0.1	1	751388	7440292
	0.1	1	752681	7440316
	0.1	1	752520	7440800
	0.1	1	753298	7439998
	0.1	1	751867	7440400
	0.1	1	752597	7440281
	0.1	1	752551	7440706
	0.1	1	753308	7440001
	0.1	1	752466	7440545
	0.1	1	752591	7440279
	0.1	1	752726	7440892
	0.1	1	751393	7440752
	0.1	1	752582	7440505
	0.1	1	753242	7440560
	0.1	1	750852	7440731
	0.1	1	750437	7440574
	0.1	1	753288	7439906
	0.1	1	750844	7440781
	0.1	1	752590	7440266
	0.1	1	751996	7441058
	0.1	1	752497	7440920
	0.1	1	753243	7440557
	0.1	1	750859	7440821
	0.1	1	752590	7440263
	0.1	1	753292	7439897
	0.1	1	752671	7440127
	0.1	1	752435	7440819
	0.1	1	752594	7440262
	0.1	1	752586	7440497
	0.1	1	751874	7440375
0.1	1	751423	7440303	
0.1	1	750735	7440504	
0.1	1	752734	7440730	
0.1	1	750846	7440979	
0.1	1	752501	7440816	
0.1	1	753290	7439877	
0.1	1	751408	7440720	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753216	7440574
	0.1	1	750843	7440991
	0.1	1	752586	7440263
	0.1	1	752496	7440801
	0.1	1	752433	7440810
	0.1	1	752598	7440108
	0.1	2	750350	7440522
	0.1	1	750775	7440768
	0.1	1	752641	7440713
	0.1	1	752500	7440744
	0.1	1	753295	7439861
	0.1	1	752597	7439925
	0.1	1	752663	7440130
	0.1	1	752492	7440721
	0.1	1	750777	7440538
	0.1	1	752628	7440003
	0.1	1	752731	7440727
	0.1	1	751401	7440718
	0.1	1	750784	7440537
	0.1	1	752740	7440287
	0.1	1	750781	7440510
	0.1	1	752584	7439923
	0.1	1	752505	7440696
	0.1	1	752547	7440689
	0.1	1	751881	7440371
	0.1	1	752586	7439929
	0.1	2	751893	7440378
	0.1	1	753289	7439579
	0.1	1	752726	7440704
	0.1	5	752509	7440698
	0.1	1	753285	7439570
	0.1	1	751404	7440718
	0.1	1	753245	7440473
	0.1	1	750781	7440506
0.1	1	752586	7439939	
0.1	1	752480	7440232	
0.1	1	752477	7440694	
0.1	1	752506	7440692	
0.1	1	753295	7439566	
0.1	1	751251	7440752	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752427	7440797
	0.1	1	752587	7439939
	0.1	1	752512	7440682
	0.1	1	752432	7440602
	0.1	1	752576	7440492
	0.1	1	752717	7440659
	0.1	1	750759	7440494
	0.1	1	752689	7440315
	0.1	1	748682	7441842
	0.1	1	750468	7440576
	0.1	1	752512	7440678
	0.1	2	753228	7439609
	0.1	1	750773	7440382
	0.1	1	748772	7441750
	0.1	1	752502	7440634
	0.1	2	752561	7440680
	0.1	1	753223	7440557
	0.1	1	752499	7440631
	0.1	1	751877	7440241
	0.1	1	750773	7440360
	0.1	1	752566	7439943
	0.1	1	750836	7440797
	0.1	1	752505	7440587
	0.1	1	752578	7440484
	0.1	1	753243	7440484
	0.1	1	752564	7439946
	0.1	2	751249	7440789
	0.1	1	752432	7440735
	0.1	1	753254	7439947
	0.1	1	750752	7440368
	0.1	1	752563	7439949
	0.1	1	750902	7440907
	0.1	1	752517	7440524
	0.1	1	753218	7439659
0.1	1	752476	7440214	
0.1	1	751865	7440193	
0.1	2	752679	7440676	
0.1	1	751410	7440714	
0.1	1	750749	7440494	
0.1	1	752579	7439960	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	750892	7440901
	0.1	1	752501	7440474
	0.1	1	750547	7440562
	0.1	1	752423	7440757
	0.1	1	750755	7440494
	0.1	1	750891	7440892
	0.1	1	752499	7440438
	0.1	1	752675	7439983
	0.1	1	752474	7440213
	0.1	1	750892	7440875
	0.1	1	751878	7440146
	0.1	1	752635	7440113
	0.1	1	751386	7440696
	0.1	1	750742	7440540
	0.1	1	751976	7440337
	0.1	1	752197	7440192
	0.1	1	752140	7440477
	0.1	1	751727	7440615
	0.1	1	752195	7440264
	0.1	1	752398	7440956
	0.1	1	752367	7440821
	0.1	1	752395	7440018
	0.1	2	752151	7440465
	0.1	1	752273	7440334
	0.1	2	752360	7440917
	0.1	1	752084	7440406
	0.1	1	752394	7440178
	0.1	1	751742	7440629
	0.1	1	751523	7440592
	0.1	1	751771	7441028
	0.1	1	751592	7441110
	0.1	1	751531	7440568
	0.1	1	752386	7440181
0.1	1	751785	7440413	
0.1	1	752185	7440706	
0.1	1	751538	7440990	
0.1	1	752224	7440681	
0.1	1	751505	7440466	
0.1	1	752087	7440389	
0.1	1	752142	7440378	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752249	7440517
	0.1	1	752365	7440250
	0.1	1	752269	7440729
	0.1	1	752268	7440263
	0.1	1	751730	7441020
	0.1	1	752279	7440550
	0.1	1	752257	7440496
	0.1	1	752157	7440497
	0.1	1	751542	7440594
	0.1	1	752392	7440219
	0.1	1	751718	7440589
	0.1	1	752269	7440355
	0.1	2	752246	7440494
	0.1	1	752272	7440723
	0.1	1	752377	7440254
	0.1	1	751517	7440510
	0.1	2	751783	7440418
	0.1	1	751548	7441111
	0.1	1	752081	7440739
	0.1	1	752197	7440688
	0.1	1	752238	7440484
	0.1	1	752148	7440835
	0.1	1	751752	7440423
	0.1	1	752207	7440187
	0.1	1	752403	7440218
	0.1	1	751746	7440558
	0.1	1	752228	7440689
	0.1	1	751522	7440427
	0.1	2	752343	7440709
	0.1	1	752072	7440376
	0.1	1	752245	7440487
	0.1	1	751797	7440512
	0.1	1	752372	7440279
	0.1	1	752342	7440754
0.1	1	752401	7440223	
0.1	1	752270	7440265	
0.1	2	751785	7440421	
0.1	2	752373	7440813	
0.1	1	752247	7440482	
0.1	1	751520	7440593	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752266	7440731
	0.1	1	752249	7440483
	0.1	1	752340	7440622
	0.1	1	752251	7440482
	0.1	1	752393	7440240
	0.1	1	752399	7440812
	0.1	1	752267	7440361
	0.1	1	752223	7440564
	0.1	1	751652	7441164
	0.1	1	752398	7440691
	0.1	1	752248	7440467
	0.1	1	751703	7440803
	0.1	1	752050	7440765
	0.1	2	751785	7440424
	0.1	1	751772	7440144
	0.1	1	752298	7440206
	0.1	1	752344	7440489
	0.1	1	751550	7441196
	0.1	1	751501	7440569
	0.1	1	752188	7440495
	0.1	4	752193	7440103
	0.1	1	752255	7440407
	0.1	2	752389	7440273
	0.1	1	751797	7441030
	0.1	1	752399	7440816
	0.1	1	751707	7441140
	0.1	1	752200	7440320
	0.1	2	751563	7440665
	0.1	1	752348	7440712
	0.1	1	752236	7440296
	0.1	1	752200	7440449
	0.1	1	752395	7440269
	0.1	1	751586	7441110
	0.1	1	752195	7440097
0.1	1	752144	7440835	
0.1	1	751524	7440612	
0.1	1	752220	7440715	
0.1	1	752382	7440352	
0.1	1	751699	7440639	
0.1	1	751501	7440624	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752068	7440836
	0.1	1	751797	7440606
	0.1	1	751489	7440186
	0.1	1	752147	7440081
	0.1	1	752173	7440459
	0.1	1	752154	7440661
	0.1	1	751490	7440210
	0.1	1	752204	7440711
	0.1	3	752150	7440465
	0.1	1	751727	7440421
	0.1	1	752265	7440199
	0.1	1	752381	7440900
	0.1	1	751726	7441025
	0.1	2	752148	7440078
	0.1	2	751788	7440420
	0.1	1	751654	7441164
	0.1	1	752239	7440550
	0.1	2	751784	7440532
	0.1	1	752243	7440111
	0.1	1	752190	7440743
	0.1	1	752347	7440527
	0.1	1	751728	7440422
	0.1	1	752243	7440086
	0.1	1	752291	7440095
	0.1	1	752374	7440815
	0.1	1	751611	7441250
	0.1	1	752350	7440715
	0.1	1	752270	7440596
	0.1	2	751772	7440553
	0.1	2	752189	7440078
	0.1	1	752372	7440412
	0.1	1	752195	7440069
	0.1	1	752384	7440285
	0.1	1	751753	7440162
	0.1	1	751722	7440420
	0.1	1	752381	7440286
0.1	1	752338	7440629	
0.1	2	751780	7440583	
0.1	1	751521	7440613	
0.1	1	752383	7440285	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752076	7440837
	0.1	2	752223	7440726
	0.1	1	752408	7440300
	0.1	1	752268	7440224
	0.1	1	751652	7441163
	0.1	1	751721	7440418
	0.1	1	751528	7440582
	0.1	1	751804	7441056
	0.1	1	751740	7440536
	0.1	1	752147	7440664
	0.1	2	752152	7440113
	0.1	1	752207	7440681
	0.1	1	752394	7440640
	0.1	1	752178	7440115
	0.1	2	752151	7440462
	0.1	1	752407	7440334
	0.1	1	752169	7440709
	0.1	1	752226	7440070
	0.1	1	751742	7440677
	0.1	1	751716	7440408
	0.1	1	752172	7440207
	0.1	1	752413	7440346
	0.1	1	751753	7440422
	0.1	1	752349	7440717
	0.1	1	752166	7440220
	0.1	1	751521	7440613
	0.1	1	752391	7440409
	0.1	1	751491	7440936
	0.1	1	752274	7440546
	0.1	1	751651	7441165
	0.1	1	751702	7440615
	0.1	1	751789	7440627
	0.1	1	752401	7440414
0.1	2	752029	7441077	
0.1	1	752376	7440611	
0.1	1	752219	7440094	
0.1	1	752058	7440847	
0.1	1	752342	7440646	
0.1	1	751564	7440402	
0.1	1	752273	7440819	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752183	7440295
	0.1	1	751696	7440611
	0.1	1	752145	7440709
	0.1	1	752215	7440443
	0.1	1	751544	7440650
	0.1	1	752166	7440734
	0.1	1	751777	7440604
	0.1	1	752150	7440825
	0.1	1	752218	7440453
	0.1	1	752185	7440491
	0.1	1	752174	7440447
	0.1	1	752221	7440094
	0.1	1	752265	7440492
	0.1	1	752154	7440239
	0.1	1	751650	7441167
	0.1	1	751764	7440212
	0.1	1	751773	7440600
	0.1	1	752050	7440851
	0.1	1	752336	7440754
	0.1	1	752390	7440521
	0.1	2	752176	7440365
	0.1	1	751522	7440587
	0.1	1	751615	7441252
	0.1	1	752228	7440745
	0.1	1	752295	7440190
	0.1	1	752274	7440656
	0.1	1	752359	7440678
	0.1	1	751494	7440877
	0.1	1	751531	7440430
	0.1	1	752174	7440777
	0.1	1	751730	7440396
	0.1	1	752271	7440544
	0.1	2	752275	7440500
	0.1	1	752142	7440253
	0.1	2	752377	7440816
	0.1	2	752175	7440368
0.1	1	752396	7440569	
0.1	1	752233	7440442	
0.1	1	751769	7440635	
0.1	1	752394	7440664	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	4	752185	7440368
	0.1	1	752350	7440723
	0.1	1	751655	7441169
	0.1	1	751708	7440993
	0.1	1	752151	7440729
	0.1	2	751534	7440429
	0.1	1	751512	7440587
	0.1	2	752353	7440738
	0.1	1	752025	7441029
	0.1	1	751734	7440255
	0.1	1	752279	7440511
	0.1	1	752182	7440395
	0.1	1	752165	7440553
	0.1	2	752384	7440979
	0.1	1	752391	7440578
	0.1	1	751804	7441055
	0.1	1	751591	7441112
	0.1	1	751543	7440666
	0.1	1	751721	7440219
	0.1	1	751503	7441021
	0.1	1	752163	7440401
	0.1	1	752391	7440586
	0.1	1	751735	7440227
	0.1	1	751796	7440344
	0.1	1	752292	7440219
	0.1	1	752045	7440542
	0.1	1	752170	7440803
	0.1	2	752159	7440405
	0.1	1	752063	7440388
	0.1	1	751789	7440419
	0.1	1	751722	7440241
	0.1	1	752230	7440754
	0.1	1	752393	7440587
	0.1	1	752369	7440753
0.1	1	752395	7440604	
0.1	1	751808	7441055	
0.1	1	752274	7440095	
0.1	2	752380	7440980	
0.1	2	751564	7440659	
0.1	1	751692	7441168	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	752273	7440835
	0.1	1	752346	7440538
	0.1	1	751515	7440622
	0.1	1	752356	7440764
	0.1	1	752369	7440825
	0.1	1	752170	7440401
	0.1	1	751543	7440242
	0.1	2	752051	7440586
	0.1	1	751750	7440518
	0.1	1	752213	7440434
	0.1	1	751537	7441429
	0.1	1	751751	7440414
	0.1	1	752357	7440760
	0.1	1	752353	7440769
	0.1	1	752394	7440604
	0.1	1	752204	7440624
	0.1	1	752292	7440186
	0.1	1	752347	7440762
	0.1	1	751700	7440597
	0.1	1	752346	7440535
	0.1	1	751738	7440532
	0.1	1	751692	7440614
	0.1	1	752297	7440117
	0.1	1	752054	7440723
	0.1	1	751743	7440397
	0.1	1	752206	7440635
	0.1	1	751752	7440516
	0.1	3	752205	7440579
	0.1	1	752394	7440646
	0.1	1	752273	7440090
	0.1	1	751705	7440627
	0.1	1	752353	7440801
	0.1	1	752220	7440209
	0.1	1	752292	7440117
	0.1	1	752180	7440491
	0.1	1	752217	7440221
0.1	1	752345	7440535	
0.1	1	752375	7440785	
0.1	1	752059	7440731	
0.1	1	752399	7440623	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752359	7440814
	0.1	1	751688	7440846
	0.1	1	752207	7440436
	0.1	2	751519	7440587
	0.1	2	751565	7440663
	0.1	1	751528	7440430
	0.1	1	751478	7440329
	0.1	1	752333	7440837
	0.1	2	752376	7440791
	0.1	1	752148	7440302
	0.1	1	751748	7440241
	0.1	1	752210	7440557
	0.1	1	752285	7440280
	0.1	1	752349	7440687
	0.1	1	751780	7440170
	0.1	1	751600	7441234
	0.1	1	752197	7440778
	0.1	1	751697	7440661
	0.1	1	752376	7440211
	0.1	1	751741	7440546
	0.1	1	752351	7440547
	0.1	1	752199	7440220
	0.1	1	752251	7440828
	0.1	1	751547	7440556
	0.1	1	751530	7440430
	0.1	1	751722	7440834
	0.1	1	752364	7440131
	0.1	1	751529	7440529
	0.1	1	752227	7440337
	0.1	1	751548	7440569
	0.1	1	752284	7440283
	0.1	1	751500	7440986
	0.1	1	752242	7440820
	0.1	1	752227	7440760
0.1	1	752360	7440235	
0.1	1	752168	7440817	
0.1	1	751775	7440170	
0.1	1	752064	7440729	
0.1	1	752075	7440655	
0.1	2	752062	7440389	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751784	7441015
	0.1	1	752272	7440681
	0.1	1	752365	7440020
	0.1	1	752369	7440234
	0.1	1	752357	7440685
	0.1	1	751783	7440172
	0.1	1	751540	7440495
	0.1	1	752254	7440757
	0.1	1	752364	7440915
	0.1	1	752346	7440744
	0.1	1	752155	7440777
	0.1	1	752199	7440209
	0.1	1	751511	7440588
	0.1	1	751728	7440879
	0.1	1	751593	7441235
	0.1	1	752201	7440264
	0.1	1	752347	7440681
	0.1	1	752253	7440750
	0.1	1	752359	7440009
	0.1	1	751777	7440181
	0.1	1	752152	7440401
	0.1	2	752373	7440018
	0.1	1	752222	7440662
	0.1	2	752368	7440008
	0.1	2	752280	7440698
	0.1	1	751749	7440485
	0.1	1	752182	7440704
	0.1	2	752269	7440725
	0.1	1	751725	7440621
	0.1	1	752209	7440544
	0.1	1	752253	7440635
	0.1	1	752398	7440708
	0.1	2	752390	7440001
	0.1	1	751742	7440536
	0.1	1	751746	7440556
	0.1	1	752249	7440629
0.1	1	752385	7440795	
0.1	1	752371	7440244	
0.1	1	752397	7440003	
0.1	1	752347	7440704	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	752385	7440020
	0.1	1	751819	7441035
	0.1	1	752256	7440605
	0.1	1	751578	7440646
	0.1	1	752317	7440456
	0.1	2	751510	7440586
	0.1	1	752342	7440641
	0.1	1	752322	7440810
	0.1	1	752368	7440241
	0.1	1	752208	7440821
	0.1	1	752296	7440571
	0.1	1	752283	7440386
	0.1	1	752361	7440810
	0.1	1	752369	7440594
	0.1	1	751582	7441034
	0.1	1	751519	7440305
	0.1	1	751616	7440692
	0.1	2	751598	7440888
	0.1	1	751612	7440529
	0.1	2	751551	7440416
	0.1	1	751836	7440826
	0.1	1	752311	7440314
	0.1	1	751660	7440437
	0.1	1	752343	7440637
	0.1	1	752347	7440755
	0.1	1	751528	7440158
	0.1	1	751863	7441026
	0.1	1	752252	7440752
	0.1	1	751596	7440790
	0.1	1	752373	7440783
	0.1	1	752102	7440177
	0.1	1	751735	7440971
	0.1	1	751593	7440607
	0.1	1	751814	7441014
0.1	1	752034	7440745	
0.1	1	752368	7440124	
0.1	1	751563	7440406	
0.1	1	751644	7440443	
0.1	1	751583	7440585	
0.1	2	751533	7440666	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752305	7440525
	0.1	1	751600	7440535
	0.1	1	751618	7440620
	0.1	1	752137	7440645
	0.1	2	752351	7440028
	0.1	1	751520	7440306
	0.1	1	751837	7440822
	0.1	1	751514	7440624
	0.1	1	751863	7440468
	0.1	1	751699	7440589
	0.1	2	752031	7440689
	0.1	3	752321	7440767
	0.1	1	751589	7440609
	0.1	1	752315	7440576
	0.1	1	751650	7440620
	0.1	1	752342	7440636
	0.1	1	751604	7440761
	0.1	1	751569	7440397
	0.1	1	751672	7440727
	0.1	2	752355	7440767
	0.1	1	751659	7440794
	0.1	1	752352	7440741
	0.1	1	752375	7440889
	0.1	1	752043	7440381
	0.1	1	751850	7440634
	0.1	1	751710	7440184
	0.1	3	751625	7440741
	0.1	1	751585	7440125
	0.1	1	751644	7440478
	0.1	1	751650	7441075
	0.1	1	751711	7440196
	0.1	1	752123	7440822
	0.1	1	751648	7441090
	0.1	1	751836	7440818
0.1	1	751719	7440935	
0.1	1	751608	7440566	
0.1	1	751608	7440231	
0.1	1	751670	7440444	
0.1	1	752348	7440847	
0.1	1	752319	7440138	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751706	7440577
	0.1	1	752309	7440308
	0.1	1	752362	7440018
	0.1	1	751608	7440628
	0.1	1	752347	7440087
	0.1	1	751580	7440586
	0.1	1	751603	7440569
	0.1	1	751532	7440420
	0.1	1	751853	7441024
	0.1	1	751645	7441076
	0.1	1	752377	7440381
	0.1	1	751669	7440550
	0.1	1	751752	7441090
	0.1	1	752331	7440672
	0.1	2	751597	7440574
	0.1	1	752323	7440750
	0.1	1	752355	7440504
	0.1	1	752192	7440787
	0.1	1	752302	7440267
	0.1	1	751514	7440625
	0.1	1	752303	7440265
	0.1	1	752373	7440756
	0.1	1	751619	7440700
	0.1	1	752131	7440711
	0.1	1	751566	7440398
	0.1	1	752348	7440725
	0.1	1	751554	7440277
	0.1	1	751813	7440871
	0.1	1	752350	7440378
	0.1	1	751831	7440313
	0.1	1	751852	7440213
	0.1	2	751527	7440414
	0.1	1	752375	7440379
	0.1	1	751528	7440580
0.1	1	752256	7440589	
0.1	1	751659	7440441	
0.1	1	751617	7440696	
0.1	1	751559	7440387	
0.1	1	751819	7440754	
0.1	1	751584	7440534	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751608	7440530
	0.1	1	752379	7440791
	0.1	1	751628	7440523
	0.1	1	751662	7440505
	0.1	1	751564	7440286
	0.1	1	752121	7440707
	0.1	1	751514	7440626
	0.1	1	752363	7440562
	0.1	1	752368	7440746
	0.1	2	752326	7440744
	0.1	1	751555	7440343
	0.1	1	751757	7440714
	0.1	1	751826	7440526
	0.1	1	751643	7440500
	0.1	1	751833	7440478
	0.1	1	752319	7440343
	0.1	1	752258	7440758
	0.1	1	751514	7440426
	0.1	1	751755	7440705
	0.1	4	752328	7440736
	0.1	1	751825	7440674
	0.1	1	751523	7440649
	0.1	1	751579	7440321
	0.1	1	752373	7440994
	0.1	1	751579	7440163
	0.1	1	752356	7440194
	0.1	1	752361	7440271
	0.1	1	751857	7440188
	0.1	1	752381	7440633
	0.1	1	751554	7440331
	0.1	1	752368	7440304
	0.1	1	751668	7440644
	0.1	1	751565	7440148
	0.1	1	752136	7440819
0.1	3	751599	7440656	
0.1	1	751817	7440625	
0.1	1	751609	7440835	
0.1	1	752346	7440540	
0.1	2	751826	7440673	
0.1	1	752347	7440296	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751631	7440267
	0.1	1	751539	7440300
	0.1	1	751845	7441026
	0.1	2	752380	7440903
	0.1	1	751843	7440632
	0.1	1	752315	7440579
	0.1	1	752377	7440043
	0.1	1	751677	7440396
	0.1	1	751667	7440768
	0.1	1	752023	7440405
	0.1	1	752121	7440537
	0.1	1	751574	7440573
	0.1	1	752303	7440615
	0.1	1	751619	7440394
	0.1	1	752382	7440987
	0.1	1	752402	7440213
	0.1	1	751693	7440341
	0.1	1	752344	7440387
	0.1	1	751566	7440150
	0.1	1	751551	7440620
	0.1	1	752373	7440241
	0.1	1	752306	7440638
	0.1	1	751656	7440856
	0.1	1	752118	7440202
	0.1	1	752372	7440707
	0.1	1	751837	7440633
	0.1	1	752368	7440257
	0.1	1	752017	7440427
	0.1	1	752332	7440502
	0.1	1	752362	7440301
	0.1	1	752131	7440572
	0.1	1	751611	7440284
	0.1	1	751545	7440607
0.1	1	751573	7440538	
0.1	1	751616	7440398	
0.1	1	751612	7440545	
0.1	1	751848	7440633	
0.1	1	752303	7440544	
0.1	1	752353	7441007	
0.1	1	752297	7440720	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752380	7440632
	0.1	1	752310	7440304
	0.1	1	752018	7440490
	0.1	1	751550	7440601
	0.1	1	752248	7440571
	0.1	1	751685	7440157
	0.1	1	752374	7440997
	0.1	1	752247	7440643
	0.1	1	751573	7440152
	0.1	1	752306	7440736
	0.1	1	751624	7441005
	0.1	1	751750	7441084
	0.1	1	751520	7440427
	0.1	1	752342	7440463
	0.1	1	752093	7440576
	0.1	1	751525	7440428
	0.1	1	752310	7440305
	0.1	1	751550	7440856
	0.1	1	751667	7440713
	0.1	1	751526	7440371
	0.1	1	751648	7440282
	0.1	1	752016	7440486
	0.1	1	751661	7440655
	0.1	1	752300	7440381
	0.1	1	751663	7441060
	0.1	1	752327	7440153
	0.1	1	751604	7440568
	0.1	1	752386	7440199
	0.1	1	751618	7441040
	0.1	1	752321	7440370
	0.1	1	752350	7440808
	0.1	1	752093	7440077
	0.1	1	751648	7440290
0.1	1	751672	7440837	
0.1	1	751525	7440413	
0.1	1	751523	7440625	
0.1	1	752286	7440751	
0.1	1	752319	7440143	
0.1	1	751626	7441070	
0.1	1	751600	7440628	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752347	7440081
	0.1	2	752345	7440453
	0.1	1	751539	7440594
	0.1	1	751644	7440308
	0.1	1	751553	7440768
	0.1	1	751621	7440563
	0.1	1	752372	7440978
	0.1	1	751607	7440544
	0.1	1	752052	7440357
	0.1	1	751561	7440150
	0.1	1	752305	7440548
	0.1	1	751849	7440208
	0.1	1	752367	7440721
	0.1	1	751522	7440589
	0.1	1	752249	7440748
	0.1	1	752338	7440381
	0.1	1	751583	7440365
	0.1	1	752348	7440947
	0.1	2	752347	7440805
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752337	7440319
	0.1	1	751525	7440625
	0.1	1	752111	7440126
	0.1	1	751660	7440680
	0.1	1	751839	7440586
	0.1	1	751520	7440589
	0.1	1	751636	7441030
	0.1	1	752040	7440272
	0.1	1	751643	7440312
	0.1	1	752339	7440123
	0.1	1	751626	7440294
	0.1	1	752124	7440419
	0.1	1	752358	7440911
	0.1	1	751842	7440552
	0.1	1	752386	7440165
	0.1	1	752098	7440737
	0.1	1	752355	7440417
	0.1	1	751625	7440547
	0.1	1	751642	7440711
	0.1	1	752015	7440430
	0.1	1	751843	7440611

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751528	7440835
	0.1	1	752254	7440814
	0.1	1	751576	7440318
	0.1	1	752039	7440218
	0.1	1	751517	7440589
	0.1	1	752293	7440288
	0.1	1	752350	7440684
	0.1	1	752287	7440285
	0.1	1	752329	7440031
	0.1	2	752133	7440364
	0.1	1	752372	7440787
	0.1	1	751651	7440328
	0.1	1	751529	7440429
	0.1	1	752049	7440138
	0.1	1	751566	7440573
	0.1	1	752353	7440310
	0.1	1	752046	7440304
	0.1	1	752373	7440609
	0.1	2	752368	7440245
	0.1	1	752305	7440777
	0.1	1	751829	7441074
	0.1	1	751611	7440534
	0.1	1	752124	7440306
	0.1	1	751532	7440665
	0.1	1	752293	7440224
	0.1	2	752325	7440028
	0.1	1	752337	7440381
	0.1	1	751847	7441004
	0.1	1	751535	7440500
	0.1	1	751600	7440994
	0.1	1	751657	7440986
	0.1	1	751854	7440673
	0.1	1	751534	7440267
	0.1	2	751526	7440372
	0.1	2	751837	7441051
	0.1	2	752255	7440579
0.1	1	752399	7440196	
0.1	1	752295	7440234	
0.1	1	752088	7440170	
0.1	1	751524	7440414	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751858	7440665
	0.1	3	752290	7440253
	0.1	1	751575	7440648
	0.1	1	751607	7440990
	0.1	2	751828	7440240
	0.1	1	751588	7440333
	0.1	1	752019	7440337
	0.1	1	752342	7440754
	0.1	1	751542	7440191
	0.1	1	751670	7440511
	0.1	1	751581	7441026
	0.1	1	751555	7440139
	0.1	1	751529	7440412
	0.1	1	752247	7440598
	0.1	2	751835	7441049
	0.1	1	752376	7440904
	0.1	1	751591	7440633
	0.1	1	751854	7440910
	0.1	1	751614	7440547
	0.1	2	752326	7440032
	0.1	1	751530	7440415
	0.1	1	751510	7440247
	0.1	1	751561	7440449
	0.1	1	751537	7440302
	0.1	1	752364	7440010
	0.1	1	752360	7440271
	0.1	1	752366	7440305
	0.1	1	752322	7440130
	0.1	1	751531	7440664
	0.1	1	752349	7440942
	0.1	1	751602	7440968
	0.1	1	751631	7440327
	0.1	2	752301	7440296
0.1	1	752141	7440472	
0.1	3	752292	7440253	
0.1	1	752300	7440120	
0.1	1	752386	7440633	
0.1	1	752322	7440648	
0.1	1	752155	7440183	
0.1	1	752304	7440264	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	752178	7440432
	0.1	1	752322	7440132
	0.1	1	751700	7440622
	0.1	1	751747	7440133
	0.1	1	751667	7440492
	0.1	1	752245	7440315
	0.1	1	752271	7440489
	0.1	1	751751	7440521
	0.1	1	752178	7440405
	0.1	1	751585	7441112
	0.1	1	751671	7440307
	0.1	1	752107	7440472
	0.1	1	752224	7440676
	0.1	1	751501	7440455
	0.1	1	752048	7440591
	0.1	1	752100	7440793
	0.1	3	752300	7440120
	0.1	1	751790	7440426
	0.1	1	751701	7440618
	0.1	1	751705	7440257
	0.1	1	752191	7440069
	0.1	1	751638	7440573
	0.1	1	752168	7440401
	0.1	1	752337	7440096
	0.1	1	751519	7440256
	0.1	1	752268	7440729
	0.1	1	751674	7440559
	0.1	1	752121	7440703
	0.1	1	752197	7440665
	0.1	1	751606	7441058
	0.1	1	751645	7440657
	0.1	1	751568	7440981
	0.1	1	752166	7440400
0.1	1	751747	7440523	
0.1	1	751621	7440891	
0.1	1	752359	7440266	
0.1	1	751766	7440615	
0.1	1	752192	7440199	
0.1	1	752404	7440595	
0.1	1	752165	7440399	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751515	7440267
	0.1	1	752199	7440681
	0.1	1	751856	7441015
	0.1	1	751599	7440658
	0.1	1	751670	7440548
	0.1	1	752314	7440583
	0.1	2	751780	7440590
	0.1	1	752285	7440220
	0.1	1	751560	7440938
	0.1	1	752260	7440403
	0.1	1	751760	7440707
	0.1	1	751583	7441110
	0.1	1	752163	7440094
	0.1	1	751626	7440390
	0.1	1	752109	7440472
	0.1	1	752294	7440223
	0.1	1	752059	7440446
	0.1	1	751697	7440402
	0.1	1	752398	7440268
	0.1	1	752334	7440748
	0.1	1	751856	7441023
	0.1	1	751710	7440614
	0.1	1	751803	7440498
	0.1	1	752216	7440769
	0.1	1	752298	7440286
	0.1	1	752245	7440226
	0.1	4	752195	7440327
	0.1	1	752383	7440580
	0.1	2	752184	7440361
	0.1	1	751849	7441038
	0.1	1	751719	7440131
	0.1	1	751620	7440888
	0.1	1	751859	7441028
	0.1	1	752079	7440718
0.1	1	751641	7440501	
0.1	1	752121	7440797	
0.1	1	752386	7440574	
0.1	1	752297	7440571	
0.1	1	752161	7440097	
0.1	1	751699	7440609	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	752329	7440029
	0.1	1	752051	7440427
	0.1	1	752343	7440427
	0.1	1	752282	7440490
	0.1	3	752267	7440569
	0.1	1	752013	7440600
	0.1	1	752251	7440477
	0.1	1	752274	7440312
	0.1	1	752387	7440537
	0.1	1	752241	7440485
	0.1	1	751506	7440467
	0.1	2	752261	7440533
	0.1	1	751703	7440614
	0.1	1	751679	7440918
	0.1	1	751618	7440624
	0.1	2	752206	7440061
	0.1	1	752299	7440774
	0.1	1	752275	7440276
	0.1	1	752291	7440224
	0.1	1	752171	7440364
	0.1	1	751856	7441019
	0.1	1	752097	7440462
	0.1	1	752345	7440060
	0.1	2	752151	7440582
	0.1	1	752067	7440429
	0.1	1	752056	7440388
	0.1	1	752137	7440670
	0.1	1	752163	7440098
	0.1	1	751659	7440330
	0.1	1	752408	7440518
	0.1	1	752301	7440209
	0.1	1	752402	7440299
	0.1	1	752169	7440344
	0.1	1	751646	7440482
0.1	1	751524	7440371	
0.1	1	751616	7440552	
0.1	1	752060	7440372	
0.1	1	752044	7440379	
0.1	1	751624	7440339	
0.1	1	751689	7440614	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752403	7440498
	0.1	1	751852	7441019
	0.1	1	752122	7440290
	0.1	1	751510	7441110
	0.1	1	752179	7440309
	0.1	1	751843	7441028
	0.1	1	751593	7440584
	0.1	1	752197	7440703
	0.1	1	751521	7440397
	0.1	1	752216	7440691
	0.1	3	752129	7440367
	0.1	1	751490	7440525
	0.1	1	752314	7440667
	0.1	1	752028	7440400
	0.1	1	752392	7440487
	0.1	1	752105	7440233
	0.1	1	752184	7440312
	0.1	1	751803	7440541
	0.1	1	751524	7440371
	0.1	1	751726	7441054
	0.1	1	752296	7440613
	0.1	1	752240	7440264
	0.1	1	752143	7440266
	0.1	1	752278	7440756
	0.1	1	752387	7440478
	0.1	1	752180	7440307
	0.1	1	752029	7440326
	0.1	1	751650	7440409
	0.1	1	752026	7440680
	0.1	1	752144	7440635
	0.1	1	752289	7440218
	0.1	4	752187	7440369
	0.1	1	752383	7440467
0.1	1	752344	7440143	
0.1	1	751670	7441000	
0.1	2	752394	7440269	
0.1	1	752332	7440725	
0.1	1	752089	7440436	
0.1	1	752343	7440081	
0.1	1	751564	7440583	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752390	7440441
	0.1	2	752181	7440294
	0.1	1	751726	7440881
	0.1	1	752283	7440281
	0.1	1	752148	7440105
	0.1	1	751632	7440759
	0.1	1	752302	7440602
	0.1	1	751579	7440153
	0.1	2	752283	7440487
	0.1	1	751782	7440199
	0.1	1	752121	7440690
	0.1	1	751842	7441024
	0.1	1	752183	7440292
	0.1	1	751842	7441025
	0.1	1	751579	7440581
	0.1	1	752215	7440714
	0.1	3	752302	7440254
	0.1	1	751661	7440752
	0.1	1	751806	7440575
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751535	7440378
	0.1	1	751651	7440762
	0.1	1	752286	7440757
	0.1	1	751587	7441035
	0.1	1	752155	7440645
	0.1	1	751764	7440207
	0.1	1	752215	7440363
	0.1	1	751606	7441064
	0.1	1	751489	7440185
	0.1	2	752307	7440759
	0.1	1	751799	7440127
	0.1	1	752277	7440771
	0.1	1	751609	7440563
	0.1	1	751723	7440812
	0.1	1	751857	7440234
	0.1	1	751610	7440637
	0.1	1	752271	7440595
	0.1	1	752275	7440173
	0.1	1	752214	7440720
	0.1	1	752145	7440099
	0.1	1	751502	7440632

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751795	7440615
	0.1	1	751709	7440994
	0.1	1	752150	7440412
	0.1	1	752270	7440787
	0.1	3	752387	7440235
	0.1	1	752148	7440659
	0.1	1	752280	7440485
	0.1	1	751656	7440777
	0.1	1	752206	7440394
	0.1	1	752236	7440164
	0.1	1	752132	7440531
	0.1	1	751493	7440658
	0.1	1	751657	7440576
	0.1	1	751795	7440622
	0.1	1	752192	7440077
	0.1	1	752280	7440818
	0.1	1	752029	7440716
	0.1	1	752144	7440290
	0.1	1	751685	7441188
	0.1	1	752313	7440480
	0.1	1	751733	7440228
	0.1	1	752388	7440255
	0.1	1	751853	7440251
	0.1	1	752270	7440118
	0.1	1	752220	7440421
	0.1	3	751832	7440968
	0.1	1	751793	7440152
	0.1	1	752228	7440727
	0.1	1	751494	7440658
	0.1	1	752405	7440215
	0.1	1	751660	7440675
	0.1	1	751650	7440528
	0.1	3	752267	7440439
	0.1	1	752204	7440423
0.1	1	751653	7440779	
0.1	1	752320	7440474	
0.1	1	751748	7440231	
0.1	1	752158	7440408	
0.1	1	751758	7440711	
0.1	1	751797	7440631	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752192	7440097
	0.1	2	752270	7440827
	0.1	1	752101	7440724
	0.1	1	751611	7441068
	0.1	1	751864	7440459
	0.1	1	752306	7440314
	0.1	1	751660	7440796
	0.1	2	751782	7440534
	0.1	1	752045	7440827
	0.1	1	751494	7440905
	0.1	1	751829	7440731
	0.1	1	751802	7440754
	0.1	3	752294	7440382
	0.1	1	752325	7440677
	0.1	1	752153	7440729
	0.1	1	751621	7440630
	0.1	1	751768	7440174
	0.1	1	751705	7440959
	0.1	1	751688	7441171
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752232	7440761
	0.1	1	751770	7440989
	0.1	1	751745	7440243
	0.1	2	751795	7440806
	0.1	1	752015	7440575
	0.1	1	751575	7440152
	0.1	1	752283	7440388
	0.1	1	751502	7440188
	0.1	1	751730	7440426
	0.1	1	752281	7440838
	0.1	1	752297	7440759
	0.1	1	752299	7440786
	0.1	1	751789	7440177
	0.1	1	752157	7440733
	0.1	1	752048	7440791
	0.1	2	751787	7440429
	0.1	1	752395	7440276
	0.1	1	751799	7441025
	0.1	1	751648	7440369
	0.1	1	752200	7440189
	0.1	1	751655	7440342

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752317	7440453
	0.1	1	751717	7440607
	0.1	1	751608	7440639
	0.1	1	752296	7440400
	0.1	1	751762	7440833
	0.1	1	751649	7440331
	0.1	1	752271	7440354
	0.1	1	752401	7441043
	0.1	1	752228	7440765
	0.1	1	751514	7440981
	0.1	1	751640	7440312
	0.1	1	752081	7440717
	0.1	1	752136	7440070
	0.1	1	752284	7440380
	0.1	1	751656	7440792
	0.1	1	752106	7440708
	0.1	1	752246	7441297
	0.1	1	752231	7440795
	0.1	1	752007	7440686
	0.1	1	751732	7440535
	0.1	1	752225	7440443
	0.1	2	751784	7440416
	0.1	1	752313	7440431
	0.1	1	752045	7440780
	0.1	1	752225	7440271
	0.1	1	751803	7440209
	0.1	1	752241	7441274
	0.1	1	752226	7440805
	0.1	1	751499	7441078
	0.1	1	751624	7441073
	0.1	3	752275	7440088
	0.1	1	752403	7440975
	0.1	1	752327	7440768
	0.1	1	751605	7440528
0.1	1	752198	7440188	
0.1	1	752075	7440327	
0.1	1	751848	7440556	
0.1	1	752077	7440715	
0.1	1	751726	7440540	
0.1	1	752228	7440094	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752221	7440837
	0.1	1	752154	7440418
	0.1	1	751807	7441054
	0.1	1	751655	7440590
	0.1	1	752395	7440954
	0.1	1	751765	7440393
	0.1	1	752297	7440744
	0.1	1	751653	7440790
	0.1	1	752194	7440176
	0.1	1	752017	7440686
	0.1	1	752035	7440901
	0.1	1	752301	7440312
	0.1	6	751815	7441016
	0.1	1	751808	7441055
	0.1	1	751614	7440255
	0.1	1	752051	7440764
	0.1	1	752313	7440429
	0.1	1	752274	7440085
	0.1	2	752265	7440358
	0.1	1	752027	7441021
	0.1	1	751597	7440656
	0.1	1	751695	7440741
	0.1	1	752402	7440937
	0.1	1	751727	7440544
	0.1	1	752180	7440801
	0.1	1	752015	7440495
	0.1	1	751653	7440873
	0.1	1	752191	7440461
	0.1	1	752317	7440418
	0.1	1	751498	7440210
	0.1	1	751530	7440418
	0.1	1	752080	7440391
	0.1	1	751711	7440329
	0.1	1	752194	7440268
	0.1	1	752397	7440926
	0.1	1	752310	7440537
0.1	1	751598	7440536	
0.1	1	752108	7440635	
0.1	1	751621	7440559	
0.1	1	751642	7440976	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751727	7440720
	0.1	1	752155	7440430
	0.1	1	752030	7441042
	0.1	1	751679	7440785
	0.1	1	752128	7440371
	0.1	1	751684	7440676
	0.1	1	751671	7440513
	0.1	1	752386	7440942
	0.1	1	752279	7440052
	0.1	1	751598	7440533
	0.1	1	752123	7440416
	0.1	1	751833	7440309
	0.1	1	751524	7440417
	0.1	1	751771	7440169
	0.1	3	752394	7440909
	0.1	1	751527	7440426
	0.1	1	752204	7440472
	0.1	1	751727	7440396
	0.1	1	752027	7441079
	0.1	1	752233	7440443
	0.1	1	751510	7440249
	0.1	3	752379	7440896
	0.1	1	752281	7440279
	0.1	1	752047	7440763
	0.1	1	752250	7440206
	0.1	1	752175	7440712
	0.1	1	751584	7440532
	0.1	1	752281	7440049
	0.1	1	752394	7440278
	0.1	1	752067	7440713
	0.1	1	752279	7440697
	0.1	1	751700	7440639
	0.1	1	752386	7440231
0.1	1	752395	7440819	
0.1	1	752174	7440709	
0.1	1	752325	7440316	
0.1	1	752359	7440329	
0.1	1	751596	7440992	
0.1	2	752154	7440438	
0.1	1	752087	7440643	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752309	7440560
	0.1	2	751652	7441163
	0.1	1	752268	7440308
	0.1	1	752157	7440304
	0.1	1	752053	7440749
	0.1	1	752179	7440709
	0.1	1	752333	7440665
	0.1	1	752395	7440278
	0.1	1	752192	7440255
	0.1	1	752274	7440520
	0.1	1	751725	7441023
	0.1	2	752130	7440332
	0.1	1	752179	7440708
	0.1	1	751639	7441030
	0.1	1	751511	7440344
	0.1	1	752292	7440747
	0.1	1	751664	7440566
	0.1	1	751526	7440417
	0.1	1	751649	7441162
	0.1	1	752322	7440699
	0.1	1	752151	7440230
	0.1	1	752394	7440811
	0.1	1	751592	7440528
	0.1	1	751789	7440420
	0.1	1	752054	7440744
	0.1	1	752236	7440162
	0.1	1	752127	7440450
	0.1	1	751639	7441033
	0.1	2	752301	7440103
	0.1	1	751634	7441144
	0.1	1	752395	7440279
	0.1	1	751705	7440630
	0.1	1	752334	7440301
	0.1	1	751630	7440666
0.1	1	751595	7440308	
0.1	1	751757	7440712	
0.1	1	752278	7440698	
0.1	1	751664	7440812	
0.1	1	751599	7441236	
0.1	1	751829	7440260	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	751603	7440651
	0.1	1	752402	7440730
	0.1	1	752207	7440680
	0.1	1	751844	7440632
	0.1	1	751656	7440653
	0.1	1	751650	7441060
	0.1	1	752029	7440742
	0.1	1	752290	7440114
	0.1	1	752013	7440820
	0.1	1	751708	7440630
	0.1	1	752201	7440276
	0.1	1	751589	7441113
	0.1	1	752404	7440711
	0.1	1	752132	7440600
	0.1	1	752178	7440603
	0.1	3	752337	7440298
	0.1	1	751755	7441022
	0.1	1	752266	7440490
	0.1	1	751671	7440539
	0.1	1	752074	7440472
	0.1	2	751489	7440433
	0.1	3	752025	7440694
	0.1	1	752220	7440204
	0.1	1	751781	7440736
	0.1	1	752154	7440297
	0.1	1	752394	7440281
	0.1	1	752178	7440607
	0.1	1	751748	7440515
	0.1	1	751614	7440402
	0.1	1	751777	7441002
	0.1	1	751674	7440656
	0.1	1	751716	7440406
	0.1	1	751591	7441236
0.1	1	752277	7440722	
0.1	1	752179	7440595	
0.1	1	752309	7440794	
0.1	1	752096	7440570	
0.1	1	751603	7440259	
0.1	1	752230	7440275	
0.1	1	752338	7440646	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	752127	7440774
	0.1	1	752069	7440763
	0.1	1	752394	7440284
	0.1	1	752386	7440664
	0.1	1	751727	7440197
	0.1	1	752177	7440563
	0.1	1	752215	7440767
	0.1	1	751492	7440441
	0.1	1	752019	7440765
	0.1	1	751770	7440716
	0.1	1	751611	7440892
	0.1	1	751789	7440422
	0.1	1	752307	7440794
	0.1	1	751621	7440538
	0.1	2	751784	7440597
	0.1	1	752384	7440238
	0.1	1	752285	7440220
	0.1	1	751584	7440252
	0.1	1	752347	7440327
	0.1	1	752315	7440476
	0.1	1	752254	7440064
	0.1	1	751774	7440173
	0.1	1	752119	7440628
	0.1	1	751675	7440251
	0.1	3	751828	7440243
	0.1	2	751725	7441023
	0.1	1	752398	7440223
	0.1	1	751697	7440629
	0.1	2	752024	7440367
	0.1	1	751622	7440537
	0.1	1	752397	7440284
	0.1	1	751585	7441112
	0.1	1	751591	7441037
	0.1	1	751616	7440390
0.1	1	751543	7441128	
0.1	1	751508	7440447	
0.1	1	752399	7440635	
0.1	1	752124	7440771	
0.1	1	752294	7440223	
0.1	1	752174	7440456	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	752321	7440133
	0.1	1	752095	7440558
	0.1	1	751534	7440420
	0.1	1	752040	7440384
	0.1	1	751788	7440424
	0.1	1	751619	7440629
	0.1	1	751547	7441111
	0.1	1	751617	7440890
	0.1	2	752406	7440631
	0.1	1	751516	7440427
	0.1	1	752287	7440282
	0.1	1	751597	7440223
	0.1	1	752311	7440649
	0.1	1	747504	7439884
	0.1	6	745121	7440815
	0.1	1	745558	7440465
	0.1	1	747908	7440148
	0.1	1	744768	7440616
	0.1	1	745155	7440816
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747132	7440479
	0.1	1	744697	7440483
	0.1	1	748301	7440283
	0.1	1	747500	7440017
	0.1	1	747963	7440780
	0.1	1	747931	7440838
	0.1	1	747192	7439667
	0.1	1	744712	7440509
	0.1	2	748308	7440300
	0.1	1	749141	7439505
	0.1	1	747920	7440107
	0.1	1	744765	7440586
	0.1	1	744705	7440388
	0.1	1	746385	7440439
	0.1	1	744755	7440497
	0.1	1	746357	7440670
	0.1	1	746742	7440853
	0.1	1	748377	7440438
	0.1	1	744791	7440586
	0.1	1	746294	7439969
	0.1	1	747140	7440479

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748304	7440251
	0.1	1	747921	7440628
	0.1	6	744741	7440656
	0.1	1	746344	7440847
	0.1	1	745125	7440564
	0.1	1	748372	7440364
	0.1	1	747148	7439638
	0.1	1	744722	7440466
	0.1	1	745187	7440173
	0.1	1	747568	7440508
	0.1	1	745108	7440937
	0.1	1	747902	7440173
	0.1	1	747920	7440657
	0.1	1	746294	7440333
	0.1	1	744769	7440622
	0.1	1	747151	7440286
	0.1	1	744695	7440484
	0.1	2	744721	7440476
	0.1	1	748292	7440277
	0.1	1	747503	7440511
	0.1	1	744751	7440426
	0.1	1	745126	7440819
	0.1	1	744729	7440530
	0.1	1	744739	7440439
	0.1	1	747178	7439961
	0.1	1	746295	7440415
	0.1	1	746731	7440798
	0.1	1	748305	7440249
	0.1	1	747523	7440447
	0.1	1	744729	7440428
	0.1	1	745134	7440805
	0.1	1	748298	7440512
	0.1	1	748368	7440366
	0.1	1	745173	7440447
0.1	1	745169	7440809	
0.1	1	746352	7440902	
0.1	1	747559	7440688	
0.1	1	744772	7440525	
0.1	1	747963	7440110	
0.1	1	744741	7440642	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749567	7439926
	0.1	1	747577	7439529
	0.1	2	747894	7440208
	0.1	1	744777	7440613
	0.1	1	747928	7440486
	0.1	1	746749	7440708
	0.1	1	744771	7440615
	0.1	1	748307	7440249
	0.1	1	746749	7440701
	0.1	1	749568	7439621
	0.1	1	746304	7440285
	0.1	1	745132	7440807
	0.1	3	748306	7440300
	0.1	1	748298	7440281
	0.1	1	744773	7440588
	0.1	1	746346	7440850
	0.1	1	744747	7440704
	0.1	1	747913	7440818
	0.1	1	749522	7440114
	0.1	1	746294	7439969
	0.1	1	747944	7440649
	0.1	2	744715	7440508
	0.1	1	746739	7440665
	0.1	1	745174	7440727
	0.1	2	744744	7440438
	0.1	1	744746	7440475
	0.1	1	746751	7440904
	0.1	1	746359	7440307
	0.1	1	746379	7440769
	0.1	1	747943	7440524
	0.1	1	748305	7440248
	0.1	1	747534	7440445
	0.1	1	747944	7440531
	0.1	1	746370	7440871
0.1	1	746723	7440410	
0.1	1	747933	7440536	
0.1	1	745151	7440778	
0.1	1	746285	7440417	
0.1	1	747133	7440445	
0.1	1	748301	7440282	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747497	7440606
	0.1	1	744719	7440439
	0.1	1	745100	7440830
	0.1	1	749152	7440428
	0.1	1	749564	7439650
	0.1	1	746746	7440953
	0.1	1	746300	7440037
	0.1	1	744708	7440387
	0.1	1	747932	7440459
	0.1	1	747932	7440457
	0.1	1	748374	7439911
	0.1	1	746375	7440772
	0.1	1	744770	7440407
	0.1	1	745188	7440137
	0.1	1	749145	7439532
	0.1	1	748293	7440278
	0.1	1	747532	7440435
	0.1	1	747893	7440209
	0.1	1	744769	7440528
	0.1	1	747134	7440482
	0.1	1	747933	7440165
	0.1	2	745094	7440763
	0.1	1	747923	7440475
	0.1	1	747517	7440592
	0.1	1	744715	7440505
	0.1	1	745176	7440458
	0.1	2	744719	7440479
	0.1	2	744693	7440408
	0.1	1	744794	7440611
	0.1	1	745141	7441040
	0.1	1	746720	7440528
	0.1	1	746296	7440296
	0.1	3	744694	7440412
	0.1	1	747580	7440204
	0.1	1	745107	7440875
	0.1	1	744792	7440484
0.1	1	746756	7440911	
0.1	1	745116	7440894	
0.1	1	747969	7440065	
0.1	1	747920	7440292	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746723	7439651
	0.1	1	747548	7440209
	0.1	1	747535	7440430
	0.1	1	745120	7440552
	0.1	1	748302	7440476
	0.1	1	746749	7440864
	0.1	1	747904	7440164
	0.1	1	746785	7440858
	0.1	1	748379	7440409
	0.1	1	749527	7439921
	0.1	1	747567	7440517
	0.1	1	747899	7440170
	0.1	2	745178	7440378
	0.1	1	749584	7439624
	0.1	1	747962	7440218
	0.1	1	746325	7440548
	0.1	1	748373	7440515
	0.1	2	749132	7439512
	0.1	1	744725	7440508
	0.1	1	744790	7440473
	0.1	1	749576	7439885
	0.1	1	744722	7440436
	0.1	1	747969	7440097
	0.1	1	746328	7440578
	0.1	1	746760	7439755
	0.1	1	745172	7440914
	0.1	1	744725	7440614
	0.1	1	745133	7440603
	0.1	1	747934	7440112
	0.1	1	746316	7440408
	0.1	1	747911	7440818
	0.1	1	746733	7440530
	0.1	1	747923	7440488
0.1	1	747577	7440725	
0.1	1	747927	7440790	
0.1	1	749144	7440288	
0.1	1	745183	7440457	
0.1	1	747961	7440326	
0.1	1	749146	7439506	
0.1	1	747942	7440651	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	749573	7439615
	0.1	1	749151	7440429
	0.1	1	746775	7440940
	0.1	1	744711	7440636
	0.1	1	747496	7440607
	0.1	1	744768	7440594
	0.1	1	749568	7439858
	0.1	1	747909	7440152
	0.1	1	746305	7439938
	0.1	1	748372	7439928
	0.1	1	747184	7440003
	0.1	1	745177	7440214
	0.1	1	749617	7439118
	0.1	1	746690	7440505
	0.1	1	749567	7439796
	0.1	1	748306	7440257
	0.1	1	747526	7440341
	0.1	1	747127	7440390
	0.1	1	745164	7441016
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749592	7439625
	0.1	1	747931	7440145
	0.1	1	744726	7440505
	0.1	1	747541	7440026
	0.1	1	746382	7440486
	0.1	1	746700	7440658
	0.1	1	746378	7440899
	0.1	1	746353	7440566
	0.1	1	745182	7440166
	0.1	1	745174	7440320
	0.1	1	747925	7440567
	0.1	1	748369	7440439
	0.1	1	749582	7439630
	0.1	1	744734	7440634
	0.1	1	747589	7440707
	0.1	1	749578	7439853
	0.1	2	744780	7440623
	0.1	1	747898	7440211
	0.1	1	748377	7439936
	0.1	1	747582	7440549
	0.1	1	745182	7441007

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748309	7440257
	0.1	1	747525	7440340
	0.1	2	746757	7440914
	0.1	1	745109	7440561
	0.1	1	747954	7440779
	0.1	1	749570	7439617
	0.1	1	747928	7440256
	0.1	1	747918	7440679
	0.1	1	745188	7440135
	0.1	1	745196	7440451
	0.1	1	746334	7440250
	0.1	2	744726	7440506
	0.1	1	747966	7440105
	0.1	1	747903	7440826
	0.1	1	747565	7440001
	0.1	4	749131	7439525
	0.1	2	749557	7439289
	0.1	1	747932	7440112
	0.1	1	747903	7440808
	0.1	1	748369	7439991
	0.1	1	746379	7440839
	0.1	1	747565	7440507
	0.1	1	744718	7440362
	0.1	1	744796	7440491
	0.1	1	746722	7440730
	0.1	1	748307	7440258
	0.1	1	747950	7440148
	0.1	1	744753	7440497
	0.1	1	747587	7440705
	0.1	1	744732	7440531
	0.1	1	747503	7440080
	0.1	1	749571	7439697
	0.1	1	747953	7440315
	0.1	1	747947	7440619
0.1	1	745169	7440728	
0.1	1	748370	7440438	
0.1	1	747952	7440734	
0.1	1	747493	7440618	
0.1	1	749576	7439625	
0.1	1	747950	7440340	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747491	7439928
	0.1	1	746770	7440912
	0.1	1	746347	7440845
	0.1	1	745158	7441045
	0.1	1	744765	7440596
	0.1	1	746782	7440856
	0.1	1	744785	7440621
	0.1	1	746327	7440441
	0.1	1	748300	7440286
	0.1	1	746778	7440871
	0.1	1	748379	7440019
	0.1	1	749569	7439795
	0.1	1	744767	7440572
	0.1	2	744694	7440445
	0.1	1	748371	7440367
	0.1	1	746747	7440706
	0.1	1	747522	7440139
	0.1	1	744735	7440500
	0.1	1	747934	7440462
	0.1	2	747926	7440295
	0.1	1	746728	7440736
	0.1	1	747573	7440664
	0.1	1	745141	7440682
	0.1	1	746733	7440871
	0.1	1	745170	7440293
	0.1	1	747909	7440161
	0.1	1	744761	7440403
	0.1	1	744767	7440451
	0.1	1	745176	7440433
	0.1	1	744797	7440497
	0.1	1	745166	7440845
	0.1	1	747923	7440293
	0.1	2	748297	7440284
	0.1	1	747583	7440091
	0.1	1	744729	7440638
0.1	1	748385	7440410	
0.1	1	746746	7440860	
0.1	1	747918	7440594	
0.1	1	744767	7440607	
0.1	1	747550	7440222	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746326	7440196
	0.1	1	744748	7440625
	0.1	1	747935	7440376
	0.1	1	747503	7440710
	0.1	1	747983	7439882
	0.1	1	744733	7440497
	0.1	1	748307	7440262
	0.1	1	744783	7440623
	0.1	1	747930	7440112
	0.1	1	746727	7440740
	0.1	1	744747	7440429
	0.1	1	747900	7440793
	0.1	1	746769	7440832
	0.1	1	745167	7440438
	0.1	1	747919	7440433
	0.1	1	749578	7439596
	0.1	1	747898	7440821
	0.1	1	747932	7440164
	0.1	1	747929	7440151
	0.1	1	747970	7440786
	0.1	1	749134	7439578
	0.1	1	744744	7440428
	0.1	1	747929	7440253
	0.1	2	744699	7440416
	0.1	2	744722	7440439
	0.1	1	746729	7440840
	0.1	1	749157	7439515
	0.1	1	746360	7440290
	0.1	1	748308	7440262
	0.1	1	749121	7440555
	0.1	1	747906	7440812
	0.1	1	749569	7439795
	0.1	3	745177	7440297
	0.1	1	745145	7440667
0.1	1	747578	7440088	
0.1	1	749136	7440434	
0.1	1	744702	7440437	
0.1	1	745137	7440629	
0.1	1	747964	7440782	
0.1	1	746339	7440484	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746382	7440487
	0.1	1	746738	7440755
	0.1	1	747983	7440115
	0.1	1	747157	7440479
	0.1	1	749572	7439697
	0.1	1	747547	7440342
	0.1	1	745177	7440212
	0.1	1	745186	7440767
	0.1	2	747935	7440643
	0.1	1	746335	7440249
	0.1	2	744770	7440586
	0.1	1	745178	7440672
	0.1	1	749566	7439824
	0.1	1	747550	7440469
	0.1	1	749431	7440225
	0.1	1	746729	7440043
	0.1	1	748308	7440317
	0.1	1	746391	7440592
	0.1	1	748371	7440559
	0.1	1	745114	7440589
	0.1	2	744790	7440576
	0.1	2	744700	7440509
	0.1	1	745175	7440972
	0.1	1	746305	7440068
	0.1	1	747519	7440509
	0.1	1	747511	7440710
	0.1	1	745181	7440817
	0.1	1	747570	7440518
	0.1	1	745142	7440965
	0.1	1	748369	7440441
	0.1	1	747930	7440082
	0.1	1	749416	7440139
	0.1	1	744742	7440441
	0.1	1	748385	7440252
0.1	1	748367	7440445	
0.1	2	744705	7440434	
0.1	1	749140	7439456	
0.1	1	744718	7440525	
0.1	1	747952	7440613	
0.1	1	748372	7440437	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746698	7440718
	0.1	1	745113	7440933
	0.1	1	749575	7439631
	0.1	1	747538	7440041
	0.1	1	745124	7440658
	0.1	1	746319	7439854
	0.1	1	748370	7440441
	0.1	1	744738	7440639
	0.1	1	747904	7440166
	0.1	1	746388	7440594
	0.1	2	744694	7440508
	0.1	1	747935	7440466
	0.1	1	747133	7440477
	0.1	1	746334	7440011
	0.1	1	745109	7440884
	0.1	1	747520	7440508
	0.1	1	745151	7440647
	0.1	1	746361	7440292
	0.1	1	747932	7440084
	0.1	2	745139	7440966
	0.1	1	747944	7440532
	0.1	1	745149	7441013
	0.1	1	747950	7440152
	0.1	1	747930	7440129
	0.1	1	747175	7439625
	0.1	1	747933	7440460
	0.1	1	747523	7440509
	0.1	1	745177	7440425
	0.1	1	749144	7440520
	0.1	1	744724	7440654
	0.1	1	745100	7440601
	0.1	1	747553	7440485
	0.1	1	747956	7440463
	0.1	1	746369	7440553
0.1	1	746735	7440754	
0.1	1	746383	7440601	
0.1	1	747952	7440455	
0.1	1	747585	7440484	
0.1	1	744728	7440638	
0.1	1	747572	7440650	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745173	7440891
	0.1	1	746759	7440894
	0.1	1	747894	7440210
	0.1	1	747949	7440150
	0.1	1	744711	7440523
	0.1	1	747142	7440476
	0.1	1	747952	7440621
	0.1	1	744788	7440475
	0.1	4	745178	7440330
	0.1	1	747934	7440252
	0.1	1	747527	7440748
	0.1	1	747556	7440460
	0.1	1	747912	7440148
	0.1	1	746704	7440593
	0.1	1	746382	7440643
	0.1	1	745173	7440673
	0.1	1	744721	7440525
	0.1	1	745103	7440686
	0.1	1	747544	7440505
	0.1	1	746735	7440688
	0.1	1	747516	7440502
	0.1	1	748379	7440532
	0.1	1	745146	7441017
	0.1	1	745112	7440959
	0.1	1	749664	7438977
	0.1	1	748380	7440302
	0.1	1	747921	7440631
	0.1	1	746307	7440273
	0.1	1	746302	7440417
	0.1	1	746360	7440308
	0.1	1	746362	7440289
	0.1	2	744724	7440440
	0.1	1	746334	7440481
0.1	1	748310	7440260	
0.1	1	747502	7440633	
0.1	1	747952	7440491	
0.1	1	744766	7440472	
0.1	1	746368	7440550	
0.1	1	746359	7440738	
0.1	2	747928	7440085	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	746381	7440650
	0.1	1	744746	7440683
	0.1	1	748375	7440439
	0.1	1	747926	7440384
	0.1	1	747924	7440745
	0.1	1	749398	7440024
	0.1	1	746315	7440401
	0.1	1	746754	7440881
	0.1	1	747920	7440783
	0.1	1	747903	7440198
	0.1	1	745119	7440700
	0.1	1	744708	7440496
	0.1	1	745170	7440677
	0.1	1	745111	7440763
	0.1	1	744765	7440573
	0.1	1	744749	7440422
	0.1	1	744715	7440522
	0.1	1	747951	7440545
	0.1	1	746717	7440753
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744784	7440629
	0.1	1	745151	7440620
	0.1	1	744740	7440691
	0.1	1	746753	7440733
	0.1	1	744783	7440565
	0.1	2	747923	7440717
	0.1	1	747951	7440604
	0.1	1	745108	7440989
	0.1	1	745172	7440940
	0.1	1	747174	7439557
	0.1	1	748300	7440564
	0.1	1	749563	7440350
	0.1	1	745163	7440852
	0.1	1	747936	7440583
	0.1	1	746297	7440284
	0.1	1	747902	7440187
	0.1	1	749140	7439594
	0.1	1	747925	7440745
	0.1	1	747944	7440118
	0.1	1	747900	7440202
	0.1	1	747909	7440148

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744710	7440491
	0.1	1	745110	7440937
	0.1	1	746380	7440440
	0.1	1	747155	7439586
	0.1	1	747518	7440582
	0.1	1	749392	7439997
	0.1	1	745128	7440598
	0.1	1	747177	7439797
	0.1	1	749523	7439997
	0.1	1	745181	7440420
	0.1	1	747499	7440601
	0.1	1	744724	7440411
	0.1	3	747557	7440210
	0.1	1	744790	7440588
	0.1	1	746326	7440277
	0.1	1	746332	7440208
	0.1	1	745091	7440944
	0.1	1	746295	7440301
	0.1	1	749574	7439632
	0.1	1	747528	7440481
	0.1	1	747527	7440659
	0.1	2	745121	7440822
	0.1	1	747902	7440810
	0.1	1	746746	7440741
	0.1	1	744725	7440474
	0.1	2	744692	7440411
	0.1	1	746304	7440244
	0.1	1	744738	7440628
	0.1	1	747541	7440026
	0.1	1	747493	7440619
	0.1	1	746309	7440316
	0.1	1	748310	7440499
	0.1	1	747500	7440549
	0.1	1	749589	7440213
	0.1	1	749564	7439624
	0.1	1	747549	7440586
0.1	1	747514	7440457	
0.1	1	746316	7440811	
0.1	1	744731	7440574	
0.1	1	747149	7439656	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744784	7440612
	0.1	1	747118	7440478
	0.1	1	745111	7440768
	0.1	2	749146	7440427
	0.1	1	747154	7439936
	0.1	1	748379	7440305
	0.1	1	747507	7439853
	0.1	2	746334	7440251
	0.1	1	744700	7440488
	0.1	1	745174	7440350
	0.1	1	744759	7440624
	0.1	2	744722	7440599
	0.1	1	746328	7440271
	0.1	1	747915	7440720
	0.1	2	745104	7440735
	0.1	1	745182	7440176
	0.1	1	747925	7440086
	0.1	1	747147	7439629
	0.1	1	746775	7440808
	0.1	1	748293	7440275
	0.1	1	745172	7440394
	0.1	1	746385	7440439
	0.1	1	745149	7441018
	0.1	1	745121	7440823
	0.1	1	747563	7440676
	0.1	1	747566	7439551
	0.1	1	745170	7440765
	0.1	1	745179	7440478
	0.1	1	747148	7440476
	0.1	1	749558	7439283
	0.1	1	747920	7440652
	0.1	2	744758	7440531
	0.1	1	745131	7440782
	0.1	1	749568	7440103
0.1	1	744772	7440530	
0.1	1	745109	7440932	
0.1	1	745152	7440579	
0.1	1	746358	7440669	
0.1	2	744728	7440615	
0.1	1	744797	7440476	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	747153	7439645
	0.1	1	749144	7439509
	0.1	1	748292	7440122
	0.1	1	747526	7440457
	0.1	1	747945	7440521
	0.1	1	744745	7440650
	0.1	1	744700	7440483
	0.1	1	745100	7440841
	0.1	1	745150	7440833
	0.1	1	744727	7440705
	0.1	1	746731	7440044
	0.1	1	747925	7440717
	0.1	1	749148	7439816
	0.1	5	744723	7440442
	0.1	1	747148	7439633
	0.1	1	744718	7440514
	0.1	1	745095	7440942
	0.1	1	744799	7440477
	0.1	1	746339	7440249
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745178	7440411
	0.1	1	745104	7440662
	0.1	1	747921	7440090
	0.1	2	744796	7440470
	0.1	1	745177	7440180
	0.1	1	744748	7440423
	0.1	2	746379	7440487
	0.1	1	745129	7440817
	0.1	1	747172	7439712
	0.1	1	748309	7440192
	0.1	1	747528	7440454
	0.1	1	745106	7440935
	0.1	1	745103	7440411
	0.1	1	749440	7440267
	0.1	1	745166	7440664
	0.1	1	748362	7440244
	0.1	1	748336	7440442
	0.1	1	747527	7439844
	0.1	1	747954	7440787
	0.1	1	745155	7440447
	0.1	1	749555	7439363

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745101	7440412
	0.1	2	745178	7440478
	0.1	1	749574	7439640
	0.1	1	749586	7440050
	0.1	1	748364	7440245
	0.1	1	746367	7440829
	0.1	3	748337	7440440
	0.1	1	746359	7440671
	0.1	1	745095	7440412
	0.1	1	747149	7440732
	0.1	1	745142	7440972
	0.1	1	747520	7440508
	0.1	1	747908	7440745
	0.1	1	749489	7439665
	0.1	1	748353	7440528
	0.1	1	748338	7440441
	0.1	1	746325	7440830
	0.1	1	745141	7440437
	0.1	1	749563	7439370
	0.1	1	748382	7440576
	0.1	1	746391	7440592
	0.1	1	748351	7439668
	0.1	1	748337	7440436
	0.1	1	747107	7440563
	0.1	1	745093	7440334
	0.1	1	745182	7440319
	0.1	2	745175	7440674
	0.1	1	747155	7440730
	0.1	1	749493	7439682
	0.1	1	748373	7439735
	0.1	1	744720	7440586
	0.1	1	748325	7440594
	0.1	1	745560	7440105
0.1	1	749511	7439679	
0.1	1	748386	7439785	
0.1	1	746375	7440301	
0.1	1	745142	7440429	
0.1	1	748356	7440558	
0.1	1	749422	7440135	
0.1	2	745101	7440470	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748297	7439874
	0.1	1	745112	7440653
	0.1	1	745176	7440472
	0.1	1	749587	7440061
	0.1	1	747525	7440512
	0.1	1	749497	7439707
	0.1	1	748284	7439818
	0.1	1	748325	7440369
	0.1	2	745157	7440415
	0.1	1	745092	7440335
	0.1	2	745097	7440468
	0.1	1	745155	7440556
	0.1	1	747160	7440731
	0.1	1	749494	7439788
	0.1	1	747103	7440541
	0.1	1	745161	7440416
	0.1	1	745146	7441017
	0.1	1	747529	7440516
	0.1	1	746377	7440553
	0.1	1	749565	7439375
	0.1	1	747102	7440539
	0.1	1	747526	7440453
	0.1	1	747146	7440491
	0.1	1	745183	7440695
	0.1	1	745141	7440798
	0.1	1	747532	7440523
	0.1	1	747954	7440782
	0.1	1	747159	7440728
	0.1	1	748328	7440335
	0.1	1	747101	7440541
	0.1	1	748322	7440596
	0.1	1	745152	7440422
	0.1	1	745490	7440296
	0.1	1	746380	7440543
0.1	1	749400	7439994	
0.1	1	747911	7440744	
0.1	1	746379	7440252	
0.1	1	748326	7440334	
0.1	1	747094	7440541	
0.1	1	748356	7440562	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745172	7440452
	0.1	1	745149	7440420
	0.1	1	748303	7440315
	0.1	1	749569	7439927
	0.1	1	745500	7440176
	0.1	1	747532	7440536
	0.1	1	745088	7440333
	0.1	2	744719	7440587
	0.1	1	746359	7440674
	0.1	1	748327	7440332
	0.1	1	747503	7440017
	0.1	1	745550	7440159
	0.1	1	745146	7440416
	0.1	1	747160	7440723
	0.1	1	746369	7440529
	0.1	1	749396	7439958
	0.1	1	747137	7440739
	0.1	1	748333	7439673
	0.1	1	748330	7440332
	0.1	1	747096	7440535
	0.1	1	745130	7440568
	0.1	1	745150	7440414
	0.1	2	745154	7441043
	0.1	1	749569	7439381
	0.1	1	749498	7439919
	0.1	1	747576	7440091
	0.1	1	746374	7440527
	0.1	1	749379	7439872
	0.1	1	745183	7440751
	0.1	1	745090	7440333
	0.1	1	749491	7439983
	0.1	1	748335	7439673
	0.1	1	747136	7440739
	0.1	1	745161	7440408
0.1	1	744783	7440675	
0.1	1	747519	7440584	
0.1	2	745187	7440322	
0.1	1	746390	7440498	
0.1	2	745151	7441047	
0.1	1	747980	7440247	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748354	7440599
	0.1	1	749567	7439385
	0.1	1	747125	7440340
	0.1	2	745146	7440402
	0.1	1	747518	7440588
	0.1	1	746383	7440489
	0.1	1	749090	7440464
	0.1	1	747144	7440713
	0.1	1	748335	7440314
	0.1	1	746375	7440691
	0.1	1	745146	7440395
	0.1	2	745496	7440135
	0.1	2	745150	7441044
	0.1	1	747516	7440590
	0.1	1	748379	7440395
	0.1	1	746386	7440212
	0.1	1	745091	7440613
	0.1	1	748349	7440614
	0.1	1	744724	7440584
	0.1	1	745166	7440768
	0.1	1	745127	7441047
	0.1	1	747533	7440445
	0.1	1	747968	7440306
	0.1	1	749432	7440268
	0.1	1	748338	7440313
	0.1	2	745094	7440331
	0.1	2	747517	7440591
	0.1	1	746356	7440669
	0.1	1	749108	7440446
	0.1	1	746771	7440713
	0.1	1	747982	7440437
	0.1	1	747144	7440711
	0.1	1	748325	7440309
0.1	1	747135	7440738	
0.1	1	745156	7440393	
0.1	1	748295	7440594	
0.1	1	745510	7440088	
0.1	1	747969	7440474	
0.1	1	749544	7440324	
0.1	1	748326	7440301	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747134	7440084
	0.1	1	749525	7439790
	0.1	1	746373	7440170
	0.1	1	745169	7440805
	0.1	1	747506	7440038
	0.1	1	745124	7440983
	0.1	2	745174	7440447
	0.1	1	749566	7439926
	0.1	1	747150	7440715
	0.1	1	749093	7440387
	0.1	1	749550	7440227
	0.1	1	748324	7440301
	0.1	1	747127	7440018
	0.1	1	746381	7440485
	0.1	1	745152	7440380
	0.1	1	748378	7440573
	0.1	1	745133	7440967
	0.1	1	749571	7439396
	0.1	1	749116	7440325
	0.1	1	749548	7440073
	0.1	1	748323	7440299
	0.1	1	744716	7440584
	0.1	1	745149	7440380
	0.1	1	747518	7440593
	0.1	1	745551	7440159
	0.1	1	746369	7440927
	0.1	1	749527	7439690
	0.1	1	745173	7440810
	0.1	1	747160	7440706
	0.1	1	745115	7440960
	0.1	1	748313	7440713
	0.1	1	749100	7439646
	0.1	1	749581	7439602
0.1	1	748323	7440302	
0.1	1	749570	7439399	
0.1	1	745162	7440349	
0.1	1	745178	7440446	
0.1	1	745542	7440395	
0.1	1	745177	7440361	
0.1	1	749551	7440054	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748295	7440532
	0.1	1	747136	7440697
	0.1	1	745165	7440349
	0.1	1	745181	7440812
	0.1	1	748312	7440711
	0.1	1	745578	7440422
	0.1	1	746381	7440165
	0.1	1	748349	7440718
	0.1	1	744725	7440540
	0.1	1	747966	7440532
	0.1	1	749575	7439628
	0.1	1	748332	7440263
	0.1	1	749571	7439892
	0.1	1	745155	7440332
	0.1	2	745566	7440442
	0.1	1	746384	7440443
	0.1	2	748304	7440248
	0.1	1	745182	7440412
	0.1	1	747120	7439654
	0.1	1	748371	7440438
	0.1	1	745144	7440340
	0.1	1	745110	7440945
	0.1	1	745103	7440317
	0.1	1	746357	7440666
	0.1	1	747973	7440542
	0.1	1	748335	7440259
	0.1	1	747161	7440705
	0.1	1	746385	7440441
	0.1	1	745176	7440145
	0.1	1	749166	7439469
	0.1	1	747984	7440560
	0.1	1	748336	7440259
	0.1	1	747120	7439652
	0.1	1	748310	7440319
0.1	1	745156	7440773	
0.1	1	745159	7440305	
0.1	1	747509	7440040	
0.1	1	744728	7440528	
0.1	1	749172	7439471	
0.1	1	749572	7439888	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747983	7440589
	0.1	1	748335	7440243
	0.1	1	747151	7440702
	0.1	1	747500	7440711
	0.1	1	747159	7440482
	0.1	1	748325	7440226
	0.1	1	747130	7439568
	0.1	1	747953	7440778
	0.1	1	746385	7440440
	0.1	1	745110	7440935
	0.1	1	749554	7439875
	0.1	1	748322	7440223
	0.1	1	748376	7439923
	0.1	1	749530	7439808
	0.1	1	749578	7439440
	0.1	1	746373	7440776
	0.1	1	747121	7440476
	0.1	1	748305	7440246
	0.1	1	745158	7440771
	0.1	1	745181	7440887
	0.1	1	747987	7440606
	0.1	1	749555	7439875
	0.1	1	745098	7440285
	0.1	1	745107	7440933
	0.1	1	747501	7440690
	0.1	2	747984	7440608
	0.1	1	746358	7440571
	0.1	3	749551	7439840
	0.1	1	748320	7440209
	0.1	1	747909	7440751
	0.1	1	745168	7440178
	0.1	1	748312	7440707
	0.1	1	746388	7440439
	0.1	1	747503	7439723
	0.1	1	748306	7440595
	0.1	1	745180	7440458
0.1	1	748300	7440281	
0.1	1	748327	7440207	
0.1	1	748371	7439924	
0.1	1	746377	7440813	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745147	7440169
	0.1	1	748312	7440319
	0.1	1	747148	7440706
	0.1	1	749158	7439516
	0.1	1	747585	7440101
	0.1	1	745550	7440163
	0.1	1	746385	7440160
	0.1	1	745111	7440919
	0.1	1	749164	7439523
	0.1	1	749574	7439458
	0.1	4	745100	7440698
	0.1	1	747912	7440256
	0.1	2	745114	7440218
	0.1	1	745167	7440284
	0.1	1	745101	7440282
	0.1	3	748305	7440254
	0.1	1	747500	7440632
	0.1	1	747145	7440707
	0.1	1	747519	7440347
	0.1	1	748308	7440691
	0.1	1	749567	7439483
	0.1	1	749555	7439725
	0.1	1	744774	7440672
	0.1	1	747914	7440256
	0.1	1	746300	7440513
	0.1	1	747175	7440311
	0.1	1	747176	7439795
	0.1	1	746349	7440438
	0.1	1	748374	7440380
	0.1	1	745145	7440762
	0.1	1	747965	7440609
	0.1	1	749587	7439715
	0.1	1	746359	7440295
	0.1	3	745127	7440279
0.1	1	747500	7440622	
0.1	1	745107	7440277	
0.1	1	747962	7440610	
0.1	1	748368	7440561	
0.1	1	749574	7439488	
0.1	1	746376	7440823	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745092	7440615
	0.1	1	745149	7440746
	0.1	1	747961	7440611
	0.1	1	747915	7440263
	0.1	1	747958	7440792
	0.1	1	745189	7440458
	0.1	1	745123	7440283
	0.1	1	745102	7440277
	0.1	1	747140	7440701
	0.1	1	749556	7439681
	0.1	1	747908	7440263
	0.1	1	746298	7440548
	0.1	1	747122	7440684
	0.1	1	747958	7440781
	0.1	1	749565	7439609
	0.1	1	745111	7440880
	0.1	1	749187	7440003
	0.1	1	749522	7439860
	0.1	1	747970	7440616
	0.1	1	746377	7439876
	0.1	1	749556	7439679
	0.1	1	748370	7440366
	0.1	1	747901	7440290
	0.1	1	746292	7440554
	0.1	1	748305	7440321
	0.1	1	747145	7440083
	0.1	1	747967	7440620
	0.1	1	746377	7440830
	0.1	1	747903	7440755
	0.1	1	745126	7440302
	0.1	1	745166	7441006
	0.1	1	745129	7440864
	0.1	1	747119	7440679
0.1	1	747583	7440107	
0.1	1	747144	7439958	
0.1	1	748295	7440283	
0.1	3	749177	7440197	
0.1	1	747984	7440632	
0.1	2	745172	7440227	
0.1	1	746373	7439870	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749547	7439653
	0.1	1	749573	7439505
	0.1	1	747907	7440304
	0.1	1	746297	7440561
	0.1	1	745122	7440324
	0.1	1	746317	7440816
	0.1	2	749177	7440200
	0.1	1	749558	7439605
	0.1	1	745120	7440321
	0.1	1	745122	7440863
	0.1	1	745151	7440741
	0.1	2	744714	7440589
	0.1	1	748369	7440440
	0.1	1	749553	7439578
	0.1	1	746355	7440511
	0.1	1	747910	7440300
	0.1	1	746306	7440573
	0.1	1	749580	7439853
	0.1	1	745119	7440855
	0.1	2	745106	7440249
	0.1	1	744708	7440668
	0.1	3	749182	7440198
	0.1	1	747913	7440299
	0.1	1	746308	7440683
	0.1	1	745127	7440345
	0.1	1	747513	7439822
	0.1	1	747121	7440678
	0.1	1	747498	7440603
	0.1	1	748293	7440657
	0.1	1	747126	7440395
	0.1	1	747160	7439708
	0.1	1	744793	7440673
	0.1	1	746354	7439941
	0.1	1	747986	7440648
0.1	1	744730	7440532	
0.1	2	745107	7440978	
0.1	1	749582	7439525	
0.1	1	747984	7440650	
0.1	1	749546	7439561	
0.1	1	747528	7440175	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745116	7440853
	0.1	1	745137	7440729
	0.1	1	747148	7439662
	0.1	1	749545	7439558
	0.1	1	747147	7440477
	0.1	1	747913	7440306
	0.1	1	746296	7440735
	0.1	1	745118	7440367
	0.1	1	747146	7440514
	0.1	1	747902	7440196
	0.1	1	746783	7440726
	0.1	1	745177	7440435
	0.1	1	747978	7440648
	0.1	1	749534	7439531
	0.1	1	746352	7440145
	0.1	1	747898	7440331
	0.1	1	748368	7440660
	0.1	3	745117	7440389
	0.1	1	749576	7439544
	0.1	1	749573	7439847
	0.1	1	745094	7440944
	0.1	2	745170	7440226
	0.1	1	746386	7440831
	0.1	1	749172	7440420
	0.1	1	747960	7440779
	0.1	1	747976	7440651
	0.1	1	749554	7439519
	0.1	2	747897	7440692
	0.1	1	746300	7440756
	0.1	1	747513	7439540
	0.1	1	748305	7440260
	0.1	1	747500	7440517
	0.1	1	747144	7440514
0.1	1	747968	7440647	
0.1	1	747910	7440352	
0.1	1	748306	7440652	
0.1	1	747503	7440512	
0.1	1	749164	7440434	
0.1	1	747147	7439637	
0.1	1	745128	7440402	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748302	7440585
	0.1	1	746355	7440172
	0.1	1	748368	7440659
	0.1	1	746338	7440858
	0.1	1	746292	7440758
	0.1	1	747126	7440475
	0.1	1	747899	7440763
	0.1	1	745128	7440401
	0.1	1	746358	7440178
	0.1	1	746347	7440493
	0.1	1	749183	7440511
	0.1	1	747962	7440661
	0.1	1	747116	7440413
	0.1	1	749565	7439846
	0.1	1	747903	7440364
	0.1	1	746295	7440761
	0.1	1	748372	7440061
	0.1	1	746390	7440834
	0.1	2	745108	7440935
	0.1	1	747511	7440469
	0.1	1	747532	7440044
	0.1	1	745104	7440234
	0.1	1	749545	7439459
	0.1	1	747144	7440507
	0.1	1	747131	7440631
	0.1	1	744717	7440591
	0.1	1	747573	7440228
	0.1	1	749548	7439439
	0.1	1	747895	7440419
	0.1	1	746298	7440785
	0.1	2	745175	7440216
	0.1	1	748370	7440658
	0.1	1	744787	7440654
	0.1	1	747517	7440465
0.1	1	746774	7440701	
0.1	1	745147	7440667	
0.1	1	747979	7440667	
0.1	1	749586	7439733	
0.1	1	747893	7440419	
0.1	1	749565	7439827	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745154	7440449
	0.1	1	747892	7440417
	0.1	1	746300	7440797
	0.1	1	745096	7440095
	0.1	1	745129	7440410
	0.1	1	749561	7439624
	0.1	1	749522	7439688
	0.1	1	747987	7440668
	0.1	4	747150	7440510
	0.1	2	745532	7440123
	0.1	1	747155	7439617
	0.1	1	745107	7440918
	0.1	1	749576	7439620
	0.1	1	745135	7440762
	0.1	1	747514	7440449
	0.1	1	746354	7440230
	0.1	1	748369	7440657
	0.1	1	746347	7440489
	0.1	1	749566	7439585
	0.1	1	745118	7440408
	0.1	1	748372	7440053
	0.1	1	746388	7440836
	0.1	1	744705	7440578
	0.1	1	745105	7440911
	0.1	1	747549	7440224
	0.1	4	749538	7439308
	0.1	1	746776	7440736
	0.1	1	747532	7440043
	0.1	1	745098	7439935
	0.1	1	745128	7440744
	0.1	1	745134	7440401
	0.1	1	747502	7440449
	0.1	1	748310	7440502
	0.1	4	749571	7439207
0.1	1	747123	7440432	
0.1	1	749536	7439355	
0.1	1	747911	7440424	
0.1	1	746290	7440905	
0.1	1	745132	7440432	
0.1	1	744705	7440591	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	749599	7439130
	0.1	4	747584	7440277
	0.1	1	749529	7439380
	0.1	1	746353	7440233
	0.1	1	746299	7440916
	0.1	1	748371	7440658
	0.1	1	749566	7439583
	0.1	2	744698	7440595
	0.1	1	745110	7440877
	0.1	2	744727	7440587
	0.1	2	745115	7440737
	0.1	1	747503	7440353
	0.1	1	747495	7439534
	0.1	1	748298	7440284
	0.1	1	749531	7439870
	0.1	1	745166	7440439
	0.1	1	745121	7440432
	0.1	1	745188	7440173
	0.1	1	747170	7439621
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745126	7440716
	0.1	1	747972	7440726
	0.1	1	749575	7439616
	0.1	1	747912	7440456
	0.1	1	746365	7440857
	0.1	1	748366	7440624
	0.1	1	745185	7440173
	0.1	1	749586	7439572
	0.1	1	747908	7440777
	0.1	1	747906	7440460
	0.1	4	744691	7440570
	0.1	1	746320	7440819
	0.1	1	745118	7440701
	0.1	1	748307	7440258
	0.1	1	746766	7440222
	0.1	1	747967	7440722
	0.1	1	749532	7439469
	0.1	1	747894	7440212
	0.1	1	745167	7439779
	0.1	6	745128	7440442
	0.1	1	747191	7439640

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747119	7440572
	0.1	1	746761	7440224
	0.1	1	747122	7440438
	0.1	1	747906	7440484
	0.1	1	746331	7440936
	0.1	1	748373	7440618
	0.1	1	749588	7439572
	0.1	2	745131	7440444
	0.1	1	744696	7440575
	0.1	1	747893	7440210
	0.1	1	747191	7439644
	0.1	1	747976	7440740
	0.1	1	744726	7440592
	0.1	1	744694	7440583
	0.1	1	745541	7440377
	0.1	1	745106	7440816
	0.1	1	749567	7439825
	0.1	1	747978	7440740
	0.1	1	745122	7440700
	0.1	1	746364	7440860
	0.1	1	747897	7440484
	0.1	1	747530	7440000
	0.1	1	744691	7440581
	0.1	1	747191	7439647
	0.1	1	747987	7440757
	0.1	1	746361	7440941
	0.1	1	748370	7440370
	0.1	1	746336	7440928
	0.1	1	745168	7439784
	0.1	1	745095	7440773
	0.1	1	744791	7440652
	0.1	1	746759	7440531
	0.1	1	747985	7440758
	0.1	1	749517	7439575
0.1	1	747518	7439553	
0.1	2	744701	7440588	
0.1	1	745123	7440679	
0.1	1	747117	7440564	
0.1	1	746754	7440530	
0.1	1	747984	7440762	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	749524	7439618
	0.1	1	748371	7440445
	0.1	1	747893	7440519
	0.1	1	746335	7440927
	0.1	1	746361	7440360
	0.1	1	746355	7440273
	0.1	1	747150	7440475
	0.1	1	746779	7440585
	0.1	1	747982	7440763
	0.1	1	745116	7440665
	0.1	1	747906	7440544
	0.1	1	747548	7440344
	0.1	1	745133	7440478
	0.1	1	747181	7439671
	0.1	1	749577	7439820
	0.1	1	746777	7440621
	0.1	1	748293	7440527
	0.1	1	749531	7439621
	0.1	1	747906	7440598
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746328	7440897
	0.1	1	746363	7440863
	0.1	2	744698	7440606
	0.1	1	747895	7440210
	0.1	1	747184	7439685
	0.1	1	745170	7439783
	0.1	1	746779	7440624
	0.1	1	747987	7440765
	0.1	1	749526	7439631
	0.1	1	747143	7440499
	0.1	1	745128	7440653
	0.1	1	747121	7440533
	0.1	1	748300	7440615
	0.1	1	747519	7439985
	0.1	1	747977	7440776
	0.1	1	749526	7439634
	0.1	1	745164	7440399
	0.1	1	745521	7440197
	0.1	1	748302	7440584
	0.1	1	747900	7440206
	0.1	1	744689	7440603

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748378	7440621
	0.1	1	747182	7439687
	0.1	1	749570	7439615
	0.1	1	749584	7439584
	0.1	1	745111	7440735
	0.1	1	747899	7440644
	0.1	1	749578	7439820
	0.1	1	748373	7440509
	0.1	1	746368	7440868
	0.1	1	744706	7440617
	0.1	1	747173	7439710
	0.1	1	745110	7440720
	0.1	1	747517	7439963
	0.1	1	746788	7440635
	0.1	1	745168	7440400
	0.1	1	747898	7440666
	0.1	1	745521	7440155
	0.1	1	748387	7440570
	0.1	1	747900	7440199
	0.1	1	748294	7440528
	0.1	1	747137	7440476
	0.1	1	746775	7440654
	0.1	1	747991	7440787
	0.1	1	747898	7440726
	0.1	1	749527	7439660
	0.1	1	747899	7440680
	0.1	1	745148	7440563
	0.1	1	744691	7440632
	0.1	1	745093	7440722
	0.1	1	745181	7440411
	0.1	1	747972	7440786
	0.1	1	749534	7439881
	0.1	1	749531	7439664
0.1	1	747142	7440477	
0.1	1	744727	7440578	
0.1	3	745519	7440152	
0.1	1	749590	7439826	
0.1	1	745174	7439801	
0.1	1	746359	7440302	
0.1	1	747150	7440498	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746773	7440692
	0.1	1	747129	7440501
	0.1	1	747897	7440788
	0.1	1	748306	7440600
	0.1	1	748374	7440534
	0.1	1	747894	7440689
	0.1	1	747178	7439718
	0.1	2	745529	7440145
	0.1	1	746360	7440305
	0.1	1	746362	7440830
	0.1	1	746363	7440284
	0.1	1	748384	7440571
	0.1	1	747527	7440479
	0.1	1	748305	7439964
	0.1	1	745161	7440850
	0.1	1	749487	7439500
	0.1	1	748337	7440494
	0.1	1	745074	7440391
	0.1	1	748327	7440548
	0.1	1	749577	7439591
	0.1	1	747161	7440675
	0.1	2	747170	7440701
	0.1	1	746366	7440667
	0.1	1	749496	7439504
	0.1	1	748337	7440492
	0.1	1	749574	7439697
	0.1	1	747953	7440786
	0.1	1	748315	7440554
	0.1	1	745177	7440497
	0.1	1	745158	7440848
	0.1	1	748338	7440496
	0.1	1	747108	7440686
	0.1	1	749538	7439781
0.1	1	745083	7440391	
0.1	1	747183	7440718	
0.1	1	747146	7440737	
0.1	1	746365	7440664	
0.1	1	749584	7440319	
0.1	1	748357	7440473	
0.1	1	748339	7440493	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745088	7440588
	0.1	1	748339	7440499
	0.1	1	745088	7440388
	0.1	1	745175	7440544
	0.1	1	748378	7440429
	0.1	1	745156	7440849
	0.1	1	746364	7440828
	0.1	1	749488	7439517
	0.1	1	749506	7439443
	0.1	1	748358	7440444
	0.1	1	745182	7440475
	0.1	1	747103	7440673
	0.1	1	747185	7440532
	0.1	1	747551	7440020
	0.1	1	747513	7440495
	0.1	1	745098	7440350
	0.1	1	748370	7440364
	0.1	1	746382	7440652
	0.1	1	749492	7439524
	0.1	1	748360	7440445
	0.1	1	747162	7440737
	0.1	1	747141	7440737
	0.1	1	745191	7440557
	0.1	1	748314	7440563
	0.1	2	745517	7440108
	0.1	1	748343	7440443
	0.1	1	748331	7440436
	0.1	1	747098	7440662
	0.1	1	747175	7440470
	0.1	1	749570	7440103
	0.1	1	745106	7440381
	0.1	1	745156	7440912
	0.1	1	747516	7440502
	0.1	1	746363	7440668
0.1	1	749511	7440433	
0.1	1	747501	7439996	
0.1	1	748301	7440069	
0.1	1	745090	7440339	
0.1	1	748330	7440434	
0.1	1	747106	7440603	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747160	7440743
	0.1	1	744792	7440682
	0.1	1	745102	7440385
	0.1	1	745177	7440570
	0.1	1	745145	7440957
	0.1	1	747526	7440479
	0.1	1	748351	7440500
	0.1	1	748331	7440435
	0.1	1	747098	7440588
	0.1	1	745167	7440508
	0.1	1	745139	7440848
	0.1	1	749492	7440395
	0.1	1	748332	7440435
	0.1	3	747150	7440496
	0.1	1	745096	7440337
	0.1	1	745159	7440490
	0.1	1	745113	7440401
	0.1	1	745175	7440631
	0.1	1	747116	7440483
	0.1	1	745143	7440959
	0.1	1	749492	7439552
	0.1	1	747152	7440746
	0.1	1	748338	7440437
	0.1	1	748334	7440436
	0.1	1	747097	7440585
	0.1	1	745158	7440488
	0.1	1	747521	7440505
	0.1	1	747907	7440743
	0.1	1	748349	7440523
	0.1	2	745171	7440314
	0.1	1	749494	7439414
	0.1	1	748338	7440438
	0.1	1	747153	7440737
	0.1	1	749497	7439593
0.1	1	748334	7440438	
0.1	1	747138	7440735	
0.1	1	745154	7440486	
0.1	1	748291	7440593	
0.1	1	749495	7440396	
0.1	1	745177	7440633	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	749502	7439623
	0.1	3	744762	7440649
	0.1	2	747106	7440580
	0.1	1	745150	7440491
	0.1	1	749508	7439365
	0.1	1	745095	7440333
	0.1	1	748334	7440442
	0.1	2	747150	7440734
	0.1	1	744727	7440466
	0.1	1	748329	7440257
	0.1	1	748328	7440338
	0.1	1	748285	7439816
	0.1	1	749142	7439441
	0.1	1	749546	7439946
	0.1	1	747121	7439654
	0.1	1	745140	7440330
	0.1	1	749551	7439919
	0.1	1	747560	7440684
	0.1	1	747103	7440543
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749550	7439918
	0.1	1	747116	7439651
	0.1	1	745158	7440301
	0.1	1	749186	7439516
	0.1	1	747983	7440599
	0.1	1	749555	7439912
	0.1	1	745158	7440258
	0.1	4	745100	7440472
	0.1	1	749185	7439518
	0.1	1	747988	7440605
	0.1	1	747130	7439495
	0.1	1	745153	7440184
	0.1	2	745143	7440428
	0.1	1	749164	7439513
	0.1	1	748320	7440210
	0.1	1	747096	7439724
	0.1	2	745156	7440188
	0.1	1	747104	7440544
	0.1	1	748328	7440370
	0.1	1	749162	7439514
	0.1	1	747108	7439747

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749506	7439699
	0.1	1	749161	7439512
	0.1	1	747987	7440610
	0.1	1	749550	7439778
	0.1	1	748299	7440625
	0.1	1	747109	7440003
	0.1	1	747106	7440545
	0.1	1	747983	7440610
	0.1	1	749551	7439738
	0.1	1	747910	7440255
	0.1	1	747099	7440347
	0.1	1	745123	7439809
	0.1	1	748336	7440433
	0.1	1	747972	7440615
	0.1	1	749546	7439733
	0.1	1	746297	7440471
	0.1	1	746352	7440262
	0.1	1	749183	7439529
	0.1	1	747967	7440613
	0.1	1	745126	7440274
	0.1	1	745111	7440461
	0.1	3	745148	7440429
	0.1	1	747104	7440557
	0.1	2	748336	7440431
	0.1	1	749184	7439535
	0.1	1	749551	7439722
	0.1	2	747908	7440259
	0.1	1	746298	7440514
	0.1	1	749188	7439555
	0.1	1	749554	7439683
	0.1	1	747912	7440259
	0.1	1	746301	7440515
	0.1	1	745128	7440282
	0.1	2	744731	7440516
	0.1	1	745116	7440436
	0.1	1	749171	7439602
0.1	1	749554	7439681	
0.1	1	746296	7440545	
0.1	1	745146	7440440	
0.1	1	749183	7439598	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747960	7440613
	0.1	1	745121	7440279
	0.1	1	749494	7439676
	0.1	1	745138	7440272
	0.1	1	745116	7440430
	0.1	1	749176	7440198
	0.1	1	749549	7439668
	0.1	1	747906	7440301
	0.1	1	746293	7440555
	0.1	1	747097	7440568
	0.1	1	748355	7439973
	0.1	5	745143	7440446
	0.1	1	747991	7440647
	0.1	1	747906	7440306
	0.1	1	746299	7440563
	0.1	1	747911	7440161
	0.1	1	747103	7440571
	0.1	1	749498	7439657
	0.1	3	749180	7440202
	0.1	1	747991	7440651
	0.1	1	745125	7440323
	0.1	1	747991	7440655
	0.1	1	749547	7439573
	0.1	1	747927	7440086
	0.1	1	747106	7440575
	0.1	3	749181	7440196
	0.1	1	749551	7439572
	0.1	2	747912	7440299
	0.1	1	746294	7440724
	0.1	1	745124	7440346
	0.1	1	749512	7439654
	0.1	3	749156	7440304
	0.1	1	747913	7440302
	0.1	1	746296	7440735
0.1	1	745122	7440356	
0.1	1	749175	7440411	
0.1	1	747978	7440647	
0.1	1	747107	7440577	
0.1	1	749175	7440413	
0.1	1	746298	7440755	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748341	7440329
	0.1	1	747899	7440346
	0.1	1	745116	7440396
	0.1	1	749509	7439650
	0.1	1	745105	7440411
	0.1	1	749166	7440430
	0.1	1	749556	7439506
	0.1	1	744734	7440517
	0.1	1	746299	7440756
	0.1	1	745123	7440399
	0.1	1	747964	7440649
	0.1	1	749554	7439490
	0.1	1	747912	7440352
	0.1	1	746294	7440757
	0.1	1	744707	7440490
	0.1	1	748334	7440441
	0.1	1	749165	7440436
	0.1	1	747964	7440660
	0.1	1	749556	7439491
	0.1	1	747899	7440358
	0.1	1	747162	7440497
	0.1	1	748338	7440331
	0.1	1	749555	7439478
	0.1	2	745130	7440402
	0.1	1	745108	7440407
	0.1	1	749171	7440521
	0.1	1	747962	7440664
	0.1	1	747903	7440413
	0.1	1	746293	7440761
	0.1	1	745132	7440404
	0.1	2	747105	7440577
	0.1	1	749209	7440259
	0.1	1	747970	7440662
	0.1	1	747558	7440546
0.1	1	745131	7440405	
0.1	1	748360	7440347	
0.1	1	749369	7439795	
0.1	1	749560	7439429	
0.1	1	746298	7440791	
0.1	1	745131	7440408	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	4	749369	7439782
	0.1	1	747982	7440667
	0.1	1	749554	7439407
	0.1	1	745101	7440408
	0.1	1	745155	7440486
	0.1	4	749521	7439357
	0.1	1	749562	7439410
	0.1	1	747926	7440087
	0.1	1	747895	7440420
	0.1	1	746298	7440803
	0.1	1	745122	7440418
	0.1	2	747099	7440579
	0.1	1	748334	7440437
	0.1	4	749523	7439347
	0.1	1	747986	7440671
	0.1	1	749557	7439404
	0.1	1	747895	7440425
	0.1	1	746290	7440827
	0.1	1	749493	7439583
	0.1	1	747972	7440690
	0.1	1	749545	7439380
	0.1	1	747909	7440419
	0.1	1	746313	7440852
	0.1	1	744713	7440592
	0.1	1	745115	7440400
	0.1	1	747977	7440694
	0.1	1	744720	7440523
	0.1	1	747981	7440720
	0.1	1	747910	7440425
	0.1	1	745127	7440430
	0.1	1	749611	7439098
	0.1	1	747981	7440724
	0.1	1	749524	7439414
	0.1	1	747911	7440455
0.1	1	746328	7440946	
0.1	2	744690	7440593	
0.1	1	749646	7439001	
0.1	1	749522	7439417	
0.1	1	746331	7440941	
0.1	1	745123	7440439	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744693	7440569
	0.1	1	746710	7439690
	0.1	1	747969	7440725
	0.1	1	749521	7439453
	0.1	1	746332	7440942
	0.1	1	745127	7440441
	0.1	1	747099	7440588
	0.1	1	748338	7440438
	0.1	1	747905	7440459
	0.1	1	746331	7440937
	0.1	1	747559	7440547
	0.1	1	744695	7440570
	0.1	1	749500	7439542
	0.1	1	745113	7440380
	0.1	1	747960	7440732
	0.1	1	749514	7439476
	0.1	1	746773	7440233
	0.1	1	749524	7439498
	0.1	1	747897	7440483
	0.1	1	746331	7440934
	0.1	1	745127	7440453
	0.1	1	746775	7440507
	0.1	1	749532	7439527
	0.1	1	746334	7440927
	0.1	1	744734	7440530
	0.1	1	745127	7440452
	0.1	1	748339	7440439
	0.1	1	749508	7439533
	0.1	2	747927	7440086
	0.1	1	746758	7440532
	0.1	1	749529	7439536
	0.1	1	747904	7440495
	0.1	1	745125	7440461
0.1	1	744699	7440582	
0.1	1	747180	7440466	
0.1	1	747894	7440517	
0.1	1	746337	7440928	
0.1	1	745121	7440466	
0.1	1	745129	7440476	
0.1	1	744703	7440607	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748343	7440441
	0.1	1	749506	7439531
	0.1	1	749524	7439620
	0.1	1	746331	7440920
	0.1	2	744697	7440607
	0.1	1	747983	7440763
	0.1	1	745523	7440432
	0.1	1	747905	7440632
	0.1	1	746325	7440883
	0.1	1	745528	7440223
	0.1	1	744699	7440608
	0.1	1	749496	7439525
	0.1	1	745096	7440388
	0.1	1	747176	7440493
	0.1	1	746783	7440626
	0.1	1	748301	7440623
	0.1	1	747896	7440635
	0.1	1	746331	7440854
	0.1	1	747107	7440668
	0.1	1	748329	7440437
	0.1	1	746781	7440630
	0.1	1	747985	7440785
	0.1	1	749520	7439637
	0.1	1	746329	7440860
	0.1	1	745521	7440167
	0.1	1	747987	7440784
	0.1	1	749524	7439641
	0.1	1	746328	7440862
	0.1	1	744693	7440631
	0.1	1	745094	7440386
	0.1	1	746331	7440861
	0.1	2	745519	7440157
	0.1	1	748328	7440436
	0.1	1	746352	7440264
0.1	1	746774	7440655	
0.1	1	747893	7440686	
0.1	1	746333	7440861	
0.1	1	744705	7440651	
0.1	1	747976	7440794	
0.1	1	749531	7439668	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	746337	7440860
	0.1	2	744731	7440578
	0.1	1	744697	7440659
	0.1	1	747184	7440541
	0.1	1	747107	7440684
	0.1	1	746775	7440701
	0.1	1	747954	7440836
	0.1	1	749530	7439670
	0.1	1	747561	7440547
	0.1	1	744730	7440581
	0.1	1	745536	7440146
	0.1	1	744708	7440663
	0.1	1	749492	7439516
	0.1	1	746336	7440856
	0.1	1	746784	7440707
	0.1	1	747955	7440787
	0.1	1	747908	7440740
	0.1	1	746325	7440835
	0.1	2	745521	7440114
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744705	7440668
	0.1	1	747183	7440539
	0.1	1	746780	7440708
	0.1	1	749514	7439692
	0.1	1	746329	7440834
	0.1	1	744725	7440587
	0.1	1	744765	7440691
	0.1	1	748338	7440492
	0.1	1	748338	7440486
	0.1	1	746781	7440710
	0.1	1	747908	7440745
	0.1	1	746330	7440831
	0.1	1	744724	7440588
	0.1	1	745520	7440019
	0.1	1	749502	7439507
	0.1	1	746786	7440710
	0.1	1	747950	7440785
	0.1	1	749519	7439789
	0.1	1	744788	7440678
	0.1	1	745075	7440395
	0.1	1	746776	7440715

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749519	7439785
	0.1	1	746327	7440828
	0.1	1	744711	7440521
	0.1	1	747182	7440638
	0.1	1	747952	7440780
	0.1	1	747909	7440750
	0.1	1	746327	7440826
	0.1	1	744782	7440677
	0.1	1	747110	7440688
	0.1	1	748326	7440516
	0.1	1	746770	7440714
	0.1	1	746324	7440825
	0.1	1	744714	7440585
	0.1	1	746785	7440722
	0.1	1	746320	7440823
	0.1	1	744706	7440496
	0.1	1	745542	7440231
	0.1	1	749521	7439863
	0.1	1	746321	7440821
	0.1	1	745555	7440376
	0.1	1	745074	7440394
	0.1	1	747959	7440779
	0.1	1	747109	7440689
	0.1	1	746765	7440797
	0.1	1	747961	7440780
	0.1	1	744731	7440597
	0.1	1	745557	7440399
	0.1	1	749529	7439879
	0.1	1	746313	7440817
	0.1	1	745552	7440403
	0.1	1	744775	7440634
	0.1	1	747106	7440693
	0.1	1	746776	7440810
0.1	1	747962	7440782	
0.1	1	746313	7440816	
0.1	1	744734	7440599	
0.1	1	749501	7439465	
0.1	1	746774	7440810	
0.1	1	745558	7440471	
0.1	1	745081	7440385	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	747965	7440785
	0.1	1	747904	7440810
	0.1	1	746313	7440804
	0.1	1	748313	7440564
	0.1	1	747967	7440782
	0.1	1	746323	7440649
	0.1	2	747931	7440084
	0.1	1	747906	7440812
	0.1	1	746331	7440584
	0.1	1	744737	7440629
	0.1	1	744769	7440619
	0.1	1	749125	7440366
	0.1	1	747907	7440813
	0.1	1	746331	7440580
	0.1	1	746791	7440876
	0.1	1	749122	7440270
	0.1	1	744714	7440638
	0.1	1	748341	7440503
	0.1	1	749507	7439436
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746780	7440901
	0.1	1	747956	7440726
	0.1	1	749143	7440261
	0.1	1	747903	7440817
	0.1	1	746327	7440577
	0.1	1	744706	7440506
	0.1	1	744782	7440617
	0.1	1	746777	7440909
	0.1	1	747949	7440693
	0.1	1	746326	7440574
	0.1	1	747140	7440736
	0.1	1	747948	7440662
	0.1	1	746320	7440572
	0.1	1	744786	7440615
	0.1	1	748330	7440577
	0.1	1	747910	7440822
	0.1	1	744738	7440633
	0.1	4	747160	7440492
	0.1	1	749497	7439416
	0.1	2	749140	7439511
	0.1	3	746319	7440517

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	744738	7440636
	0.1	1	744801	7440608
	0.1	1	746693	7440844
	0.1	1	747945	7440649
	0.1	4	746317	7440516
	0.1	1	744712	7440653
	0.1	1	744803	7440608
	0.1	1	747139	7440734
	0.1	1	748328	7440581
	0.1	1	746715	7440759
	0.1	1	747947	7440643
	0.1	1	749143	7439473
	0.1	1	747924	7440794
	0.1	1	746328	7440489
	0.1	2	744712	7440651
	0.1	1	744798	7440603
	0.1	1	747955	7440628
	0.1	2	749146	7439472
	0.1	1	747918	7440788
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	744789	7440611
	0.1	1	745095	7440335
	0.1	1	747956	7440628
	0.1	1	747921	7440785
	0.1	1	746326	7440464
	0.1	1	744732	7440675
	0.1	1	744786	7440612
	0.1	1	746709	7440698
	0.1	1	749153	7439476
	0.1	1	746321	7440412
	0.1	1	744730	7440700
	0.1	1	748328	7440582
	0.1	1	749147	7439492
	0.1	1	747923	7440784
	0.1	2	746314	7440407
	0.1	2	744783	7440609
	0.1	1	744708	7440525
	0.1	1	746702	7440632
	0.1	1	747947	7440615
	0.1	1	748349	7440524
	0.1	1	746702	7440633

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	747948	7440615
	0.1	1	747933	7440756
	0.1	1	746313	7440403
	0.1	1	744768	7440612
	0.1	2	744704	7440508
	0.1	1	747137	7440735
	0.1	1	748336	7440596
	0.1	1	748348	7440525
	0.1	1	746704	7440632
	0.1	1	749147	7439508
	0.1	1	744742	7440684
	0.1	1	747953	7440614
	0.1	2	748303	7440620
	0.1	1	746327	7440320
	0.1	1	744769	7440607
	0.1	1	745095	7440334
	0.1	1	746718	7440527
	0.1	1	747954	7440607
	0.1	1	749164	7439512
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747923	7440743
	0.1	1	746329	7440315
	0.1	1	744753	7440665
	0.1	1	747137	7440735
	0.1	1	748333	7440591
	0.1	1	746377	7440306
	0.1	1	747924	7440743
	0.1	1	746329	7440309
	0.1	1	744737	7440658
	0.1	1	746688	7440508
	0.1	1	747922	7440721
	0.1	1	744737	7440661
	0.1	1	746368	7440282
	0.1	1	744797	7440599
	0.1	1	747137	7440738
	0.1	1	747939	7440585
	0.1	1	747917	7440718
	0.1	1	746333	7440276
	0.1	1	747551	7440471
	0.1	1	749563	7439373
	0.1	1	747942	7440583

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749150	7440255
	0.1	1	744742	7440654
	0.1	1	747137	7440737
	0.1	1	748326	7440596
	0.1	1	747945	7440578
	0.1	1	749143	7440266
	0.1	1	747915	7440722
	0.1	1	746329	7440266
	0.1	1	746380	7440295
	0.1	1	748355	7440559
	0.1	1	747966	7440571
	0.1	1	746324	7440263
	0.1	1	744746	7440650
	0.1	1	745089	7440334
	0.1	1	747967	7440565
	0.1	1	749146	7440365
	0.1	1	746332	7440261
	0.1	1	749147	7440428
	0.1	1	747921	7440682
	0.1	1	746330	7440258
	0.1	1	747137	7440738
	0.1	1	747921	7440679
	0.1	1	744717	7440529
	0.1	1	744805	7440580
	0.1	1	749567	7439374
	0.1	2	744754	7440630
	0.1	1	748323	7440636
	0.1	1	748375	7440620
	0.1	1	746375	7440252
	0.1	1	748352	7440572
	0.1	1	749148	7440434
	0.1	1	746337	7440247
	0.1	1	744743	7440628
	0.1	1	747153	7440719
0.1	1	749149	7440480	
0.1	1	749584	7439582	
0.1	1	747927	7440642	
0.1	1	746334	7440248	
0.1	1	744739	7440611	
0.1	1	744780	7440536	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748325	7440675
	0.1	1	746387	7440216
	0.1	1	744745	7440585
	0.1	1	744797	7440526
	0.1	1	746330	7440245
	0.1	1	744763	7440585
	0.1	1	744780	7440533
	0.1	1	745092	7440333
	0.1	1	747952	7440448
	0.1	1	749658	7438991
	0.1	1	747923	7440630
	0.1	1	747135	7440738
	0.1	1	748331	7440711
	0.1	1	747952	7440437
	0.1	1	749652	7439016
	0.1	1	746330	7440208
	0.1	2	744730	7440577
	0.1	1	749569	7439386
	0.1	1	747958	7440391
	0.1	1	749632	7439071
	0.1	1	747923	7440607
	0.1	1	746335	7440203
	0.1	1	744752	7440538
	0.1	1	747950	7440343
	0.1	1	747926	7440605
	0.1	1	746332	7440201
	0.1	1	744751	7440537
	0.1	1	744768	7440528
	0.1	1	748314	7440711
	0.1	1	749565	7439254
	0.1	2	744752	7440536
	0.1	1	744767	7440530
	0.1	1	748351	7440623
	0.1	1	749574	7439391
	0.1	1	749582	7439586
	0.1	1	747949	7440338
0.1	1	747926	7440583	
0.1	1	746322	7440193	
0.1	1	744765	7440531	
0.1	1	745094	7440330	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	747911	7440148
	0.1	1	747929	7440573
	0.1	1	746322	7440190
	0.1	1	744758	7440522
	0.1	2	744765	7440529
	0.1	1	749553	7439294
	0.1	1	746328	7440056
	0.1	1	744733	7440523
	0.1	1	744767	7440525
	0.1	1	747135	7440737
	0.1	1	748312	7440714
	0.1	1	746376	7440166
	0.1	1	748342	7440629
	0.1	1	747951	7440315
	0.1	1	749464	7439554
	0.1	1	747934	7440557
	0.1	1	744732	7440530
	0.1	1	744770	7440516
	0.1	1	747948	7440314
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	749449	7439594
	0.1	1	747936	7440556
	0.1	1	746333	7440007
	0.1	2	744735	7440511
	0.1	1	744773	7440512
	0.1	1	745096	7440326
	0.1	1	747956	7440224
	0.1	1	749376	7439807
	0.1	1	747932	7440540
	0.1	1	746327	7439938
	0.1	2	744785	7440504
	0.1	1	747129	7440717
	0.1	1	746382	7440166
	0.1	1	748358	7440688
	0.1	2	747931	7440541
	0.1	2	744792	7440497
	0.1	1	745101	7440327
	0.1	1	747929	7440543
	0.1	1	746304	7439898
	0.1	1	744751	7440479
	0.1	1	747945	7440156

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746731	7440044
	0.1	1	746301	7439933
	0.1	5	747164	7440705
	0.1	1	744741	7440476
	0.1	1	744766	7440488
	0.1	1	749569	7439399
	0.1	1	747949	7440148
	0.1	1	747928	7440489
	0.1	1	744763	7440488
	0.1	1	746759	7439761
	0.1	1	747927	7440487
	0.1	1	746292	7439968
	0.1	1	744735	7440456
	0.1	1	744791	7440483
	0.1	1	747131	7440697
	0.1	1	748312	7440709
	0.1	1	747949	7440141
	0.1	1	746744	7440523
	0.1	1	746382	7440165
	0.1	1	748350	7440719
	0.1	1	749582	7439411
	0.1	1	747957	7440133
	0.1	2	746745	7440533
	0.1	1	744750	7440435
	0.1	1	744800	7440485
	0.1	1	747955	7440128
	0.1	1	746757	7440530
	0.1	1	747929	7440460
	0.1	1	746292	7440051
	0.1	1	745100	7440307
	0.1	1	747949	7440122
	0.1	1	746761	7440533
	0.1	1	746298	7440055
0.1	1	747116	7440693	
0.1	1	748312	7440708	
0.1	1	747950	7440120	
0.1	1	746755	7440537	
0.1	1	744795	7440474	
0.1	1	746383	7440165	
0.1	1	748345	7440730	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747947	7440122
	0.1	1	746303	7440075
	0.1	1	744799	7440470
	0.1	1	747946	7440119
	0.1	1	746306	7440222
	0.1	2	744747	7440424
	0.1	1	744797	7440471
	0.1	1	747148	7440704
	0.1	1	747114	7440691
	0.1	1	746743	7440701
	0.1	1	747931	7440456
	0.1	4	744744	7440427
	0.1	1	746381	7440163
	0.1	1	748373	7440684
	0.1	1	746306	7440258
	0.1	3	744746	7440429
	0.1	3	749582	7439449
	0.1	1	744699	7440511
	0.1	1	747964	7440107
	0.1	1	747926	7440452
	0.1	4	746307	7440262
	0.1	3	745106	7440283
	0.1	1	746747	7440707
	0.1	1	746303	7440269
	0.1	1	744772	7440480
	0.1	1	747116	7440692
	0.1	1	748311	7440707
	0.1	1	744764	7440475
	0.1	1	748374	7440684
	0.1	1	747971	7440097
	0.1	1	746306	7440275
	0.1	1	744748	7440429
	0.1	1	744769	7440467
0.1	1	747972	7440094	
0.1	1	747554	7440441	
0.1	1	747928	7440359	
0.1	1	746301	7440280	
0.1	1	744756	7440415	
0.1	1	747122	7440694	
0.1	1	747968	7440067	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746745	7440789
	0.1	1	747920	7440360
	0.1	1	744756	7440408
	0.1	1	744763	7440435
	0.1	1	746383	7440158
	0.1	1	748378	7440683
	0.1	1	747969	7440068
	0.1	1	747926	7440340
	0.1	1	746303	7440284
	0.1	1	744752	7440401
	0.1	1	744764	7440420
	0.1	1	747138	7440702
	0.1	1	746740	7440854
	0.1	1	747912	7440147
	0.1	1	747933	7440315
	0.1	1	744772	7440417
	0.1	1	747121	7440687
	0.1	1	748306	7440688
	0.1	1	747982	7439881
	0.1	1	746738	7440856
	0.1	1	746304	7440288
	0.1	2	744713	7440371
	0.1	1	746375	7440067
	0.1	1	748381	7440680
	0.1	1	746303	7440294
	0.1	1	744720	7440373
	0.1	1	747979	7440027
	0.1	2	744711	7440372
	0.1	1	748303	7440685
	0.1	1	747982	7440074
	0.1	2	746749	7440866
	0.1	1	747921	7440290
	0.1	1	744708	7440385
0.1	1	748381	7440677	
0.1	1	749578	7439504	
0.1	1	747984	7440087	
0.1	1	747928	7440280	
0.1	1	744725	7440415	
0.1	1	744723	7440524	
0.1	1	747978	7440107	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	746761	7440887
	0.1	1	747929	7440267
	0.1	1	744712	7440424
	0.1	2	744697	7440388
	0.1	1	745107	7440269
	0.1	2	747929	7440264
	0.1	1	744728	7440427
	0.1	1	744696	7440397
	0.1	1	744702	7440528
	0.1	1	747985	7440117
	0.1	1	746751	7440899
	0.1	1	747930	7440262
	0.1	1	744696	7440409
	0.1	1	747145	7440633
	0.1	1	748304	7440669
	0.1	1	747544	7440425
	0.1	1	747979	7440115
	0.1	1	747929	7440257
	0.1	1	744725	7440435
	0.1	1	748369	7440662
	0.1	1	747973	7440116
	0.1	1	747928	7440254
	0.1	1	744689	7440410
	0.1	1	747148	7440514
	0.1	1	747573	7440338
	0.1	1	744719	7440436
	0.1	1	744687	7440408
	0.1	1	745545	7440410
	0.1	1	748367	7440661
	0.1	1	747573	7440430
	0.1	1	746741	7440928
	0.1	1	744690	7440413
	0.1	1	746740	7440934
0.1	1	745097	7440248	
0.1	1	746734	7440879	
0.1	1	747925	7440169	
0.1	1	747121	7440676	
0.1	1	748298	7440653	
0.1	1	744699	7440420	
0.1	1	747567	7440516	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	747553	7440440
	0.1	1	746735	7440864
	0.1	1	744735	7440454
	0.1	1	745097	7440248
	0.1	1	746725	7440852
	0.1	1	747932	7440162
	0.1	1	744698	7440420
	0.1	1	747125	7440673
	0.1	1	744717	7440482
	0.1	1	744701	7440429
	0.1	1	749589	7439554
	0.1	2	744721	7440527
	0.1	1	746735	7440808
	0.1	1	744719	7440483
	0.1	1	744689	7440435
	0.1	2	745099	7440236
	0.1	2	747142	7440512
	0.1	1	747581	7440549
	0.1	2	746725	7440808
	0.1	1	747932	7440142
	0.1	1	744695	7440442
	0.1	1	747572	7440616
	0.1	1	747931	7440140
	0.1	1	744703	7440432
	0.1	1	747131	7440632
	0.1	1	748314	7440635
	0.1	1	747579	7440630
	0.1	1	744695	7440536
	0.1	1	746745	7440789
	0.1	1	747935	7440129
	0.1	1	744708	7440433
	0.1	1	748369	7440659
	0.1	1	746357	7440277
	0.1	1	749581	7439558
	0.1	1	747570	7440655
0.1	1	747929	7440125	
0.1	1	744727	7440477	
0.1	1	747570	7440662	
0.1	1	747552	7440438	
0.1	1	744695	7440444	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748299	7440629
	0.1	1	746356	7440194
	0.1	1	747931	7440111
	0.1	1	749564	7439567
	0.1	2	744696	7440461
	0.1	1	747131	7440632
	0.1	1	744706	7440545
	0.1	1	746723	7440653
	0.1	1	747933	7440113
	0.1	1	744699	7440479
	0.1	1	748294	7440630
	0.1	1	744699	7440481
	0.1	1	747152	7440509
	0.1	1	747550	7440717
	0.1	1	747928	7440108
	0.1	1	744699	7440484
	0.1	1	747130	7440633
	0.1	1	748297	7440628
	0.1	1	747540	7440713
	0.1	1	747926	7440109
	0.1	1	744695	7440482
	0.1	1	747925	7440110
	0.1	1	744712	7440500
	0.1	1	745094	7439851
	0.1	1	747551	7440437
	0.1	1	747559	7440687
	0.1	1	745508	7440180
	0.1	1	749503	7439918
	0.1	1	748335	7439672
	0.1	1	748331	7440328
	0.1	1	747109	7440435
	0.1	1	745154	7440412
	0.1	2	745509	7440179
0.1	1	745502	7440178	
0.1	3	748335	7440330	
0.1	1	747125	7440343	
0.1	1	747157	7440506	
0.1	2	745502	7440168	
0.1	1	749495	7440103	
0.1	1	748337	7440328	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	745498	7440140
	0.1	1	747095	7440539
	0.1	1	747979	7440249
	0.1	1	749410	7440137
	0.1	1	747125	7440338
	0.1	1	748301	7439711
	0.1	1	749090	7440461
	0.1	1	747981	7440260
	0.1	1	749423	7440204
	0.1	1	748336	7440314
	0.1	1	747124	7440335
	0.1	1	745147	7440392
	0.1	1	745507	7440096
	0.1	1	749501	7439915
	0.1	1	749106	7440450
	0.1	1	747129	7440271
	0.1	1	745145	7440390
	0.1	1	745506	7440096
	0.1	1	749434	7440274
	0.1	1	747132	7440095
	0.1	1	748304	7439711
	0.1	1	749502	7439906
	0.1	1	749110	7440427
	0.1	1	745157	7440394
	0.1	1	745499	7440070
	0.1	1	747986	7440486
	0.1	1	745567	7440192
	0.1	1	747979	7440492
	0.1	1	747131	7440009
	0.1	1	745564	7440201
	0.1	1	748305	7439719
	0.1	1	749510	7439898
	0.1	1	749099	7439647
0.1	1	747977	7440526	
0.1	1	749551	7440056	
0.1	1	748327	7440301	
0.1	1	747120	7439764	
0.1	1	745150	7440377	
0.1	1	745566	7440200	
0.1	1	745491	7440295	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745155	7440421
	0.1	1	747981	7440525
	0.1	1	749553	7440054
	0.1	1	747122	7439757
	0.1	1	748328	7440336
	0.1	1	749099	7439596
	0.1	1	747969	7440528
	0.1	1	748321	7440304
	0.1	1	747119	7439652
	0.1	1	747122	7440609
	0.1	1	748285	7439816
	0.1	1	749511	7439897
	0.1	1	749103	7439594
	0.1	1	749558	7440019
	0.1	1	747118	7439652
	0.1	1	745094	7440470
	0.1	1	749114	7439477
	0.1	1	747967	7440537
	0.1	1	749542	7439972
	0.1	1	745936	7439809
	0.1	2	745897	7440066
	0.1	2	745572	7440863
	0.1	1	745567	7440854
	0.1	1	745920	7439796
	0.1	1	748732	7440144
	0.1	2	745896	7440081
	0.1	1	745569	7440585
	0.1	1	745893	7440083
	0.1	2	745911	7440170
	0.1	2	745909	7440172
	0.1	1	745911	7440749
	0.1	1	745501	7440827
	0.1	1	745887	7440217
0.1	2	745517	7440891	
0.1	1	745892	7440218	
0.1	1	745903	7440232	
0.1	1	745503	7440831	
0.1	1	750141	7439991	
0.1	1	745908	7440244	
0.1	1	745912	7440252	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748722	7439718
	0.1	1	748718	7439673
	0.1	3	745894	7440256
	0.1	1	749700	7440007
	0.1	1	745903	7440268
	0.1	1	750097	7440002
	0.1	1	745911	7440750
	0.1	3	745897	7440271
	0.1	1	748729	7439672
	0.1	1	748752	7439757
	0.1	1	725872	7434363
	0.1	1	745981	7440762
	0.1	1	745913	7440305
	0.1	1	725787	7434359
	0.1	1	745994	7440744
	0.1	1	745994	7440739
	0.1	1	745518	7440788
	0.1	1	745943	7440560
	0.1	1	745909	7440608
	0.1	1	748759	7439808
	0.1	1	745972	7440729
	0.1	1	745914	7440303
	0.1	1	745985	7440768
	0.1	2	745970	7440724
	0.1	1	745512	7440809
	0.1	1	745933	7439809
	0.1	1	748721	7439581
	0.1	1	745992	7440721
	0.1	1	745511	7440820
	0.1	1	745896	7440288
	0.1	2	745508	7440817
	0.1	1	748757	7439845
	0.1	1	745986	7440723
0.1	1	745915	7440304	
0.1	1	745505	7440819	
0.1	1	748764	7439748	
0.1	1	745503	7440826	
0.1	1	745512	7440826	
0.1	1	745511	7440830	
0.1	1	745981	7440694	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745981	7440797
	0.1	3	745982	7440686
	0.1	1	745514	7440838
	0.1	1	748749	7439942
	0.1	1	745977	7440690
	0.1	2	745898	7440362
	0.1	3	745909	7440270
	0.1	2	745967	7440685
	0.1	1	745523	7440861
	0.1	1	745970	7440810
	0.1	3	745901	7440615
	0.1	2	745971	7440677
	0.1	1	745974	7440620
	0.1	1	745496	7440851
	0.1	1	745976	7440579
	0.1	1	745519	7440894
	0.1	1	745968	7440539
	0.1	5	745915	7440262
	0.1	1	748753	7440288
	0.1	1	745966	7440536
	0.1	1	745980	7440818
	0.1	1	745975	7440532
	0.1	1	745525	7440920
	0.1	1	745515	7440954
	0.1	1	745498	7440644
	0.1	1	748749	7440505
	0.1	1	745509	7440966
	0.1	1	745982	7440372
	0.1	1	745972	7440826
	0.1	1	745981	7440347
	0.1	1	745508	7441004
	0.1	1	745979	7440212
	0.1	1	745911	7440750
	0.1	1	745509	7441004
0.1	1	745985	7440186	
0.1	1	745508	7440784	
0.1	2	745974	7440181	
0.1	2	745979	7440168	
0.1	2	745514	7441031	
0.1	6	745979	7440167	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	745906	7440828
	0.1	1	749455	7439998
	0.1	3	745978	7440167
	0.1	1	749704	7440016
	0.1	1	745543	7441018
	0.1	2	748753	7440515
	0.1	1	745498	7440890
	0.1	3	745983	7440162
	0.1	1	745988	7440159
	0.1	1	745551	7441019
	0.1	1	745930	7439896
	0.1	1	745927	7440191
	0.1	2	748754	7440517
	0.1	1	745555	7441007
	0.1	1	745542	7441001
	0.1	1	745533	7440972
	0.1	1	748752	7440519
	0.1	1	745986	7440120
	0.1	1	749894	7439987
	0.1	1	745549	7440960
	0.1	1	745925	7440192
	0.1	1	745975	7440046
	0.1	1	745909	7440819
	0.1	1	745503	7440919
	0.1	1	745544	7440944
	0.1	1	748748	7440525
	0.1	1	745975	7440037
	0.1	1	745504	7440919
	0.1	1	745501	7440889
	0.1	1	745496	7440946
	0.1	3	745496	7440958
	0.1	1	745557	7440915
	0.1	1	745555	7440908
	0.1	1	745895	7440686
	0.1	2	748739	7440527
	0.1	2	745985	7439992
0.1	1	745498	7440970	
0.1	1	745897	7440791	
0.1	2	745985	7439951	
0.1	1	745498	7440985	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	745552	7440907
	0.1	2	745988	7439946
	0.1	1	745490	7440981
	0.1	1	745899	7440598
	0.1	1	745552	7440909
	0.1	2	745491	7440985
	0.1	1	749941	7440015
	0.1	1	745898	7440791
	0.1	2	745539	7440923
	0.1	1	745500	7440906
	0.1	2	745986	7439915
	0.1	2	745981	7439887
	0.1	1	745490	7440992
	0.1	1	745491	7440995
	0.1	1	745535	7440907
	0.1	1	748757	7440540
	0.1	1	745493	7440991
	0.1	1	745552	7440896
	0.1	1	745979	7439837
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745554	7440894
	0.1	1	745503	7440804
	0.1	1	745981	7439835
	0.1	1	745507	7440991
	0.1	1	748761	7440544
	0.1	1	745981	7439834
	0.1	1	745511	7441005
	0.1	1	745968	7439818
	0.1	1	745512	7441005
	0.1	1	745975	7439815
	0.1	1	749763	7440012
	0.1	1	745497	7441008
	0.1	2	745539	7440878
	0.1	1	745496	7441007
	0.1	1	745903	7440762
	0.1	1	745539	7440874
	0.1	2	745978	7439784
	0.1	1	745502	7441014
	0.1	1	745504	7441030
	0.1	1	748740	7440585
	0.1	3	745990	7439755

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745540	7440876
	0.1	1	745589	7441030
	0.1	1	745901	7439835
	0.1	2	745898	7440588
	0.1	2	745930	7439976
	0.1	1	745904	7439841
	0.1	1	745907	7439840
	0.1	3	745920	7440535
	0.1	1	745903	7439850
	0.1	1	745573	7440989
	0.1	1	745541	7440863
	0.1	1	750262	7440023
	0.1	1	745905	7439853
	0.1	1	745566	7440975
	0.1	1	745911	7440733
	0.1	1	745898	7439853
	0.1	1	745574	7440956
	0.1	2	745544	7440857
	0.1	1	745933	7439826
	0.1	1	745572	7440950
	0.1	1	750377	7439945
	0.1	1	745573	7440950
	0.1	1	745576	7440950
	0.1	1	745895	7439899
	0.1	2	745573	7440943
	0.1	1	745895	7439899
	0.1	1	745497	7440816
	0.1	1	748740	7440465
	0.1	1	745899	7439903
	0.1	1	745584	7440917
	0.1	1	745904	7439916
	0.1	1	745581	7440913
	0.1	1	745899	7439918
0.1	1	745898	7439921	
0.1	1	749576	7440010	
0.1	1	745568	7440899	
0.1	1	745912	7440747	
0.1	1	745569	7440889	
0.1	1	745491	7440817	
0.1	1	745904	7439925	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745568	7440887
	0.1	1	745488	7440818
	0.1	1	745927	7439844
	0.1	2	750328	7439936
	0.1	1	745897	7439933
	0.1	1	745902	7439933
	0.1	2	749796	7440005
	0.1	1	749918	7440002
	0.1	3	745571	7440860
	0.1	1	749697	7440001
	0.1	1	750331	7439940
	0.1	1	745904	7439993
	0.1	1	745574	7440865
	0.1	1	745499	7440822
	0.1	1	745915	7439945
	0.1	1	745907	7440056
	0.1	1	745509	7440912
	0.1	1	748719	7440287
	0.1	2	745933	7440754
	0.1	1	745551	7440916
	0.1	1	748771	7439739
	0.1	1	748706	7440582
	0.1	2	745990	7439945
	0.1	1	748694	7440561
	0.1	1	745553	7440886
	0.1	1	748788	7439706
	0.1	1	745958	7440530
	0.1	1	748696	7440519
	0.1	2	745955	7439830
	0.1	1	745960	7440531
	0.1	1	748712	7440487
	0.1	1	745961	7439810
	0.1	1	745952	7440534
0.1	3	745515	7440838	
0.1	1	745540	7440879	
0.1	1	745949	7439800	
0.1	1	748693	7440432	
0.1	1	748780	7439677	
0.1	1	745946	7440568	
0.1	1	745959	7439782	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745949	7440565
	0.1	1	748699	7440397
	0.1	1	745981	7440731
	0.1	1	745980	7439787
	0.1	2	748769	7439657
	0.1	1	745945	7440575
	0.1	1	748691	7439939
	0.1	3	745980	7440167
	0.1	1	745555	7440908
	0.1	1	745910	7440538
	0.1	1	745941	7439752
	0.1	1	745539	7440876
	0.1	1	745982	7440687
	0.1	1	745915	7440671
	0.1	1	745945	7440589
	0.1	1	748701	7439715
	0.1	1	745907	7440542
	0.1	1	745943	7439752
	0.1	1	748703	7439712
	0.1	3	745899	7440565
	0.1	1	745944	7439749
	0.1	1	748694	7439688
	0.1	1	745526	7440906
	0.1	2	745918	7439791
	0.1	1	745493	7440969
	0.1	1	748710	7439699
	0.1	2	745986	7439994
	0.1	1	745515	7440833
	0.1	1	745921	7439799
	0.1	1	745975	7439782
	0.1	1	745940	7440631
	0.1	1	745538	7440874
	0.1	1	745907	7440604
	0.1	1	745926	7439801
	0.1	1	745556	7440914
	0.1	1	745496	7440960
0.1	1	745939	7440631	
0.1	2	748704	7439583	
0.1	1	745917	7440730	
0.1	1	745984	7439996	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745980	7440007
	0.1	1	745953	7440654
	0.1	1	745900	7440615
	0.1	1	745934	7439811
	0.1	1	745510	7441034
	0.1	1	745521	7440896
	0.1	3	749491	7440032
	0.1	1	745926	7439825
	0.1	1	745954	7440673
	0.1	1	745558	7440918
	0.1	1	745500	7440957
	0.1	1	745976	7440022
	0.1	1	745911	7440709
	0.1	1	745928	7439825
	0.1	1	745948	7440679
	0.1	2	745985	7439747
	0.1	1	745564	7441034
	0.1	1	745554	7440869
	0.1	1	745951	7440685
	0.1	1	745518	7441008
	0.1	2	749671	7440031
	0.1	1	745554	7440933
	0.1	1	745975	7440033
	0.1	1	745923	7439863
	0.1	1	745991	7440722
	0.1	2	745906	7439812
	0.1	2	745552	7440867
	0.1	2	745510	7440812
	0.1	1	745946	7440707
	0.1	1	745917	7439880
	0.1	1	745559	7440933
	0.1	1	745910	7440750
	0.1	1	745580	7441016
	0.1	1	745979	7440522
0.1	2	750127	7440034	
0.1	2	745554	7440867	
0.1	1	745909	7440750	
0.1	4	745941	7440731	
0.1	2	745921	7439957	
0.1	1	745900	7440762	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	750279	7440038
	0.1	1	745543	7441025
	0.1	1	745902	7440765
	0.1	1	745583	7441011
	0.1	1	745925	7440005
	0.1	1	750310	7439816
	0.1	1	745554	7440860
	0.1	1	745990	7440724
	0.1	1	745921	7440012
	0.1	1	745962	7440726
	0.1	2	750062	7439971
	0.1	1	745905	7440777
	0.1	1	745960	7440727
	0.1	1	745932	7440051
	0.1	1	745583	7441008
	0.1	1	745539	7440864
	0.1	2	745964	7440732
	0.1	1	745900	7440788
	0.1	1	745908	7440073
	0.1	8	745968	7440731
	0.1	1	745916	7440079
	0.1	3	745964	7440738
	0.1	2	745956	7440742
	0.1	1	745986	7440122
	0.1	1	745929	7440084
	0.1	1	749845	7439967
	0.1	1	745574	7440945
	0.1	1	745900	7440794
	0.1	1	745918	7440146
	0.1	1	745938	7440754
	0.1	1	745542	7440863
	0.1	1	745899	7439900
	0.1	1	749820	7439967
	0.1	1	745526	7440870
	0.1	1	745907	7440819
	0.1	1	745934	7440759
0.1	1	745990	7440134	
0.1	2	745932	7440195	
0.1	1	745934	7440803	
0.1	2	745972	7440835	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	745916	7440222
	0.1	3	745941	7440812
	0.1	1	745551	7441012
	0.1	3	745890	7439864
	0.1	1	745927	7440238
	0.1	1	745923	7440643
	0.1	1	745946	7440827
	0.1	1	749659	7439961
	0.1	1	745544	7440854
	0.1	1	745987	7440136
	0.1	1	745984	7440719
	0.1	1	745950	7440843
	0.1	1	745910	7440266
	0.1	1	745938	7440836
	0.1	1	745987	7440140
	0.1	1	745984	7440784
	0.1	1	745891	7439865
	0.1	1	745922	7440829
	0.1	1	745551	7440818
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745981	7440715
	0.1	1	745922	7440811
	0.1	1	726099	7434325
	0.1	1	745920	7440813
	0.1	1	745897	7439882
	0.1	1	745548	7440812
	0.1	1	745523	7441014
	0.1	1	745986	7440765
	0.1	1	745913	7440305
	0.1	1	745915	7440816
	0.1	1	745557	7441009
	0.1	1	745990	7440156
	0.1	1	745520	7441047
	0.1	1	745541	7440862
	0.1	1	745915	7440301
	0.1	1	745517	7440838
	0.1	1	745921	7440347
	0.1	2	745984	7440740
	0.1	1	745980	7440702
	0.1	1	745931	7440354
	0.1	2	745916	7440789

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745918	7440787
	0.1	1	745572	7440945
	0.1	1	745540	7440862
	0.1	2	745967	7440739
	0.1	1	745932	7440356
	0.1	1	745968	7440734
	0.1	2	745530	7440965
	0.1	1	745546	7441018
	0.1	1	745503	7440809
	0.1	2	745972	7439883
	0.1	1	745950	7440106
	0.1	1	748766	7440244
	0.1	1	745971	7440393
	0.1	1	745931	7440710
	0.1	1	745954	7440110
	0.1	1	748768	7440590
	0.1	2	745979	7439836
	0.1	1	745534	7440897
	0.1	1	748781	7440094
	0.1	1	748781	7440054
	0.1	3	745958	7440052
	0.1	1	748770	7440628
	0.1	1	745950	7440006
	0.1	1	745543	7440916
	0.1	1	745490	7440992
	0.1	5	745511	7440807
	0.1	1	745954	7440211
	0.1	1	745501	7440993
	0.1	1	745958	7440218
	0.1	1	748778	7439875
	0.1	3	745490	7440990
	0.1	2	745978	7439941
	0.1	1	745948	7440253
0.1	1	748689	7440592	
0.1	1	745564	7440885	
0.1	1	748766	7439751	
0.1	1	745948	7440353	
0.1	1	748703	7440585	
0.1	1	745901	7440009	
0.1	1	750367	7439747	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748701	7440621
	0.1	1	745494	7440817
	0.1	1	745947	7440696
	0.1	1	745957	7440738
	0.1	1	745952	7440109
	0.1	1	749765	7439959
	0.1	1	745562	7440883
	0.1	1	745508	7440786
	0.1	1	748768	7440591
	0.1	1	745500	7440786
	0.1	2	745494	7440787
	0.1	1	750362	7439666
	0.1	1	745949	7440160
	0.1	1	745959	7439864
	0.1	3	745497	7440799
	0.1	1	748768	7440582
	0.1	1	745961	7440735
	0.1	1	745892	7440204
	0.1	3	745914	7440787
	0.1	1	745919	7440734
	0.1	1	745944	7440749
	0.1	1	748721	7440513
	0.1	1	749527	7440000
	0.1	1	745942	7440201
	0.1	1	745499	7440804
	0.1	1	748768	7440588
	0.1	1	745912	7439920
	0.1	2	748723	7439730
	0.1	1	745495	7440809
	0.1	1	748762	7439772
	0.1	1	745946	7440205
	0.1	1	745957	7439844
	0.1	2	745934	7440603
	0.1	1	745500	7440815
0.1	1	748737	7439543	
0.1	1	749855	7439974	
0.1	2	749492	7440029	
0.1	2	748786	7439704	
0.1	1	749696	7439966	
0.1	1	748693	7440599	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749859	7439978
	0.1	1	748740	7440529
	0.1	1	745942	7440605
	0.1	1	748702	7439711
	0.1	1	745926	7440800
	0.1	1	745953	7440231
	0.1	1	745493	7440820
	0.1	1	748695	7440594
	0.1	1	748779	7439706
	0.1	1	745926	7440794
	0.1	1	745563	7440885
	0.1	1	748769	7439880
	0.1	2	745895	7440082
	0.1	1	749861	7439974
	0.1	1	749562	7440021
	0.1	1	745946	7440609
	0.1	1	745496	7440838
	0.1	1	745580	7440623
	0.1	2	745941	7440730
	0.1	1	745926	7440622
	0.1	1	748780	7439695
	0.1	1	749475	7439971
	0.1	4	745948	7440360
	0.1	1	745921	7440802
	0.1	1	745489	7440879
	0.1	1	750255	7440016
	0.1	2	748758	7439992
	0.1	1	745895	7440077
	0.1	1	745948	7440504
	0.1	1	745963	7439801
	0.1	1	745947	7440613
	0.1	1	749995	7439951
	0.1	1	750391	7439989
	0.1	1	745939	7440600
0.1	1	750193	7440031	
0.1	1	749526	7439992	
0.1	1	745502	7440907	
0.1	1	748743	7440534	
0.1	1	749635	7440025	
0.1	1	745961	7439760	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745937	7440715
	0.1	1	748789	7439683
	0.1	2	745959	7440738
	0.1	1	745503	7440908
	0.1	1	748707	7439601
	0.1	1	748741	7440460
	0.1	1	748732	7440519
	0.1	1	748740	7440451
	0.1	1	745504	7440905
	0.1	1	745922	7440790
	0.1	1	749559	7440026
	0.1	1	750044	7439965
	0.1	1	745914	7440672
	0.1	1	745575	7440910
	0.1	1	748742	7440578
	0.1	1	748697	7440447
	0.1	1	748730	7440437
	0.1	1	745946	7440658
	0.1	2	749908	7440038
	0.1	1	745508	7440914
	0.1	1	748759	7440513
	0.1	1	745945	7440711
	0.1	1	745945	7440563
	0.1	1	745501	7440920
	0.1	1	749369	7439979
	0.1	2	745920	7440816
	0.1	1	748728	7440428
	0.1	1	749442	7439996
	0.1	1	749767	7439994
	0.1	1	748694	7440431
	0.1	1	748772	7439664
	0.1	1	745896	7439929
	0.1	1	748756	7440511
	0.1	2	749865	7439991
0.1	1	745565	7440887	
0.1	2	749825	7440037	
0.1	1	749567	7440005	
0.1	1	745906	7439964	
0.1	2	750127	7440046	
0.1	1	745928	7439744	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	749905	7439983
	0.1	1	745925	7440791
	0.1	2	750039	7440041
	0.1	1	745956	7440566
	0.1	1	748691	7439938
	0.1	1	748751	7440537
	0.1	1	750136	7439990
	0.1	1	748730	7440496
	0.1	1	750060	7439970
	0.1	1	745583	7440871
	0.1	1	745958	7440652
	0.1	1	748729	7440139
	0.1	1	745901	7440255
	0.1	1	745934	7440704
	0.1	1	745963	7439939
	0.1	2	745930	7440508
	0.1	3	745901	7440255
	0.1	1	750215	7439989
	0.1	1	749767	7439962
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	745946	7440793
	0.1	1	745925	7440735
	0.1	1	750338	7440049
	0.1	1	745947	7439951
	0.1	3	745903	7440253
	0.1	1	748779	7439859
	0.1	1	748784	7439888
	0.1	1	745962	7439932
	0.1	1	748748	7439639
	0.1	2	749714	7440025
	0.1	1	745960	7439971
	0.1	1	745962	7440732
	0.1	1	749765	7439963
	0.1	1	748782	7439890
	0.1	1	745568	7440904
	0.1	1	745900	7440269
	0.1	1	748778	7439978
	0.1	1	745899	7439933
	0.1	1	745576	7440858
	0.1	1	745942	7440582
	0.1	1	745894	7440274

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	748748	7439670
	0.1	1	745922	7440848
	0.1	1	745904	7440244
	0.1	1	748778	7439771
	0.1	1	748690	7439935
	0.1	1	745898	7440277
	0.1	1	749455	7440031
	0.1	1	745893	7440568
	0.1	3	745955	7440065
	0.1	1	745899	7440277
	0.1	1	748748	7439715
	0.1	1	745926	7440827
	0.1	1	745947	7440701
	0.1	1	745947	7440081
	0.1	1	748768	7440238
	0.1	1	745941	7439870
	0.1	2	748724	7439923
	0.1	1	745896	7440288
	0.1	1	745935	7440756
	0.1	1	745909	7439919
	0.1	1	745578	7440855
	0.1	1	745944	7440078
	0.1	1	745930	7440760
	0.1	1	745495	7440641
	0.1	3	748757	7439728
	0.1	1	748778	7440374
	0.1	1	745499	7440777
	0.1	1	748764	7439750
	0.1	1	749840	7439964
	0.1	1	745917	7440711
	0.1	2	745949	7440104
	0.1	1	748781	7440433
	0.1	1	745942	7439873
0.1	2	733868	7436290	
0.1	6	733534	7436114	
0.1	2	734126	7436226	
0.1	1	730393	7435919	
0.1	1	730393	7435911	
0.1	1	733141	7435860	
0.1	1	731874	7436285	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	732220	7436309
	0.1	2	732398	7435041
	0.1	1	732554	7435214
	0.1	2	732395	7435041
	0.1	1	730395	7435901
	0.1	3	737748	7434995
	0.1	1	737795	7434863
	0.1	2	737833	7434655
	0.1	1	737034	7434488
	0.1	1	734902	7436357
	0.1	2	737071	7434622
	0.1	2	737819	7434727
	0.1	3	734803	7436467
	0.1	2	735623	7436359
	0.1	1	736538	7434444
	0.1	1	736580	7434392
	0.1	1	736487	7434470
	0.1	1	736595	7434374
	0.1	5	739193	7434599
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	740315	7434498
	0.1	1	735304	7434864
	0.1	1	736420	7434480
	0.1	2	737603	7434546
	0.1	2	739749	7436140
	0.1	2	741727	7434754
	0.1	1	741332	7434786
	0.1	2	738778	7435192
	0.1	1	749845	7431893
	0.1	2	741589	7435604
	0.1	1	741473	7434767
	0.1	1	739066	7435205
	0.1	6	739460	7434884
	0.1	4	741146	7434694
	0.1	1	748268	7432691
	0.1	1	742104	7434755
	0.1	2	741874	7436093
	0.1	3	743850	7435506
	0.1	2	748787	7433170
	0.1	2	744166	7434785
	0.1	1	745807	7434323

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	13	744716	7432043
	0.1	1	745951	7433937
	0.1	10	744890	7432393
	1.0	1	746090	7433858
	0.1	1	744465	7432112
	0.1	1	744937	7432128
	0.1	11	744891	7432393
	0.1	2	744657	7434922
	0.1	1	745731	7431910
	0.1	6	746928	7433946
	0.1	1	746898	7434062
	0.1	1	737595	7432347
	0.1	1	735372	7432066
	0.1	1	735861	7432319
	0.1	1	743386	7432220
	0.1	1	739657	7432417
	0.1	1	737722	7432547
	0.1	1	739915	7433098
	0.1	1	737689	7432517
	0.1	1	727874	7435682
	0.1	3	722706	7435347
	0.1	1	729050	7435545
	0.1	1	729283	7434446
	0.1	1	725439	7434777
	0.1	3	725990	7434204
	0.1	1	726928	7434843
	0.1	1	725839	7434606
	0.1	1	741314	7433639
	0.1	7	741578	7433389
	0.1	8	741378	7433453
	0.1	1	741597	7433393
	0.1	1	741407	7433624
	0.1	1	744477	7435572
0.1	3	744846	7436477	
0.1	1	744099	7435747	
0.1	1	753614	7436917	
0.1	1	744570	7436600	
0.1	1	744363	7436474	
0.1	1	744718	7435990	
0.1	2	744015	7436217	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	6	730242	7444804
	0.1	2	732016	7443919
	0.1	1	743275	7432196
	0.1	1	742386	7432171
	0.1	7	725257	7431585
	0.1	6	747721	7440497
	0.1	8	748165	7440338
	0.1	6	748783	7439810
	0.1	4	734621	7436378
	0.1	1	739209	7434439
	0.1	3	749966	7433133
	0.1	30	747941	7433398
	0.1	2	733846	7432324
	0.1	4	731065	7437732
	0.1	2	730228	7433362
	0.1	15	747574	7438954
	0.1	3	740355	7436375
	0.1	4	738135	7437106
	0.1	1	750536	7432770
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	722598	7431519
	0.1	4	724301	7431903
	0.1	1	745598	7439029
	0.1	4	738832	7435974
	0.1	2	730936	7436649
	0.1	5	731722	7437666
	0.1	4	741404	7440250
	0.1	3	743448	7441467
	0.1	1	746865	7440157
	0.1	8	749974	7439528
	0.5	20	752671	7441930
	0.1	2	747185	7441520
	0.1	4	746508	7441542
	0.1	4	753550	7443311
	0.1	8	740774	7439825
	0.1	1	755686	7443045
	0.1	1	732057	7436680
	0.1	2	735647	7436428
	0.1	4	737411	7434294
	0.1	16	736316	7436371
	0.1	9	741689	7434773

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	737970	7436160
	0.1	3	739751	7436051
	0.1	22	739618	7436033
	0.1	8	740303	7435898
	0.1	1	753198	7438410
	0.1	15	737322	7439105
	0.1	5	739940	7433165
	0.1	1	740079	7442132
	0.1	2	739910	7443628
	0.1	5	739888	7444929
	0.1	25	741992	7443807
	0.1	2	752617	7443867
	0.1	8	740485	7443480
	0.1	8	738155	7442214
	0.1	6	733945	7444806
	0.1	4	734718	7445770
	0.1	4	732008	7443963
	0.1	10	737464	7445127
	0.1	1	734778	7439908
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	732433	7445112
	0.1	7	720497	7434351
	0.1	3	739142	7444710
	0.1	2	739628	7442249
	0.1	5	748933	7438111
	0.1	2	734904	7441051
	0.1	3	737471	7438214
	0.1	1	750193	7437571
	0.1	6	731181	7435504
	0.1	1	748739	7431992
	0.1	1	728630	7434405
	1.0	8	728200	7435871
	0.1	3	728522	7434908
	0.1	5	727821	7436667
	0.1	31	743601	7443602
	0.1	9	741198	7444081
	0.1	1	731639	7435266
	0.1	4	736839	7435018
	0.1	1	737728	7435187
	0.1	1	750711	7434117
	0.1	1	747872	7436311

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	749561	7434356
	0.1	29	740068	7437621
	0.1	1	721383	7436040
	0.1	2	724614	7435323
	0.1	1	728179	7434608
	0.1	3	723484	7436651
	0.1	4	719202	7430379
	0.1	5	721543	7433954
	0.1	1	752760	7442537
	0.1	4	737286	7438635
	0.1	2	743179	7441511
	0.1	1	746778	7440236
	0.1	2	746764	7440224
	0.1	1	755627	7443156
	0.1	1	731403	7443761
	0.1	1	752755	7442550
	0.1	1	752585	7442317
	0.1	2	732633	7436829
	0.1	1	739235	7436692
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729650	7434753
	0.1	1	729877	7434678
	0.1	2	730026	7434804
	0.1	1	729795	7434698
	0.1	4	729795	7434996
	0.1	1	729832	7435029
	0.1	2	729869	7434690
	0.1	1	729815	7434837
	0.1	1	729672	7434614
	0.1	5	729823	7434718
	0.1	2	729817	7434716
	0.1	1	729875	7434703
	0.1	1	730029	7435131
	0.1	1	729820	7434715
	0.1	1	729884	7434717
	0.1	1	729678	7434686
	0.1	5	729910	7434664
	0.1	1	729910	7434667
	0.1	1	729666	7434731
	0.1	1	730076	7435282
	0.1	1	729870	7434730

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	729907	7434686
	0.1	2	730044	7435113
	0.1	1	729883	7434893
	0.1	2	729906	7434693
	0.1	1	729901	7434756
	0.1	1	729747	7434685
	0.1	2	730042	7435114
	0.1	1	729888	7434935
	0.1	1	729772	7434986
	0.1	1	729953	7435173
	0.1	1	729598	7434647
	0.1	2	729923	7434819
	0.1	1	729851	7435011
	0.1	1	729945	7435166
	0.1	5	729910	7434661
	0.1	3	730007	7434781
	0.1	1	729562	7434650
	0.1	3	729983	7434820
	0.1	5	730012	7435121
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	729839	7435008
	0.1	1	729545	7434583
	0.1	1	729942	7435111
	0.1	1	729634	7434790
	0.1	1	729848	7434640
	0.1	1	730052	7434930
	0.1	1	729943	7434996
	0.1	1	729621	7434767
	0.1	1	729621	7434607
	0.1	1	729581	7434536
	0.1	1	729872	7434641
	0.1	2	730148	7434945
	0.1	1	729952	7434675
	0.1	1	730144	7434932
	0.1	1	730127	7434947
	0.1	1	730118	7434950
	0.1	1	730123	7434979
	0.1	1	729967	7435036
	0.1	1	730112	7434985
	0.1	1	730110	7434895
	0.1	1	729724	7434705

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	730112	7434893
	0.1	1	730085	7434881
	0.1	1	729964	7435047
	0.1	1	730077	7434946
	0.1	1	730085	7434976
	0.1	1	730084	7435240
	0.1	2	729984	7435053
	0.1	1	732180	7434948
	0.1	1	731643	7434898
	0.1	2	732174	7434891
	0.1	2	732168	7434818
	0.1	1	731646	7434913
	0.1	1	732174	7434818
	0.1	1	732167	7434683
	0.1	1	732174	7434675
	0.1	1	731647	7434935
	0.1	1	732166	7434623
	0.1	1	732174	7434619
	0.1	1	732173	7434570
	0.1	1	732135	7434549
	0.1	1	732100	7435234
	0.1	1	732069	7435001
	0.1	1	732066	7434952
	0.1	1	732067	7434844
	0.1	3	732067	7434776
	0.1	1	732071	7434642
	0.1	1	731853	7434918
	0.1	5	731996	7434851
	0.1	1	731999	7434854
	0.1	3	731998	7434882
	0.1	1	731999	7434904
	0.1	1	731977	7435080
	0.1	2	731974	7435066
	0.1	1	731973	7434988
0.1	1	731968	7434845	
0.1	1	731938	7435022	
0.1	1	731964	7434850	
0.1	2	731973	7434848	
0.1	3	731940	7434878	
0.1	1	731966	7434679	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	731900	7434958
	0.1	3	731906	7435027
	0.1	3	731867	7434963
	0.1	1	731951	7435095
	0.1	1	731878	7434888
	0.1	2	731882	7434845
	0.1	1	731861	7434810
	0.1	1	731870	7434816
	0.1	1	731865	7434793
	0.1	1	731881	7434720
	0.1	2	731879	7434697
	0.1	1	731791	7434714
	0.1	1	731803	7434901
	0.1	1	731804	7435071
	0.1	2	731771	7435126
	0.1	2	731764	7434908
	0.1	1	732043	7434801
	0.1	1	731785	7434874
	0.1	1	732048	7434826
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	731761	7434712
	0.1	1	731769	7434680
	0.1	1	731706	7434603
	0.1	2	731707	7434612
	0.1	1	731700	7434656
	0.1	1	732054	7434989
	0.1	1	731709	7434675
	0.1	2	731702	7435022
	0.1	1	732055	7435027
	0.1	1	731671	7434907
	0.1	2	731674	7434685
	0.1	1	731670	7434645
	0.1	2	731677	7434617
	0.1	1	732127	7434964
	0.1	3	731661	7434608
	0.1	2	731611	7434802
	0.1	1	732141	7434652
	0.1	3	731603	7434867
	0.1	1	731575	7435097
	0.1	2	732148	7434662
	0.1	3	731583	7434962

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	731579	7434959
	0.1	2	731570	7434924
	0.1	1	731571	7434634
	0.1	1	731533	7434615
	0.1	3	731504	7434634
	0.1	1	732152	7434662
	0.1	1	731503	7434785
	0.1	3	731503	7435128
	0.1	1	731505	7435153
	0.1	1	732137	7434905
	0.1	2	731398	7434859
	0.1	1	731399	7435046
	0.1	1	731238	7434812
	0.1	1	731378	7435226
	0.1	1	731366	7435044
	0.1	1	731241	7434838
	0.1	1	731369	7435023
	0.1	1	731370	7434883
	0.1	1	731276	7434857
	0.1	1	731195	7435026
	0.1	1	731176	7434833
	0.1	1	731097	7434935
	0.1	1	731097	7434937
	0.1	2	731101	7435179
	0.1	1	731063	7435164
	0.1	1	731069	7434757
	0.1	1	731021	7434754
	0.1	1	731223	7434800
	0.1	1	731003	7434921
	0.1	1	731222	7434961
	0.1	1	731009	7435030
	0.1	1	731144	7435181
	0.1	1	731133	7434795
0.1	1	731126	7435026	
0.1	1	731345	7434879	
0.1	1	731053	7435167	
0.1	1	731035	7434989	
0.1	1	731343	7434993	
0.1	1	730732	7435165	
0.1	1	731350	7435175	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	730730	7435294
	0.1	1	730731	7435299
	0.1	1	730710	7434875
	0.1	1	730701	7434755
	0.1	1	730668	7435281
	0.1	1	730646	7435211
	0.1	1	730652	7435017
	0.1	1	730635	7434850
	0.1	1	730606	7435037
	0.1	1	730537	7435141
	0.1	1	730557	7435096
	0.1	1	730558	7435073
	0.1	1	731444	7434895
	0.1	4	730546	7434874
	0.1	1	730549	7434750
	0.1	1	730520	7434956
	0.1	2	730536	7435030
	0.1	1	730524	7435215
	0.1	1	730501	7435244
	0.1	1	730491	7434868
	0.1	2	730494	7434868
	0.1	1	730472	7434773
	0.1	1	730476	7434937
	0.1	1	730475	7434936
	0.1	1	730475	7435227
	0.1	1	731442	7435077
	0.1	1	730451	7435272
	0.1	1	730449	7435253
	0.1	2	730457	7434978
	0.1	1	730443	7434871
	0.1	1	730429	7435076
	0.1	1	730428	7435145
	0.1	1	730428	7435226
	0.1	1	730430	7435223
0.1	1	731534	7434971	
0.1	1	730423	7435235	
0.1	1	730420	7435238	
0.1	2	730429	7435299	
0.1	1	730423	7435311	
0.1	1	730400	7435221	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	730398	7435169
	0.1	1	730404	7435091
	0.1	1	730398	7435045
	0.1	1	730385	7435141
	0.1	1	730325	7435160
	0.1	1	730322	7435227
	0.1	1	730307	7435150
	0.1	1	730282	7435096
	0.1	1	730279	7435149
	0.1	1	731545	7434685
	0.1	1	730255	7435322
	0.1	1	730253	7435182
	0.1	1	730238	7435002
	0.1	2	730217	7435162
	0.1	1	730220	7435320
	0.1	1	730194	7435248
	0.1	1	730201	7434943
	0.1	1	730180	7434764
	0.1	1	730179	7434933
	0.1	3	730178	7435029
	0.1	1	731547	7435145
	0.1	1	731053	7435235
	0.1	1	731047	7434879
	0.1	1	731821	7434658
	0.1	1	731747	7434615
	0.1	1	731744	7434620
	0.1	1	731623	7435055
	0.1	1	732127	7434971
	0.1	1	731627	7434977
	0.1	1	731653	7434631
	0.1	1	732226	7434987
	0.1	1	732227	7434852
	0.1	1	732229	7434636
0.1	1	732227	7434551	
0.1	1	732254	7434870	
0.1	1	732352	7434651	
0.1	1	732346	7434805	
0.1	1	732343	7434856	
0.1	2	732416	7434993	
0.1	1	732422	7434968	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	732417	7434861
	0.1	1	732421	7434810
	0.1	1	732430	7434794
	0.1	1	732451	7434600
	0.1	1	732445	7434821
	0.1	1	732449	7434824
	0.1	1	732451	7434976
	0.1	1	732457	7435008
	0.1	2	732523	7434800
	0.1	1	732543	7434907
	0.1	1	732553	7434963
	0.1	1	732623	7434988
	0.1	1	732618	7434972
	0.1	1	732625	7434936
	0.1	1	732621	7434916
	0.1	1	732620	7434903
	0.1	1	732645	7434815
	0.1	1	732648	7434900
	0.1	1	732660	7434923
	0.1	1	732724	7434882
	0.1	1	732721	7434867
	0.1	1	732727	7434832
	0.1	1	732827	7434882
	0.1	3	732836	7434645
	0.1	1	732856	7434852
	0.1	1	732844	7434888
	0.1	1	732934	7434571
	0.1	2	732950	7434733
	0.1	1	732951	7434740
	0.1	1	733043	7434507
	0.1	1	733447	7434781
	0.1	3	730776	7435140
	0.1	1	730779	7435140
	0.1	2	730784	7435138
	0.1	2	730767	7435122
	0.1	1	730802	7434778
0.1	1	730824	7435206	
0.1	2	730824	7435203	
0.1	2	730833	7435132	
0.1	1	730826	7434694	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	730848	7434670
	0.1	1	730848	7434675
	0.1	1	730849	7434687
	0.1	1	730854	7435123
	0.1	2	730855	7435119
	0.1	1	730855	7435125
	0.1	1	730849	7435147
	0.1	2	730848	7435193
	0.1	1	730868	7435210
	0.1	1	730874	7435100
	0.1	1	730877	7435092
	0.1	1	730901	7435165
	0.1	1	730931	7435116
	0.1	1	730915	7435101
	0.1	1	730941	7435226
	0.1	1	730963	7435199
	0.1	1	730964	7435195
	0.1	1	730963	7435195
	0.1	1	730968	7435188
	0.1	1	730972	7435026
	0.1	1	732205	7434999
	0.1	1	732204	7434818
	0.1	1	732190	7434674
	0.1	1	732272	7434857
	0.1	1	732290	7435031
	0.1	1	732291	7435024
	0.1	1	732300	7435022
	0.1	1	732300	7434962
	0.1	1	732302	7434579
	0.1	1	732370	7434556
	0.1	1	732369	7434672
	0.1	1	732378	7434726
	0.1	1	732378	7434856
	0.1	1	732380	7434859
	0.1	1	732369	7434944
	0.1	2	732371	7435018
0.1	1	732368	7435020	
0.1	1	732402	7434972	
0.1	2	732405	7434973	
0.1	2	732402	7434970	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	732410	7434939
	0.1	1	732403	7434929
	0.1	1	732398	7434910
	0.1	2	732394	7434907
	0.1	1	732395	7434650
	0.1	1	732403	7434642
	0.1	1	732460	7434673
	0.1	1	732464	7434865
	0.1	1	732501	7434953
	0.1	1	732512	7434902
	0.1	1	732498	7434899
	0.1	1	732497	7434882
	0.1	1	732504	7434849
	0.1	1	732498	7434847
	0.1	2	732505	7434802
	0.1	1	732515	7434790
	0.1	1	732504	7434557
	0.1	1	732568	7434877
	0.1	1	732570	7434901
	0.1	1	732567	7434979
	0.1	1	732600	7434983
	0.1	1	732597	7434683
	0.1	1	732594	7434585
	0.1	1	732667	7434816
	0.1	1	732673	7434833
	0.1	1	732671	7434917
	0.1	1	732686	7434963
	0.1	1	732691	7434966
	0.1	1	732698	7434885
	0.1	1	732706	7434815
	0.1	1	732688	7434760
	0.1	1	732774	7434845
	0.1	1	732765	7434877
	0.1	2	732775	7434904
0.1	3	732794	7434876	
0.1	1	732799	7434690	
0.1	2	732872	7434598	
0.1	1	732862	7434623	
0.1	1	732870	7434758	
0.1	2	732878	7434868	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	732882	7434902
	0.1	3	732882	7434903
	0.1	5	732885	7434905
	0.1	1	732881	7434908
	0.1	2	732903	7434783
	0.1	1	733012	7434570
	0.1	1	733078	7434786
	0.1	1	734125	7435133
	0.1	1	734124	7435299
	0.1	1	732709	7435005
	0.1	2	734698	7434526
	0.1	1	734505	7434793
	0.1	1	732749	7435048
	0.1	1	734576	7434895
	0.1	1	734596	7434943
	0.1	1	734606	7434947
	0.1	1	734713	7434614
	0.1	1	734551	7434892
	0.1	1	734646	7434713
	0.1	2	734547	7434845
	0.1	1	734669	7434789
	0.1	1	734548	7434816
	0.1	2	734701	7435487
	0.1	1	734296	7434930
	0.1	1	734305	7434921
	0.1	1	734681	7434897
	0.1	1	734314	7434923
	0.1	2	734648	7435604
	0.1	1	734637	7434812
	0.1	1	734653	7435519
	0.1	1	734619	7434915
	0.1	1	734313	7434920
	0.1	1	734656	7435476
0.1	2	734650	7435495	
0.1	1	734613	7434784	
0.1	1	734678	7434799	
0.1	1	734309	7434919	
0.1	1	734672	7434802	
0.1	1	734683	7434677	
0.1	1	734297	7434930	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	732363	7435092
	0.1	1	734674	7434824
	0.1	1	734682	7434911
	0.1	1	732451	7435078
	0.1	1	734626	7434603
	0.1	2	734707	7435582
	0.1	1	734682	7434913
	0.1	3	734688	7434594
	0.1	1	734619	7434581
	0.1	1	732450	7435082
	0.1	2	734636	7434437
	0.1	2	734670	7434823
	0.1	1	734665	7434533
	0.1	1	734709	7435585
	0.1	1	734626	7434892
	0.1	3	734643	7434476
	0.1	1	734661	7434535
	0.1	1	734669	7435611
	0.1	1	734441	7434901
	0.1	1	734451	7434892
	0.1	1	734230	7434898
	0.1	1	732276	7435127
	0.1	1	732265	7435046
	0.1	1	734504	7434645
	0.1	1	732274	7435045
	0.1	1	734675	7434444
	0.1	1	734688	7434703
	0.1	1	732559	7435213
	0.1	1	734709	7434524
	0.1	1	732602	7435047
	0.1	1	732607	7435098
	0.1	1	732607	7435098
	0.1	1	734503	7434710
0.1	2	734656	7434557	
0.1	1	730742	7444758	
0.1	1	730694	7445018	
0.1	1	730698	7445251	
0.1	1	730720	7445209	
0.1	1	730777	7445156	
0.1	1	730804	7445038	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	15	730732	7444975
	0.1	2	730312	7444931
	0.1	2	730768	7445130
	0.1	1	730303	7444690
	0.1	3	730700	7444917
	0.1	1	730792	7444942
	0.1	2	730741	7445078
	0.1	1	730301	7444808
	0.1	1	730371	7444554
	0.1	1	730347	7444922
	0.1	1	730770	7445126
	0.1	1	730714	7445057
	0.1	3	730798	7444766
	0.1	2	730728	7445089
	0.1	7	730744	7445567
	0.1	3	730694	7444864
	0.1	2	730391	7444778
	0.1	3	730704	7444734
	0.1	1	730414	7444732
	0.1	2	730341	7444940
	0.1	2	730783	7445187
	0.1	2	730789	7444995
	0.1	2	730735	7444777
	0.1	2	730784	7444761
	0.1	4	730719	7445032
	0.1	2	730293	7444793
	0.1	6	730393	7444902
	0.1	2	730704	7445070
	0.1	2	730784	7444910
	0.1	1	730746	7444944
	0.1	1	730740	7444890
	0.1	3	730327	7444736
	0.1	3	730323	7444864
	0.1	2	730720	7444784
0.1	2	730723	7445092	
0.1	2	730716	7444736	
0.1	2	730748	7444991	
0.1	4	730761	7445031	
0.1	1	730733	7444940	
0.1	3	730799	7444979	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	730308	7444731
	0.1	4	730783	7445006
	0.1	3	730360	7444884
	0.1	4	730704	7445038
	0.1	1	730735	7445186
	0.1	1	730716	7444796
	0.1	1	730792	7445184
	0.1	3	730801	7444953
	0.1	6	730748	7444953
	0.1	3	730793	7444955
	0.1	1	730324	7444658
	0.1	1	730317	7444646
	0.1	2	730733	7444869
	0.1	6	730730	7445057
	0.1	4	730360	7444903
	0.1	5	730322	7444937
	0.1	2	730779	7445007
	0.1	3	730710	7444886
	0.1	2	730346	7444934
	0.1	3	730326	7444728
	0.1	1	730323	7444771
	0.1	3	730317	7444837
	0.1	1	730414	7444415
	0.1	1	730419	7444474
	0.1	3	730322	7444905
	0.1	1	730310	7444919
	0.1	1	730305	7444866
	0.1	1	730772	7444810
	0.1	3	730294	7444804
	0.1	6	730712	7444746
	0.1	1	730371	7444763
	0.1	3	730733	7445442
	0.1	3	730695	7444925
0.1	1	730043	7445079	
0.1	1	730757	7444895	
0.1	5	734300	7443974	
0.1	3	734301	7444351	
0.1	2	734391	7443742	
0.1	2	734352	7443522	
0.1	5	734315	7443924	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	3	733945	7444081
	0.1	1	734388	7443347
	0.1	2	733929	7443993
	0.1	5	733977	7444104
	0.1	1	734299	7443799
	0.1	2	734409	7444299
	0.1	3	733976	7444010
	0.1	3	734300	7444159
	0.1	1	733985	7444004
	0.1	3	733999	7444016
	0.1	1	734304	7444245
	0.1	2	734354	7444230
	0.1	1	734313	7444380
	0.1	4	733964	7444092
	0.1	3	734379	7443735
	0.1	3	733923	7444191
	0.1	1	734306	7444677
	0.1	4	734371	7443585
	0.1	3	734315	7444835
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	734008	7444070
	0.1	3	734290	7443726
	0.1	7	734366	7443928
	0.1	1	734009	7444263
	0.1	3	734418	7443828
	0.1	2	733924	7444037
	0.1	2	734373	7444231
	0.1	3	734324	7443934
	0.1	3	734287	7444388
	0.1	1	733886	7444676
	0.1	2	734400	7444412
	0.1	1	733986	7444135
	0.1	1	734011	7444165
	0.1	1	734003	7444372
	0.1	1	734393	7444173
	0.1	1	733968	7444318
	0.1	1	734343	7444285
	0.1	1	733984	7444349
	0.1	3	734318	7444047
	0.1	1	733983	7444339
	0.1	3	733978	7444276

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	734006	7444219
	0.1	3	734339	7444117
	0.1	1	734310	7444638
	0.1	2	734404	7443739
	0.1	5	734349	7444170
	0.1	3	734292	7443810
	0.1	2	734293	7443487
	0.1	4	734329	7443844
	0.1	2	734319	7444861
	0.1	1	734410	7443977
	0.1	1	734388	7444228
	0.1	2	734006	7444312
	0.1	3	734334	7444433
	0.1	3	733927	7444300
	0.1	2	733937	7444058
	0.1	2	734402	7443572
	0.1	1	733913	7443930
	0.1	1	733940	7444056
	0.1	3	734301	7444840
	0.1	7	734305	7443917
	0.1	1	733963	7444315
	0.1	2	733959	7444213
	0.1	2	734394	7444158
	0.1	3	734302	7443890
	0.1	1	733999	7444202
	0.1	1	734370	7443589
	0.1	2	733993	7444268
	0.1	1	733991	7444083
	0.1	6	734394	7444284
	0.1	6	734361	7444316
	0.1	2	733910	7444076
	0.1	1	733998	7444072
	0.1	2	733938	7444191
0.1	2	734388	7444335	
0.1	1	734400	7444319	
0.1	3	733944	7444077	
0.1	1	733960	7444248	
0.1	2	734386	7443956	
0.1	1	734403	7444003	
0.1	1	733988	7444020	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	734324	7444637
	0.1	1	733997	7443991
	0.1	1	734301	7443425
	0.1	1	734295	7443393
	0.1	2	733895	7444395
	0.1	1	734286	7443512
	0.1	3	734380	7444170
	0.1	1	734310	7443669
	0.1	2	734408	7444822
	0.1	1	734327	7443757
	0.1	1	733896	7443955
	0.1	1	734369	7444862
	0.1	2	735585	7443238
	0.1	4	735174	7443374
	0.1	2	735192	7444084
	0.1	5	735205	7443288
	0.1	3	735579	7443552
	0.1	5	735577	7443310
	0.1	2	736803	7443113
	0.1	1	735199	7443285
	0.1	2	735203	7443547
	0.1	2	735187	7444059
	0.1	2	735116	7443788
	0.1	7	735606	7443366
	0.1	2	735103	7443235
	0.1	1	735183	7443905
	0.1	2	735488	7443159
	0.1	2	735504	7443182
	0.1	2	735512	7443287
	0.1	1	735172	7444202
	0.1	2	735498	7443516
	0.1	1	735168	7443723
	0.1	2	736700	7443368
	0.1	2	736692	7443988
	0.1	2	736693	7444329
	0.1	2	735500	7443303
0.1	3	735500	7443234	
0.1	1	736779	7443951	
0.1	2	736730	7442871	
0.1	3	735504	7443074	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	736713	7442956
	0.1	2	735119	7444036
	0.1	2	735511	7443929
	0.1	1	735211	7443308
	0.1	4	735122	7443664
	0.1	1	735205	7444106
	0.1	1	735520	7443196
	0.1	1	735520	7443222
	0.1	1	736700	7443234
	0.1	1	735122	7443830
	0.1	5	735495	7443565
	0.1	1	735096	7443803
	0.1	1	736721	7443139
	0.1	1	735500	7443609
	0.1	1	735518	7443833
	0.1	1	736807	7442930
	0.1	1	735519	7444023
	0.1	1	735187	7444072
	0.1	5	736712	7443013
	0.1	5	736702	7442877
	0.1	1	735203	7444058
	0.1	5	735512	7443127
	0.1	1	735173	7444075
	0.1	5	735122	7443268
	0.1	1	735169	7444118
	0.1	1	735219	7443307
	0.1	1	735584	7443217
	0.1	6	735108	7443911
	0.1	1	735105	7443844
	0.1	1	735502	7443112
	0.1	1	735505	7443265
	0.1	1	735504	7443388
	0.1	1	735516	7443501
0.1	8	736696	7442892	
0.1	8	735493	7443791	
0.1	3	735104	7443343	
0.1	9	735587	7443514	
0.1	3	735197	7443819	
0.1	3	735111	7443509	
0.1	3	735494	7443470	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	3	736700	7443848
	0.1	3	735522	7443148
	0.1	3	735523	7443084
	0.1	2	736706	7443180
	0.1	1	735605	7443340
	0.1	1	736780	7443822
	0.1	1	735574	7443508
	0.1	1	735581	7443628
	0.1	1	736781	7443644
	0.1	1	735578	7443412
	0.1	1	736810	7443954
	0.1	1	735596	7443054
	0.1	1	736766	7443900
	0.1	1	735599	7443492
	0.1	2	735517	7443423
	0.1	1	735603	7443247
	0.1	1	735598	7443468
	0.1	2	735165	7443970
	0.1	2	736724	7443918
	0.1	3	735506	7443351
	0.1	2	735580	7443159
	0.1	2	735184	7443268
	0.1	1	736809	7442918
	0.1	2	736807	7444062
	0.1	3	735562	7443097
	0.1	1	735145	7443667
	0.1	4	735550	7443253
	0.1	2	735162	7443718
	0.1	1	736760	7443815
	0.1	4	735544	7443518
	0.1	1	735128	7443861
	0.1	1	735563	7443204
	0.1	4	735557	7443594
	0.1	1	735142	7443375
	0.1	2	735137	7443744
	0.1	2	735558	7443195
0.1	2	735152	7443657	
0.1	2	736755	7442968	
0.1	2	736736	7443066	
0.1	2	735172	7443367	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	735548	7443610
	0.1	2	735541	7444020
	0.1	1	734900	7440068
	0.1	3	735158	7444020
	0.1	1	736760	7442975
	0.1	1	736724	7443136
	0.1	2	736772	7442921
	0.1	1	735159	7444053
	0.1	1	735565	7443574
	0.1	1	735132	7444029
	0.1	1	735142	7444185
	0.1	1	735239	7440003
	0.1	1	735160	7443875
	0.1	1	735176	7443167
	0.1	2	736727	7443641
	0.1	2	735039	7440089
	0.1	1	735561	7443561
	0.1	1	735129	7443936
	0.1	1	736726	7443277
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	5	734760	7440171
	0.1	1	735559	7443408
	0.1	1	735158	7444113
	0.1	4	736740	7442945
	0.1	2	735140	7443267
	0.1	5	736738	7442975
	0.1	6	735176	7443792
	0.1	1	734933	7440091
	0.1	3	735138	7443638
	0.1	1	736761	7443016
	0.1	1	735190	7440058
	0.1	5	735538	7443712
	0.1	1	735166	7443961
	0.1	1	735141	7443562
	0.1	3	735566	7443344
	0.1	1	736760	7442938
	0.1	1	735131	7440089
	0.1	1	736755	7442765
	0.1	2	736730	7442913
	0.1	1	736768	7443782
	0.1	1	736749	7443919

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	736753	7443908
	0.1	1	736751	7443530
	0.1	1	736742	7443155
	0.1	4	735140	7444161
	0.1	3	735143	7443972
	0.1	2	736726	7442970
	0.1	1	735220	7440040
	0.1	3	735141	7443359
	0.1	2	735158	7440056
	0.1	2	735141	7443782
	0.1	3	736730	7442872
	0.1	1	737006	7439670
	0.1	2	737407	7439777
	0.1	2	737420	7439798
	0.1	3	737378	7439792
	0.1	1	736837	7440091
	0.1	2	737598	7439531
	0.1	1	737398	7439825
	0.1	1	737476	7439688
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	737449	7439807
	0.1	1	737594	7439384
	0.1	1	737262	7439720
	0.1	1	737251	7439508
	0.1	10	737321	7439829
	0.1	1	736934	7439711
	0.1	2	737351	7439551
	0.1	2	737333	7439723
	0.1	1	737318	7439680
	0.1	3	737323	7439543
	0.1	1	737302	7439501
	0.1	1	737225	7439672
	0.1	1	736932	7439743
	0.1	1	737256	7439734
	0.1	4	737386	7439527
	0.1	8	737067	7439724
	0.1	1	737595	7439332
	0.1	1	737371	7439589
	0.1	1	737422	7439602
	0.1	5	737037	7439646
	0.1	5	737328	7439764

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	737294	7439757
	0.1	1	737465	7439488
	0.1	1	736951	7439817
	0.1	1	737251	7439740
	0.1	2	737371	7439819
	0.1	1	737325	7439535
	0.1	1	737465	7439436
	0.1	1	737681	7439131
	0.1	4	736987	7439705
	0.1	4	736980	7439712
	0.1	4	737064	7439786
	0.1	1	737433	7439803
	0.1	1	737436	7440004
	0.1	4	737456	7439782
	0.1	4	737389	7439512
	0.1	4	737407	7439608
	0.1	1	737466	7440083
	0.1	1	737337	7439519
	0.1	1	737397	7439885
	0.1	1	737367	7440082
	0.1	2	737328	7439851
	0.1	1	737420	7439691
	0.1	3	737019	7439688
	0.1	1	737339	7439482
	0.1	3	736993	7439730
	0.1	2	737314	7439792
	0.1	1	737409	7439566
	0.1	3	737061	7439759
	0.1	3	737063	7439676
	0.1	1	737393	7439533
	0.1	2	737478	7440043
	0.1	3	737082	7439629
	0.1	3	737396	7439415
	0.1	1	736185	7439866
0.1	3	737404	7439683	
0.1	2	737401	7439441	
0.1	3	737474	7440027	
0.1	1	737414	7439481	
0.1	1	737405	7439456	
0.1	1	737714	7439343	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	737730	7439250
	0.1	1	737226	7439569
	0.1	1	736968	7439763
	0.1	1	736951	7439754
	0.1	2	737233	7439531
	0.1	2	737469	7439988
	0.1	1	736936	7439821
	0.1	3	737422	7439512
	0.1	1	737393	7439463
	0.1	3	737419	7439903
	0.1	1	737370	7439846
	0.1	1	737418	7439420
	0.1	1	737067	7439694
	0.1	1	737089	7439744
	0.1	4	737328	7439504
	0.1	1	737373	7439575
	0.1	1	737043	7439775
	0.1	2	737326	7439867
	0.1	2	737024	7439693
	0.1	1	737276	7439711
	0.1	2	737407	7439630
	0.1	5	737370	7439682
	0.1	2	737388	7439763
	0.1	1	738695	7442544
	0.1	3	738719	7442410
	0.1	1	738807	7442516
	0.1	1	738032	7439264
	0.1	1	738024	7439317
	0.1	3	738146	7439184
	0.1	3	738762	7442360
	0.1	2	738280	7439204
	0.1	2	738219	7439409
	0.1	2	738210	7439357
	0.1	2	738032	7439393
	0.1	2	738711	7442472
	0.1	2	738711	7442433
0.1	1	738110	7439444	
0.1	2	738711	7442537	
0.1	1	738035	7439389	
0.1	1	738121	7439304	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	2	738284	7439175
	0.1	2	738770	7442467
	0.1	1	738144	7439386
	0.1	1	738694	7442483
	0.1	1	738035	7439239
	0.1	1	738114	7439288
	0.1	1	738214	7439300
	0.1	1	738186	7439345
	0.1	1	738042	7439331
	0.1	1	738110	7439312
	0.1	1	738271	7439208
	0.1	1	738204	7439148
	0.1	1	738719	7442569
	0.1	1	738216	7439379
	0.1	1	738209	7439323
	0.1	1	738765	7442421
	0.1	9	738135	7439279
	0.1	6	738238	7439196
	0.1	5	738737	7442402
	0.1	5	738796	7442471
	0.1	4	738244	7439182
	0.1	4	738738	7442599
	0.1	4	738101	7439429
	0.1	1	738180	7439140
	0.1	1	737650	7439375
	0.1	1	738036	7439425
	0.1	3	738088	7439435
	0.1	3	738737	7442537
	0.1	3	738790	7442567
	0.1	3	738792	7442353
	0.1	1	738690	7442526
	0.1	2	738248	7439143
	0.1	2	738240	7439345
0.1	2	738169	7439291	
0.1	2	738168	7439150	
0.1	2	738095	7439438	
0.1	2	738740	7442326	
0.1	2	738742	7442307	
0.1	2	738197	7439201	
0.1	2	738259	7439153	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2	738260	7439190
	0.1	2	738255	7439317
	0.1	1	737636	7439199
	0.1	1	738246	7439152
	0.1	1	738240	7439238
	0.1	1	738242	7439359
	0.1	1	738236	7439399
	0.1	1	738242	7439413
	0.1	1	738013	7439376
	0.1	1	738013	7439198
	0.1	1	738740	7442548
	0.1	1	738728	7442499
	0.1	1	738734	7442483
	0.1	7	738695	7442409
	0.1	1	738736	7442363
	0.1	1	738788	7442200
	0.1	1	738790	7442226
	0.1	1	738794	7442333
	0.1	1	738791	7442520
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	7	738100	7439326
	0.1	3	738087	7439343
	0.1	3	738186	7439213
	0.1	4	738803	7442465
	0.1	1	738199	7439305
	0.1	1	738263	7439412
	0.1	1	738813	7442307
	0.1	3	738030	7439159
	0.1	5	738140	7439284
	0.1	3	738263	7439136
	0.1	4	738723	7442392
	0.1	1	738263	7439284
	0.1	4	738203	7439433
	0.1	1	749103	7441233
	0.1	1	753337	7439981
	0.1	1	753348	7439972
	0.1	1	753337	7439924
	0.1	1	753349	7439962
	0.1	1	753355	7439969
	0.1	1	753372	7439926
	0.1	1	750780	7441015

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	753338	7439964
	0.1	1	753324	7439901
	0.1	1	750812	7441050
	0.1	1	753354	7439966
	0.1	1	753354	7439964
	0.1	1	753401	7439928
	0.1	1	753356	7439976
	0.1	1	753330	7439929
	0.1	1	753335	7439975
	0.1	1	753320	7439896
	0.1	1	753351	7439969
	0.1	1	753270	7439931
	0.1	1	753258	7439945
	0.1	1	753288	7439904
	0.1	1	753298	7439998
	0.1	1	753292	7440025
	0.1	1	753268	7440024
	0.1	1	750846	7440979
	0.1	1	753264	7439941
	0.1	1	750827	7440962
	0.1	1	753260	7440013
	0.1	1	753261	7439946
	0.1	1	753292	7439930
	0.1	1	753275	7439977
	0.1	1	753292	7439897
	0.1	1	753269	7440002
	0.1	1	753280	7439958
	0.1	1	753288	7439906
	0.1	1	753308	7440001
	0.1	1	747962	7431610
	0.1	2	747965	7431602
	0.1	2	747941	7431615
	0.1	4	750072	7433328
	0.1	1	750047	7433308
0.1	2	750040	7433295	
0.1	1	750007	7433210	
0.1	1	749969	7433191	
0.1	1	749951	7433138	
0.1	1	749907	7433100	
0.1	1	749852	7432984	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749804	7432902
	0.1	1	749769	7432892
	0.1	1	749757	7432879
	0.1	2	749667	7432718
	0.1	1	749117	7431616
	0.1	1	749650	7432707
	0.1	1	749626	7432669
	0.1	1	749286	7431715
	0.1	1	749535	7432528
	0.1	1	749416	7432297
	0.1	1	749510	7432505
	0.1	1	749436	7432291
	0.1	1	749491	7432451
	0.1	1	749486	7432509
	0.1	1	749436	7432243
	0.1	1	749547	7432590
	0.1	1	749421	7431941
	0.1	1	750109	7433318
	0.1	1	749531	7432442
	0.1	1	749655	7432743
	0.1	1	749562	7432536
	0.1	1	750115	7433310
	0.1	1	749561	7432554
	0.1	2	749572	7432554
	0.1	1	750123	7433307
	0.1	1	749553	7432453
	0.1	1	749627	7432649
	0.1	1	750121	7433291
	0.1	1	749661	7432779
	0.1	3	749674	7432702
	0.1	1	731263	7437141
	0.1	2	749922	7432997
	0.1	1	750118	7433290
0.1	1	749568	7432514	
0.1	1	749685	7432713	
0.1	1	749804	7432981	
0.1	1	749739	7432780	
0.1	1	749714	7432701	
0.1	1	750115	7433290	
0.1	1	749572	7432515	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749759	7432816
	0.1	1	750108	7433292
	0.1	1	749789	7432830
	0.1	1	750103	7433288
	0.1	1	749860	7433082
	0.1	1	749622	7432589
	0.1	1	750111	7433278
	0.1	2	749929	7433049
	0.1	2	749931	7433081
	0.1	3	750103	7433284
	0.1	1	749886	7433091
	0.1	1	749694	7432697
	0.1	2	750054	7433197
	0.1	1	749940	7433099
	0.1	1	749862	7432942
	0.1	1	750031	7433223
	0.1	1	750009	7433169
	0.1	1	749696	7432704
	0.1	1	749919	7433135
	0.1	1	750000	7433131
	0.1	2	750054	7433234
	0.1	1	750061	7433276
	0.1	2	750069	7433293
	0.1	1	750063	7433305
	0.1	1	750071	7433314
	0.1	2	750079	7433305
	0.1	3	750096	7433308
	0.1	3	750101	7433322
	0.1	3	750091	7433331
	0.1	3	750098	7433344
	0.1	1	750125	7433350
	0.1	1	750136	7433384
	0.1	4	750194	7433462
	0.1	1	750206	7433540
0.1	2	750171	7433493	
0.1	4	750176	7433471	
0.1	3	750167	7433474	
0.1	1	750169	7433459	
0.1	2	750144	7433450	
0.1	2	750144	7433419	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	750105	7433404
	0.1	2	750099	7433364
	0.1	2	750082	7433352
	0.1	2	750063	7433333
	0.1	1	749633	7432729
	0.1	1	749962	7433215
	0.1	1	749482	7432165
	0.1	1	750179	7433559
	0.1	1	749493	7432100
	0.1	4	750012	7433299
	0.1	1	750178	7433550
	0.1	1	750176	7433536
	0.1	1	750167	7433520
	0.1	1	750166	7433515
	0.1	1	750153	7433508
	0.1	1	750151	7433489
	0.1	1	749966	7433194
	0.1	2	749273	7431616
	0.1	1	750135	7433472
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	750129	7433471
	0.1	1	750128	7433468
	0.1	1	750200	7433569
	0.1	4	749299	7431661
	0.1	1	750129	7433464
	0.1	1	750202	7433437
	0.1	1	750053	7433350
	0.1	2	750037	7433326
	0.1	1	731480	7437116
	0.1	1	750190	7433440
	0.1	1	750046	7433318
	0.1	1	750143	7433365
	0.1	2	749492	7432169
	0.1	2	750017	7433314
	0.1	1	749107	7431564
	0.1	1	750157	7433349
	0.1	1	750030	7433296
	0.1	1	749277	7431641
	0.1	3	749292	7431653
	0.1	1	750133	7433347
	0.1	1	749513	7432302

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	749469	7432078
	0.1	1	750136	7433345
	0.1	5	750016	7433303
	0.1	2	749463	7432155
	0.1	2	750136	7433312
	0.1	1	749463	7432226
	0.1	1	749513	7432305
	0.1	1	749522	7432438
	0.1	1	749517	7432458
	0.1	2	750114	7433315
	0.1	1	749792	7432833
	0.1	4	749521	7432471
	0.1	2	749218	7431640
	0.1	3	749097	7431594
	0.1	1	749596	7432648
	0.1	2	749046	7431592
	0.1	1	749976	7433106
	0.1	1	747940	7431587
	0.1	2	747975	7431583
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	748011	7431587
	0.1	2	748520	7431572
	0.1	1	748535	7431569
	0.1	1	749598	7432648
	0.1	2	748692	7431560
	0.1	5	748834	7431590
	0.1	1	749706	7432700
	0.1	1	748753	7431596
	0.1	1	748733	7431586
	0.1	5	748698	7431583
	0.1	1	749597	7432644
	0.1	2	748550	7431582
	0.1	1	748535	7431599
	0.1	2	748274	7431592
	0.1	1	748269	7431599
	0.1	1	749616	7432699
	0.1	1	749925	7433044
	0.1	3	748145	7431613
	0.1	5	748029	7431603
	0.1	1	749969	7433228
	0.1	1	749794	7432836

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Rhagodia</i> sp. Hamersley (M. Trudgen 17794) P3	0.1	1	749017	7441048
	0.1	1	749089	7441242
	0.1	1	749092	7441243
	0.1	1	749118	7441231
	0.1	3	749118	7441232
	0.1	1	749118	7441233
	0.1	1	749119	7441242
	0.1	1	749024	7441246
	0.1	1	749099	7441245
	0.1	2	749117	7441244
	0.1	1	749028	7441257
	0.1	1	749115	7441245
	0.1	1	749110	7441247
	0.1	2	749097	7441245
	0.1	1	749108	7441248
	0.1	1	753370	7439890
	0.1	1	753285	7439886
	0.1	1	750831	7440966
	0.1	1	753375	7439981
	<i>Streptoglossa</i> sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3	0.1	1	733874
0.1		1	732932	7433589
0.1		1	726973	7436899
<i>Swainsona thompsoniana</i> P3	0.1	1	722902	7436972
	0.1	12	733796	7435839
	0.5	100	726973	7436899
<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	0.1	21	730635	7436359
	5.0	200	722503	7437004
	0.1	8	730646	7436392
	0.1	8	730646	7436407
	0.1	6	730658	7436330
	0.5	20	734621	7436378
	0.1	20	738832	7435974
	0.1	15	735647	7436428
	3.0	50	739940	7433165

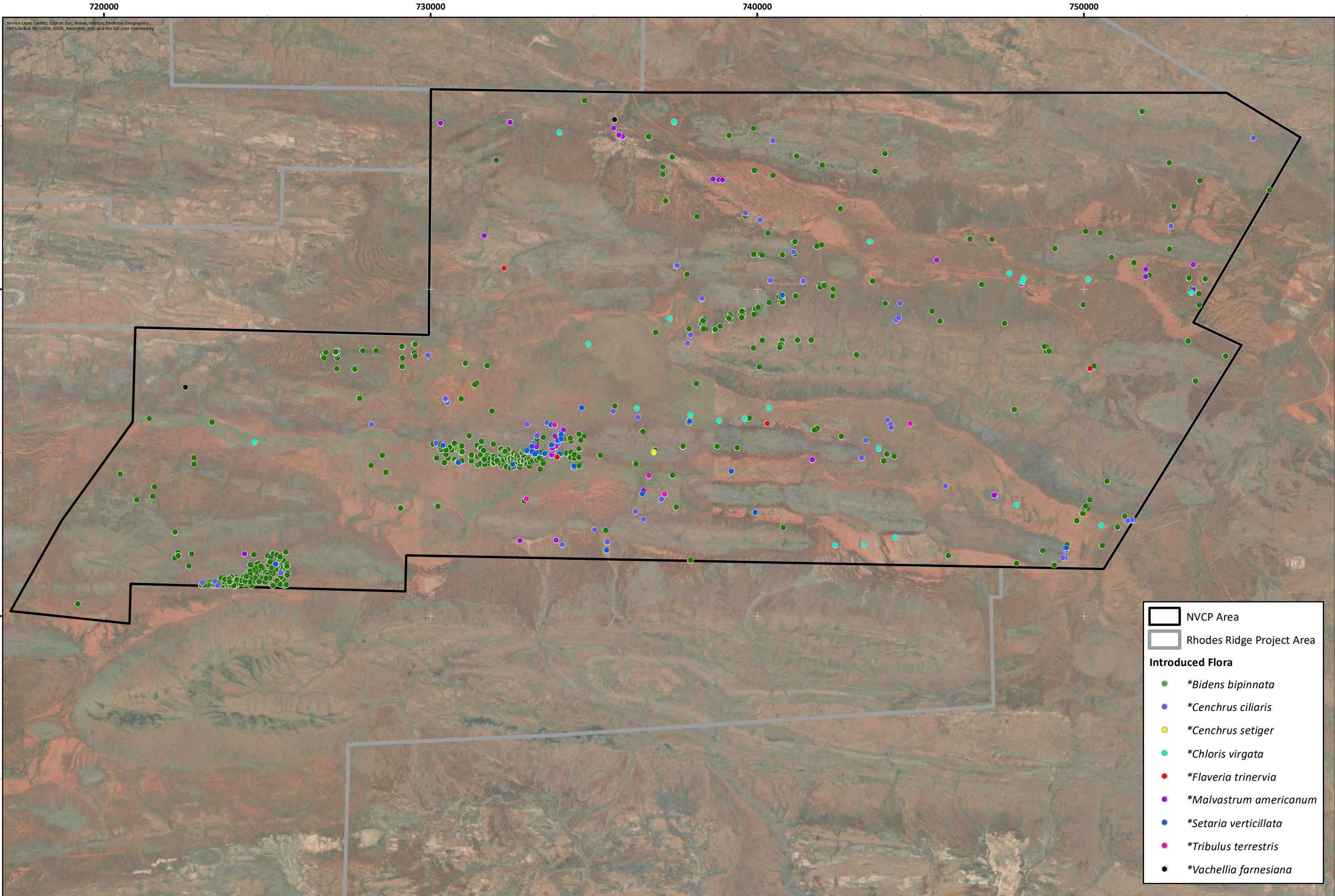
Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Triodia</i> sp. Mt Ella (M.E. Trudgen 12739) P3	1.0	200	748658	7438242
	0.5	250	742822	7437501
	0.5	50	742755	7437464
	11.0	150	740285	7438384
	11.0	150	740274	7438433
<i>Goodenia ?nuda</i> P4	0.1	1	734621	7436378
	0.1	1	730228	7433362
	0.1	1	728179	7434608
	0.1	2	749756	7432812
	0.1	1	749798	7432866
	0.1	3	749934	7433081
<i>Goodenia nuda</i> P4	0.1	1	728946	7434203
	0.1	1	745541	7440409
	0.1	1	745534	7440402
	0.1	1	745539	7440411
	0.1	1	745540	7440409
	0.1	1	745572	7440468
	0.1	1	745554	7440423
	0.1	1	745554	7440422
	0.1	1	745558	7440413
	0.1	1	745553	7440407
	0.1	1	745527	7440380
	0.1	1	745543	7440409
	0.1	1	747567	7431688
	0.1	1	744225	7432414
	0.1	1	751355	7432919
	0.5	100	731065	7437732
	0.1	1	729020	7432633
	0.1	1	731722	7437666
	0.1	1	730936	7436649
	0.1	1	731722	7437666
	0.1	1	750134	7440317
	0.1	1	729529	7434676
	0.1	1	732108	7434581
	0.1	1	730500	7434763
	0.1	1	730448	7434829
	0.1	1	730399	7435016
	0.1	1	730372	7435057
0.1	3	730351	7435027	
0.1	1	730351	7435068	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Goodenia nuda</i> P4	0.1	1	734698	7434428
	0.1	1	734577	7434776
	0.1	1	731007	7434668
	0.1	8	747840	7431603
	0.1	17	747535	7431609
	0.1	15	747534	7431595
	0.1	38	747562	7431610
	0.1	41	747848	7431614
	0.1	20	747809	7431618
	0.1	30	747546	7431612
	0.1	1	747678	7431623
	0.1	18	747582	7431607
	0.1	7	747876	7431615
	0.1	45	747858	7431615
	0.1	63	747889	7431611
	0.1	17	747554	7431606
	0.1	3	747547	7431588
	0.1	2	747556	7431584
	0.1	2	747556	7431596
	0.1	1	747560	7431588
	0.1	3	747560	7431587
	0.1	1	747563	7431576
	0.1	2	747563	7431595
	0.1	1	747568	7431594
	0.1	1	747569	7431593
	0.1	1	747569	7431582
	0.1	4	731400	7437138
	0.1	1	731395	7437141
	0.1	7	747549	7431583
	0.1	1	749784	7432844
	0.1	1	749837	7432936
	0.1	1	731500	7437180
	0.1	7	731526	7437182
	0.1	10	731547	7437179
	0.1	16	731544	7437116
	0.1	25	731461	7437179
0.1	21	731453	7437168	
0.1	2	731463	7437162	
0.1	2	731486	7437159	
0.1	10	731538	7437161	

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>Goodenia nuda</i> P4	0.1	5	731487	7437133
	0.1	7	731419	7437144
	0.1	23	747816	7431581
	0.1	11	747848	7431582
	0.1	8	747881	7431583
	0.1	80	731142	7437189
	0.1	28	731138	7437208
	0.1	24	731548	7437103
	0.1	1	731563	7437035
	0.1	2	731133	7437038
	0.1	5	731497	7437041
	0.1	7	731389	7437038
	0.1	6	731311	7437115
	0.1	3	731420	7437068
	0.1	2	731489	7437065
	0.1	1	731495	7437066
	0.1	2	731482	7437094
	0.1	2	731479	7437092
	0.1	3	731440	7437093
	0.1	48	731473	7437036

Appendix O: Introduced Flora Species Locations and Descriptions

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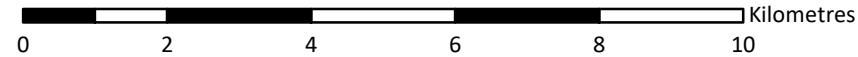
Rio Tinto
Rhodes Ridge NVCP, Flora

Figure O: Introduced Flora Species Locations

Author: L. Dadour

Drawn: C. Dyde




Scale: 1:105,000 at A3
Coordinate System: GDA 1994 MGA Zone 50









Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Flora_FigO_Weeds

Table O.1: Introduced flora recorded in the survey area.

Species	Description ¹	Habitat ¹
<p><i>*Bidens bipinnata</i> (bipinnate beggartick)</p> 	<p>Erect annual, herb, 0.1 m to 0.9(-1.5) m high. Flowers yellow, March to September.</p>	<p>Alluvium, clay, loam over sandstone, limestone. Along rivers and creeks, coastal areas, rocky hillsides.</p>
<p><i>*Cenchrus ciliaris</i> (buffel grass)</p> 	<p>Tufted or sometimes stoloniferous perennial, grass-like or herb, 0.2 m to 1.5 m high. Flowers purple, February to October.</p>	<p>White, red or brown sand, stony red loam, black cracking clay.</p>
<p><i>*Cenchrus setiger</i> (birdwood grass)</p> 	<p>Erect, tussocky, stoloniferous perennial, herb or grass-like, to 0.5 m high. Flowers cream-purple, April to May.</p>	<p>Brown sands, red loam, pindan soils. Sand dunes, plains, rangelands, stony hillsides, floodplains.</p>

Species	Description ¹	Habitat ¹
<p><i>*Chloris virgata</i> (feathertop Rhodes grass)</p> 	<p>Annual, grass-like or herb, (0.15-) 0.23-0.45 (-0.95) m high. Flowers green-purple, April to May or September.</p>	<p>Clay, sand. Sand dunes.</p>
<p><i>*Flaveria trinervia</i> (speedy weed)</p> 	<p>Erect/spreading annual herb, 0.15 - 0.8 m high, taproot, often purplish and divaricately branched stems, Flowers yellow, March to December.²</p>	<p>Saline, gypseous soils in disturbed areas, also near sources of water.²</p>
<p><i>*Malvastrum americanum</i> (spiked malvastrum)</p> 	<p>Erect perennial, herb or shrub, 0.5 m to 1.3 m high. Flowers yellow-orange, April to July.</p>	<p>Orange/red/yellow sands, gritty alluvial sand, black/brown clay, alluvial cracking clays, limestone, calcrete. Stony ridges and hillsides, floodplains, along drainage lines.</p>

Species	Description ¹	Habitat ¹
<p><i>*Setaria verticillata</i> (whorled pigeon grass)</p> 	<p>Loosely tufted annual, grass-like or herb, 0.1 m to 1.3 m high. Flowers December or January to June.</p>	<p>Sand, clay, loam.</p>
<p><i>*Tribulus terrestris</i> (caltrop)</p> 	<p>Prostrate annual, herb, plants villous; leaflet pairs 4-7; cocci with distinct divergent, median spines 3 mm to 8 mm long. Flowers yellow, January to December.</p>	<p>Often on sandy soils. Waste places.</p>
<p><i>*Vachellia farnesiana</i> (mimosa bush)</p> 	<p>Erect, spreading, thicket-forming, thorny tree or shrub, to 4 m high, bark dark grey, rough; leaves pinnate. Flowers yellow, June to August.</p>	<p>Stony sandy, clay or loam soils, gravel. Low-lying areas, river and creek banks, disturbed sites.</p>

¹ – FloraBase (Western Australian Herbarium 2021),

² – Speedy Weed - *Flaveria trinervia* (Astron Environmental Services 2021e)

Table O.2: Introduced flora recorded in the survey area (GDA94, Zone 50).

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>*Bidens bipinnata</i>	0.1	10	731642	7441643
	0.1	300	738825	7443344
	0.1	20	736499	7435659
	0.1	50	741836	7435751
	0.1	200	735359	7432621
	0.1	50	737918	7435921
	0.1	200	745856	7431839
	0.1	500	740806	7432704
	0.1	50	736281	7434688
	0.1	20	735190	7434913
	0.1	10	743868	7434752
	0.1	20	748847	7438089
	0.1	30	748852	7438234
	0.1	50	748796	7438240
	0.1	100	721001	7433554
	1.0	400	721489	7433663
	0.1	5	750308	7437647
	0.1	20	740768	7438420
	0.1	15	741646	7438441
	0.1	3	739889	7438207
	0.1	1000	740671	7438201
	0.1	1000	740689	7438218
	0.1	100	740707	7438292
	0.1	30	740732	7438320
	0.1	200	740700	7438267
	0.1	100	740693	7438221
	0.1	1	740158	7438452
	0.1	3	741237	7438438
	0.1	1	732735	7432318
	0.1	5	742066	7440151
	0.1	200	740780	7441050
	0.1	200	740703	7439825
	0.1	500	740776	7439738
	0.1	200	740330	7441716
	0.1	500	740752	7439648
	0.1	500	740721	7439636
	0.1	200	740724	7439841
	0.1	2500	740756	7439753
	0.1	500	740674	7439760
	0.1	350	740778	7439604
0.1	100	740093	7441066	
0.1	1000	740733	7439755	
0.1	2000	739531	7439291	
0.1	2000	739183	7439061	
0.1	100	738312	7439055	
0.1	2000	739095	7439153	
0.1	500	739176	7439230	

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2000	739182	7439176
	0.1	2000	739948	7439248
	0.1	100	738328	7439030
	0.1	2000	739488	7439195
	0.1	1000	739152	7439117
	0.1	1000	739571	7439339
	0.1	1000	739569	7439218
	0.1	1000	739552	7439188
	0.1	2000	739950	7439420
	0.1	1000	740034	7439458
	0.1	50	738296	7438924
	0.1	1000	739535	7439334
	0.1	500	739903	7439241
	0.1	500	739895	7441065
	0.1	1000	740365	7439592
	0.1	1000	739136	7439104
	0.1	2000	739524	7439143
	0.1	100	738346	7438851
	0.1	100	738367	7438880
	0.2	200	738709	7438693
	0.1	100	738372	7439096
	0.5	200	738711	7438745
	0.1	100	738361	7438861
	0.1	100	738382	7439016
	0.1	100	738378	7439023
	0.1	2000	741124	7441439
	0.1	100	738353	7439027
	0.1	100	738344	7439041
	0.1	200	741148	7441077
	0.1	200	741174	7439809
	0.1	20	738711	7438780
	0.1	100	738362	7439012
	0.1	30	738339	7439040
	0.1	200	741159	7441453
	1.5	150	738427	7438792
	0.1	1000	741967	7441353
	2.0	1000	742307	7439794
	2.5	1000	738356	7438791
	1.5	500	738869	7438871
	0.1	500	741915	7440120
	0.1	200	741927	7440067
	0.1	200	742051	7440131
	0.1	200	742322	7440012
	0.1	100	722753	7434851
	10.0	1000	743920	7439572
	0.1	100	722757	7434656
	0.1	350	727134	7437572
	0.1	1000	726724	7437971

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	727138	7438137
	0.1	200	726793	7438064
	0.1	1000	727153	7438113
	0.1	1000	727145	7437904
	0.1	500	727125	7438002
	0.1	100	743528	7440241
	0.1	50	722689	7431907
	0.1	1000	727134	7438099
	4.0	1000	727096	7438051
	0.1	1000	726740	7437904
	0.1	200	737910	7438788
	2.0	1000	727093	7438073
	0.1	500	736685	7444647
	0.1	2000	737112	7443747
	0.1	1000	737203	7442710
	0.1	1000	727925	7438131
	0.1	200	742549	7442473
	0.1	500	736673	7444678
	0.1	500	728332	7438124
	0.1	100	737112	7443504
	0.5	1000	729502	7438320
	0.5	1000	729499	7438048
	0.1	200	729148	7438245
	0.1	200	729143	7437908
	0.1	1000	729529	7438316
	0.1	1000	729533	7437962
	0.1	200	729129	7437635
	0.1	500	729123	7438243
	0.1	100	737855	7440456
	0.1	100	725594	7431596
	0.1	1000	725607	7431248
	0.1	1000	725587	7430950
	0.1	1000	725568	7431250
	0.1	1000	725569	7431949
	1.0	5000	723673	7431130
	1.0	5000	723650	7431174
	1.0	5000	723659	7431093
	1.0	1000	724604	7431465
	1.0	5000	724623	7431042
	1.0	5000	724626	7431161
	1.0	5000	724629	7431294
	1.0	5000	724624	7431345
	1.0	1000	724698	7431572
	1.0	5000	724699	7431441
	1.0	5000	724691	7431201
	1.0	5000	724731	7431039
	1.0	5000	724726	7431399
	1.0	5000	724724	7431608

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	500	724797	7431048
	1.0	1000	724814	7431082
	1.0	1000	724820	7431197
	0.1	100	725594	7431596
	0.1	1000	725588	7431325
	0.1	1000	725501	7431690
	0.1	1000	725487	7431106
	0.1	100	725599	7431575
	0.1	100	725618	7431546
	0.1	100	725625	7431322
	0.1	50	725510	7430937
	0.1	100	725534	7431485
	0.1	50	725510	7430937
	1.0	5000	723659	7431093
	0.1	1000	725588	7431325
	1.0	5000	723660	7431002
	0.1	1000	725569	7431949
	0.1	1000	725509	7431432
	0.1	100	725599	7431575
	0.1	100	725625	7431322
	0.1	100	725534	7431485
	0.1	50	725510	7430937
	0.1	100	725599	7431575
	0.1	100	725625	7431322
	0.1	100	725534	7431485
	0.1	100	725618	7431546
	0.1	100	725625	7431322
	0.1	100	725534	7431485
	0.1	50	725510	7430937
	1.0	100	723502	7430927
	1.0	100	723478	7431012
	1.0	100	723502	7430927
	1.0	100	723478	7431012
	1.0	100	723400	7430960
	1.0	100	723581	7431162
	1.0	1000	724484	7431173
	1.0	250	724464	7431143
	1.0	1000	724389	7431032
	1.0	1000	724377	7431098
	1.0	1000	724368	7431132
	1.0	1000	724360	7431201
	1.0	1000	724324	7431067
	1.0	1000	724102	7431161
	1.0	5000	724053	7430984
	1.0	1000	724050	7431176
	1.0	2500	724548	7431353
	0.1	100	722274	7431938
	1.0	2500	724548	7431353

**Bidens bipinnata*

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	2500	724548	7431353
	1.0	1000	724111	7431148
	1.0	5000	724053	7430984
	1.0	2500	724049	7431114
	0.1	1000	724554	7431171
	1.0	1000	723899	7431195
	0.1	2500	724527	7430925
	0.1	1000	724522	7431119
	1.0	5000	724074	7430957
	1.0	5000	724071	7431113
	0.1	1000	724433	7431075
	0.1	500	724407	7431026
	0.1	500	724408	7431126
	1.0	5000	723843	7431141
	0.1	1000	724270	7431044
	1.0	1000	723697	7431119
	0.1	100	723377	7430926
	0.1	100	723377	7430958
	1.0	5000	723659	7431093
	0.1	100	723177	7431007
	1.0	5000	723650	7430940
	0.1	100	723173	7430967
	1.0	1000	724493	7431361
	1.0	1000	724497	7431084
	1.0	1000	724462	7431044
	1.0	1000	724483	7431137
	1.0	1000	724474	7431260
	1.0	500	724475	7431373
	1.0	1000	724477	7431566
	1.0	1000	724461	7431372
	1.0	1000	724385	7430993
	1.0	1000	724355	7430920
	1.0	1000	724223	7431080
	1.0	1000	724222	7431033
	1.0	1000	724204	7430989
	1.0	1000	724111	7431148
	1.0	2500	724049	7431114
	1.0	2500	724548	7431353
	0.1	100	722172	7431779
	0.1	100	722177	7432563
	1.0	1000	724102	7431161
	1.0	2500	724548	7431353
	1.0	1000	724050	7431176
	0.1	1000	724549	7431021
	1.0	5000	723895	7431085
	1.0	5000	723910	7431015
	0.1	1000	724522	7431147
	1.0	5000	723896	7430944

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	724503	7431202
	0.1	1000	724525	7431314
	0.1	1000	724422	7431336
	1.0	5000	723977	7431110
	0.1	1000	724422	7431145
	1.0	5000	723977	7430929
	1.0	5000	723862	7430975
	1.0	5000	723879	7431055
	0.1	1000	724289	7431212
	1.0	5000	723847	7431051
	1.0	5000	723784	7430955
	0.1	1000	724002	7430911
	1.0	5000	723694	7431031
	1.0	5000	723673	7431130
	1.0	5000	723650	7431174
	0.1	100	723377	7431015
	1.0	5000	723660	7431002
	0.1	100	723094	7430961
	0.1	100	723082	7430995
	0.1	100	723076	7430965
	0.1	100	722991	7430934
	0.1	1000	724554	7431171
	0.1	1000	724549	7431021
	0.1	100	722273	7431850
	0.1	1000	724522	7431119
	0.1	1000	724522	7431147
	0.1	1000	724422	7431145
	0.1	1000	724433	7431075
	0.1	500	724407	7431026
	0.1	1000	724270	7431044
	0.1	1000	724002	7430911
	0.1	100	723096	7431023
	0.1	100	723082	7430995
	0.1	100	722991	7430934
	0.1	100	723000	7430972
	0.1	100	722273	7431850
	0.1	100	722172	7431779
	0.1	1000	724554	7431171
	0.1	2500	724527	7430925
	0.1	1000	724522	7431119
	0.1	100	723270	7430981
	0.1	1000	724525	7431314
	0.1	100	725594	7431596
	0.1	1000	724422	7431145
	0.1	2500	725598	7431521
	0.1	1000	725588	7431325
	0.1	500	724408	7431126
	0.1	1000	725587	7430950

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	725568	7431250
	0.1	1000	724270	7431044
	0.1	100	723082	7430995
	0.1	1000	725509	7431432
	0.1	100	723076	7430965
	0.1	100	722991	7430934
	0.1	100	723000	7430972
	1.0	5000	723673	7431130
	0.1	1000	724422	7431145
	1.0	5000	723659	7431093
	1.0	5000	723660	7431002
	1.0	5000	723650	7430940
	1.0	5000	724597	7431382
	1.0	1000	724698	7431572
	1.0	5000	724699	7431441
	1.0	5000	724691	7431201
	1.0	5000	724726	7431399
	0.1	1000	724554	7431171
	0.1	100	725594	7431596
	0.1	2500	725598	7431521
	0.1	1000	725588	7431325
	1.0	1000	724814	7431082
	0.1	1000	725607	7431248
	0.1	1000	724522	7431147
	1.0	50	753529	7439504
	0.1	1000	725568	7431250
	0.1	1000	724525	7431314
	1.0	100	753520	7439881
	1.0	100	753418	7439997
	0.1	1000	725509	7431432
	0.1	1000	725487	7431106
	0.1	500	724407	7431026
	0.1	500	724408	7431126
	0.1	1000	724002	7430911
	0.1	1000	724503	7431202
	1.0	5000	723650	7430940
	0.1	1000	725587	7430950
	0.1	1000	725568	7431250
	0.1	1000	724522	7431147
	0.1	1000	724522	7431119
	0.1	1000	725569	7431949
	0.1	1000	725501	7431690
	1.0	5000	724593	7431061
	0.1	100	723351	7430939
	0.1	500	724408	7431126
	0.1	1000	724270	7431044
	1.0	5000	724597	7431382
	0.1	1000	725487	7431106

**Bidens bipinnata*

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	100	723354	7430990
	0.1	1000	724433	7431075
	0.1	1000	724289	7431212
	1.0	1000	724589	7431866
	0.1	1000	724549	7431021
	0.1	100	722177	7432563
	0.1	100	725618	7431546
	1.0	1000	724589	7431866
	1.0	5000	723650	7430940
	0.1	100	722274	7431938
	1.0	5000	724731	7431039
	0.1	1000	724270	7431044
	1.0	5000	723660	7431002
	1.0	1000	724604	7431465
	0.1	1000	724503	7431202
	0.1	1000	724422	7431145
	0.1	1000	724002	7430911
	1.0	1000	724497	7431084
	0.1	100	723075	7430941
	0.1	1000	724522	7431119
	0.1	1000	724549	7431021
	0.1	100	723076	7430965
	0.1	1000	725487	7431106
	0.1	100	725618	7431546
	1.0	5000	724593	7431061
	0.1	1000	725501	7431690
	0.1	1000	725509	7431432
	0.1	1000	725509	7431432
	0.1	50	725510	7430937
	0.1	100	723095	7430967
	0.1	1000	725501	7431690
	1.0	5000	724623	7431042
	0.1	100	725599	7431575
	0.1	1000	725587	7430950
	1.0	1000	724801	7431528
	0.1	100	723096	7431023
	1.0	5000	724626	7431161
	1.0	1000	724820	7431197
	0.1	2500	724527	7430925
	1.0	100	723581	7431162
	0.1	1000	724289	7431212
	0.1	1000	725607	7431248
	1.0	5000	724629	7431294
	1.0	100	723571	7431023
	0.1	500	724408	7431126
	0.1	1000	724549	7431021
	0.1	1000	725587	7430950
	0.1	1000	725588	7431325

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	100	723494	7431030
	0.1	1000	724422	7431336
	1.0	5000	724624	7431345
	1.0	100	723400	7430960
	1.0	100	723581	7431162
	0.1	2500	725598	7431521
	1.0	100	723571	7431023
	1.0	500	724797	7431048
	0.1	1000	724522	7431147
	1.0	1000	724484	7431173
	0.1	100	725534	7431485
	1.0	1000	724493	7431361
	0.1	1000	724503	7431202
	0.1	1000	725568	7431250
	0.1	1000	725569	7431949
	1.0	100	723494	7431030
	0.1	1000	724422	7431336
	0.1	2500	725598	7431521
	0.1	1000	724525	7431314
	0.1	1000	725487	7431106
	0.1	1000	724525	7431314
	0.1	100	723095	7430967
	1.0	1000	724801	7431528
	0.1	100	723075	7430941
	0.1	1000	725501	7431690
	0.1	1000	724503	7431202
	0.1	1000	724002	7430911
	0.1	1000	724422	7431336
	0.1	1000	725569	7431949
	1.0	100	723571	7431023
	0.1	1000	724289	7431212
	1.0	5000	724724	7431608
	0.1	100	723000	7430972
	0.1	100	725599	7431575
	0.1	1000	725607	7431248
	0.1	2500	724527	7430925
	0.1	100	725618	7431546
	1.0	5000	723650	7431174
	0.1	500	724407	7431026
	0.1	100	725625	7431322
	0.1	1000	724433	7431075
	0.1	2500	724527	7430925
	1.0	5000	723673	7431130
	0.1	100	725594	7431596
	0.1	1000	724433	7431075
	1.0	5000	723650	7431174
	0.1	1000	724422	7431336
	0.1	2500	725598	7431521

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	724554	7431171
	0.1	1000	725607	7431248
	0.1	1000	724289	7431212
	0.1	500	724407	7431026
	1.0	5000	724593	7431061
	1.0	5000	724629	7431294
	1.0	1000	724698	7431572
	1.0	5000	724699	7431441
	0.1	100	722274	7431938
	0.1	100	722172	7431779
	0.1	100	722177	7432563
	1.0	5000	724726	7431399
	0.1	100	723354	7430990
	0.1	100	723351	7430939
	1.0	1000	724801	7431528
	0.1	100	723252	7431044
	1.0	1000	724814	7431082
	0.1	100	723253	7431021
	1.0	50	753529	7439504
	0.1	100	723377	7430958
	1.0	100	753520	7439881
	0.1	1000	724031	7431175
	0.1	2500	723834	7431154
* <i>Bidens bipinnata</i>	0.1	2500	723819	7431055
	0.1	2500	723804	7431178
	0.1	2500	723727	7430951
	0.1	100	723252	7431044
	0.1	100	723253	7431021
	0.1	100	723377	7430926
	0.1	100	723377	7430958
	0.1	100	723094	7430961
	0.1	100	723095	7430967
	0.1	1000	724031	7431175
	0.1	250	725412	7431179
	0.1	2500	723819	7431055
	0.1	2500	723804	7431178
	0.1	6	725179	7430929
	0.1	2500	723750	7431034
	0.1	500	725384	7431537
	0.1	1000	725394	7431479
	0.1	100	725371	7431749
	0.1	100	725379	7431863
	0.1	500	725261	7431423
	0.1	1000	725273	7431544
	0.1	1000	725202	7431519
	0.1	1000	725171	7431918
	0.1	1000	723947	7431138
	0.1	1000	724031	7431175

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2500	723834	7431154
	0.1	2500	723819	7431055
	0.1	2500	723727	7430951
	1.0	100	753225	7440338
	1.0	1000	724493	7431361
	0.1	250	725398	7430973
	1.0	1000	724462	7431044
	0.1	20	725392	7431802
	0.1	1000	723947	7431138
	1.0	1000	724483	7431137
	0.1	500	725384	7431537
	1.0	1000	724474	7431260
	0.1	1000	725394	7431479
	0.1	2500	723929	7431019
	1.0	500	724475	7431373
	0.1	2500	723834	7431154
	0.1	2500	723819	7431055
	1.0	1000	724461	7431372
	0.1	100	725300	7431875
	0.1	2500	723804	7431178
	0.1	2500	723750	7431034
	1.0	1000	724389	7431032
	1.0	1000	724377	7431098
	1.0	1000	724368	7431132
	0.1	1000	725172	7431282
	0.1	25	723150	7430986
	1.0	1000	724355	7430920
	1.0	1000	724324	7431067
	0.1	250	725412	7431179
	0.1	6	725179	7430929
	0.1	20	725392	7431802
	0.1	500	725384	7431537
	0.1	100	725371	7431749
	0.1	100	725379	7431863
	0.1	1000	725273	7431544
	0.1	500	725190	7431904
	0.1	1000	725171	7431918
	1.0	1000	724462	7431044
	1.0	1000	724474	7431260
	1.0	1000	724368	7431132
	0.1	250	725412	7431179
	1.0	1000	724360	7431201
	1.0	1000	724355	7430920
	1.0	1000	724223	7431080
	0.1	20	725392	7431802
	0.1	500	725190	7431904
	0.1	500	725384	7431537
	0.1	1000	725394	7431479

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	100	725317	7431505
	0.1	100	725300	7431875
	0.1	1000	725202	7431519
	0.1	1000	725172	7431282
	0.1	1000	725167	7431618
	0.1	1000	725171	7431918
	0.1	100	725145	7431303
	0.1	250	725412	7431179
	0.1	250	725398	7430973
	0.1	250	725297	7431085
	0.1	6	725179	7430929
	0.1	500	725384	7431537
	0.1	100	725146	7430960
	0.1	100	725317	7431505
	0.1	100	725145	7431303
	0.1	1000	725273	7431544
	0.1	100	725317	7431505
	0.1	100	725145	7431303
	0.1	100	725145	7431303
	1.0	100	723502	7430927
	1.0	100	723494	7431030
	1.0	100	723478	7431012
	1.0	100	723400	7430960
	1.0	100	723581	7431162
	1.0	100	723571	7431023
	1.0	100	723502	7430927
	1.0	100	723494	7431030
	1.0	100	723478	7431012
	0.1	250	725297	7431085
	0.1	1000	724031	7431175
	1.0	1000	724377	7431098
	1.0	5000	723862	7430975
	0.1	100	725317	7431505
	1.0	1000	724477	7431566
	0.1	1000	725394	7431479
	0.1	500	725190	7431904
	1.0	1000	724204	7430989
	0.1	100	725146	7430960
	0.1	1000	725202	7431519
	0.1	1000	725172	7431282
	0.1	500	725261	7431423
	0.1	1000	725273	7431544
	1.0	1000	724461	7431372
	0.1	100	725371	7431749
	1.0	100	723400	7430960
	0.1	100	725146	7430960
	0.1	100	725145	7431303
	0.1	100	725379	7431863

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	725172	7431282
	1.0	5000	723977	7431110
	0.1	250	725297	7431085
	0.1	500	725261	7431423
	0.1	1000	725167	7431618
	0.1	1000	725167	7431618
	1.0	500	724475	7431373
	1.0	1000	724324	7431067
	0.1	1000	725171	7431918
	0.1	500	725261	7431423
	0.1	2500	723727	7430951
	0.1	2500	723834	7431154
	0.1	250	725398	7430973
	0.1	100	725146	7430960
	0.1	2500	723929	7431019
	0.1	2500	723804	7431178
	1.0	5000	723895	7431085
	1.0	1000	724222	7431033
	1.0	5000	723879	7431055
	1.0	5000	724053	7430984
	1.0	5000	724074	7430957
	0.1	100	725379	7431863
	1.0	1000	724111	7431148
	0.1	100	725300	7431875
	0.1	6	725179	7430929
	1.0	5000	723694	7431031
	1.0	1000	724483	7431137
	0.1	100	725300	7431875
	0.1	100	725371	7431749
	1.0	1000	724389	7431032
	1.0	1000	724102	7431161
	1.0	1000	724385	7430993
	1.0	5000	723847	7431051
	1.0	250	724464	7431143
	0.1	20	725392	7431802
	0.1	1000	725394	7431479
	0.1	100	725317	7431505
	0.1	250	725398	7430973
	1.0	5000	723843	7431141
	1.0	5000	723784	7430955
	0.1	1000	725202	7431519
	0.1	100	725146	7430960
	0.1	250	725297	7431085
	0.1	1000	725167	7431618
	1.0	1000	724820	7431197
	0.1	100	723377	7430926
	0.1	25	723150	7430986
	0.1	25	723150	7430986

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	100	753418	7439997
	0.1	1000	723947	7431138
	0.1	1000	725171	7431918
	0.1	2500	723929	7431019
	0.1	2500	723750	7431034
	1.0	5000	723660	7431002
	0.1	100	725379	7431863
	1.0	1000	724477	7431566
	0.1	100	725371	7431749
	1.0	5000	723659	7431093
	0.1	1000	724031	7431175
	1.0	1000	724385	7430993
	1.0	250	724464	7431143
	0.1	6	725179	7430929
	1.0	5000	723650	7431174
	1.0	1000	724497	7431084
	1.0	1000	724484	7431173
	0.1	250	725412	7431179
	1.0	20	752000	7440431
	1.0	5000	723673	7431130
	0.1	1000	725273	7431544
	0.1	500	725261	7431423
	0.1	2500	723727	7430951
	0.1	2500	723750	7431034
	1.0	1000	723697	7431119
	0.1	2500	723804	7431178
	0.1	2500	723929	7431019
	0.1	500	725190	7431904
	0.1	1000	725167	7431618
	0.1	1000	725172	7431282
	0.1	500	725190	7431904
	0.1	1000	725202	7431519
	0.1	100	723354	7430990
	0.1	25	723150	7430986
	0.1	100	725300	7431875
	0.1	1000	723947	7431138
	1.0	5000	723977	7430929
	0.1	2500	723727	7430951
	0.1	20	725392	7431802
	0.1	2500	723819	7431055
	0.1	250	725297	7431085
	0.1	2500	723750	7431034
	1.0	5000	724071	7431113
	0.1	250	725398	7430973
	1.0	1000	724589	7431866
	1.0	1000	724223	7431080
	0.1	2500	723834	7431154
	1.0	1000	724604	7431465

**Bidens bipinnata*

Rio Tinto
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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	2500	723929	7431019
	0.1	100	723075	7430941
	1.0	5000	724597	7431382
	0.1	1000	723947	7431138
	1.0	5000	724623	7431042
	0.1	100	723096	7431023
	1.0	5000	724626	7431161
	0.1	25	723150	7430986
	1.0	5000	723896	7430944
	0.1	100	723173	7430967
	1.0	5000	724624	7431345
	0.1	100	723177	7431007
	1.0	5000	723910	7431015
	0.1	100	723377	7431015
	1.0	5000	724691	7431201
	1.0	1000	724360	7431201
	1.0	5000	723650	7430940
	1.0	5000	724731	7431039
	1.0	5000	724724	7431608
	0.1	100	723270	7430981
	1.0	500	724797	7431048
	1.0	1000	723899	7431195
	1.0	1000	724474	7431260
	1.0	20	752000	7440431
	0.1	2500	724650	7431147
	1.0	5000	724652	7431341
	1.0	500	724475	7431373
	1.0	100	753225	7440338
	1.0	5000	724644	7431450
	1.0	5000	724652	7431341
	1.0	1000	724820	7431197
	1.0	1000	724477	7431566
	0.1	100	723377	7431015
	0.1	100	723351	7430939
	1.0	1000	724849	7431473
	1.0	1000	724461	7431372
	0.1	100	723270	7430981
	1.0	5000	724724	7431608
	1.0	1000	724377	7431098
	0.1	100	723252	7431044
	1.0	5000	724691	7431201
	0.1	2500	724650	7431147
	0.1	1000	724846	7431163
	0.1	500	725085	7431646
	1.0	1000	724849	7431473
	1.0	5000	724679	7431472
	0.1	500	725081	7431322
	0.1	2500	724650	7431147

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	5000	724574	7431376
	0.1	500	725110	7431410
	1.0	5000	724629	7431294
	1.0	5000	724679	7431472
	1.0	5000	724624	7431345
	1.0	5000	724597	7431382
	1.0	2500	724748	7431055
	1.0	1000	724849	7431473
	0.1	500	725003	7431829
	1.0	1000	724698	7431572
	1.0	1000	724814	7431082
	1.0	1000	724497	7431084
	0.1	500	725072	7431166
	1.0	250	724464	7431143
	1.0	1000	724484	7431173
	0.1	500	725085	7431646
	1.0	5000	724699	7431441
	1.0	1000	724483	7431137
	0.1	100	723094	7430961
	0.1	500	724962	7431145
	1.0	1000	724385	7430993
	1.0	5000	723879	7431055
	1.0	1000	724389	7431032
* <i>Bidens bipinnata</i>	0.1	500	725093	7431770
	0.1	500	725009	7431179
	1.0	1000	724368	7431132
	0.1	500	725003	7431264
	1.0	1000	724360	7431201
	1.0	100	723502	7430927
	0.1	500	724962	7431145
	1.0	1000	723697	7431119
	0.1	500	725003	7431829
	1.0	5000	723847	7431051
	0.1	500	725078	7431666
	0.1	500	725078	7431666
	0.1	500	725081	7431322
	1.0	5000	723879	7431055
	0.1	500	725072	7431166
	0.1	500	725110	7431410
	0.1	500	725081	7431322
	1.0	100	723571	7431023
	1.0	5000	724074	7430957
	1.0	5000	723910	7431015
	1.0	5000	723895	7431085
	0.1	500	725072	7431166
	0.1	50	724951	7431336
	0.1	75	725034	7431571
	1.0	2500	724049	7431114

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	500	725110	7431410
	1.0	1000	724222	7431033
	0.1	2500	724650	7431147
	0.1	500	725093	7431770
	0.1	500	724962	7431145
	1.0	1000	724204	7430989
	0.1	500	725009	7431179
	0.1	500	725003	7431264
	0.1	500	725003	7431829
	0.1	500	725081	7431322
	0.1	500	725093	7431770
	1.0	1000	724102	7431161
	1.0	1000	724111	7431148
	0.1	500	725078	7431666
	1.0	2500	724049	7431114
	0.1	1000	724846	7431163
	0.1	100	723177	7431007
	1.0	5000	723895	7431085
	0.1	100	723173	7430967
	0.1	1000	724846	7431163
	1.0	5000	723910	7431015
	1.0	1000	724493	7431361
	1.0	5000	723896	7430944
	1.0	5000	724074	7430957
	1.0	1000	724462	7431044
	0.1	50	724951	7431336
	0.1	75	725034	7431571
	0.1	75	725122	7431488
	0.1	500	724921	7431038
	0.1	1000	724846	7431163
	0.1	50	724951	7431336
	0.1	75	725122	7431488
	0.1	75	725034	7431571
	1.0	500	724797	7431048
	0.1	100	723253	7431021
	0.1	500	725003	7431829
	1.0	5000	723977	7431110
	0.1	500	725003	7431264
	0.1	500	724921	7431038
	0.1	500	725093	7431770
	0.1	50	724951	7431336
	1.0	5000	723896	7430944
	0.1	500	725078	7431666
	1.0	5000	724071	7431113
	0.1	500	725003	7431264
	1.0	1000	723899	7431195
	1.0	5000	724053	7430984
	1.0	5000	724644	7431450

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	1000	724050	7431176
	1.0	5000	723694	7431031
	0.1	500	724921	7431038
	1.0	1000	724050	7431176
	1.0	5000	724644	7431450
	1.0	1000	724849	7431473
	1.0	5000	724623	7431042
	1.0	5000	724726	7431399
	0.1	500	725085	7431646
	1.0	5000	724626	7431161
	1.0	5000	724574	7431376
	1.0	5000	724574	7431376
	0.1	500	724921	7431038
	1.0	5000	724679	7431472
	1.0	5000	724593	7431061
	1.0	5000	724644	7431450
	0.1	500	725009	7431179
	1.0	5000	723862	7430975
	0.1	500	725009	7431179
	1.0	5000	723784	7430955
	1.0	5000	724071	7431113
	1.0	2500	724748	7431055
	0.1	500	725110	7431410
* <i>Bidens bipinnata</i>	1.0	5000	723862	7430975
	1.0	100	723494	7431030
	1.0	1000	724604	7431465
	1.0	1000	723899	7431195
	1.0	5000	723977	7430929
	1.0	1000	724589	7431866
	1.0	5000	724652	7431341
	1.0	5000	724679	7431472
	1.0	5000	723977	7431110
	1.0	2500	724748	7431055
	1.0	100	723581	7431162
	1.0	5000	723843	7431141
	0.1	500	725072	7431166
	1.0	1000	724801	7431528
	1.0	5000	724652	7431341
	1.0	5000	723977	7430929
	0.1	75	725122	7431488
	1.0	5000	724731	7431039
	1.0	5000	723843	7431141
	1.0	2500	724748	7431055
	0.1	500	724962	7431145
	0.1	75	725122	7431488
	0.1	75	725034	7431571
	0.1	500	725085	7431646
	1.0	5000	724574	7431376

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	5000	723847	7431051
	1.0	100	753418	7439997
	1.0	5000	723784	7430955
	1.0	50	753529	7439504
	1.0	1000	723697	7431119
	1.0	1000	724355	7430920
	1.0	100	753520	7439881
	1.0	1000	724223	7431080
	1.0	1000	724324	7431067
	1.0	100	753225	7440338
	1.0	20	752000	7440431
	1.0	1000	724222	7431033
	1.0	1000	724204	7430989
	1.0	5000	723694	7431031
	1.0	100	723400	7430960
	0.1	100	722991	7430934
	0.1	100	723096	7431023
	0.1	100	723094	7430961
	0.1	100	723173	7430967
	0.1	100	723377	7431015
	0.1	100	723377	7430958
	1.0	1000	724493	7431361
	0.1	100	723252	7431044
	0.1	100	723094	7430961
	0.1	100	723253	7431021
	0.1	100	723351	7430939
	0.1	100	723270	7430981
	0.1	100	723095	7430967
	0.1	100	723377	7430926
	0.1	100	723177	7431007
	0.1	100	723075	7430941
	0.1	100	723377	7430926
	0.1	100	723354	7430990
	1.0	1000	724484	7431173
	0.1	100	723253	7431021
	0.1	100	723252	7431044
	0.1	100	723351	7430939
	0.1	100	723076	7430965
	0.1	100	723354	7430990
	0.1	100	723377	7430958
	0.1	100	723082	7430995
	0.1	100	723270	7430981
	0.1	100	723177	7431007
	1.0	1000	724111	7431148
	0.1	100	723095	7430967
	0.1	100	723173	7430967
	0.1	100	723000	7430972
	0.1	100	723377	7431015

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	1.0	100	723478	7431012
	1.0	1000	724102	7431161
	1.0	5000	724074	7430957
	1.0	1000	724050	7431176
	1.0	5000	723895	7431085
	1.0	5000	723694	7431031
	1.0	5000	723977	7431110
	1.0	1000	723899	7431195
	1.0	5000	724053	7430984
	1.0	1000	723697	7431119
	1.0	2500	724049	7431114
	1.0	5000	723784	7430955
	1.0	5000	723862	7430975
	1.0	1000	724477	7431566
	1.0	250	724464	7431143
	1.0	1000	724497	7431084
	1.0	1000	724355	7430920
	1.0	1000	724385	7430993
	0.1	100	723096	7431023
	1.0	1000	724222	7431033
	1.0	1000	724461	7431372
	1.0	1000	724368	7431132
	1.0	5000	723896	7430944
* <i>Bidens bipinnata</i>	0.1	100	722273	7431850
	1.0	1000	724377	7431098
	1.0	1000	724389	7431032
	1.0	5000	723910	7431015
	1.0	500	724475	7431373
	1.0	1000	724474	7431260
	1.0	5000	724071	7431113
	1.0	5000	723977	7430929
	1.0	5000	723879	7431055
	1.0	5000	723843	7431141
	1.0	5000	723847	7431051
	1.0	1000	724483	7431137
	1.0	1000	724462	7431044
	1.0	1000	724204	7430989
	1.0	1000	724223	7431080
	1.0	1000	724324	7431067
	1.0	1000	724360	7431201
	0.1	100	722177	7432563
	0.1	100	722172	7431779
	0.1	100	722274	7431938
	0.1	100	722273	7431850
	0.1	100	723000	7430972
	0.1	100	722991	7430934
	0.1	100	723075	7430941
	0.1	100	723082	7430995

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	100	723076	7430965
	0.1	50	731873	7436276
	0.1	500	732402	7435034
	0.1	200	737941	7436000
	0.1	100	736291	7434649
	0.1	500	739392	7435153
	0.1	100	741750	7435695
	0.1	100	738779	7435192
	0.1	20	742579	7435497
	0.1	50	744193	7434887
	0.1	20	743967	7434953
	0.1	20	729086	7433309
	2.0	5000	742386	7432171
	0.5	20	744225	7432414
	0.1	20	737958	7431699
	2.0	5000	725257	7431585
	0.1	10	751260	7433050
	5.0	200	751355	7432919
	2.0	2000	747721	7440497
	1.0	4000	748165	7440338
	0.1	2	733888	7434861
	1.0	1000	734621	7436378
	0.1	30	739209	7434439
* <i>Bidens bipinnata</i>	0.1	5	749966	7433133
	1.0	6000	747941	7433398
	0.1	120	733846	7432324
	1.0	1000	735021	7432642
	0.1	55	731065	7437732
	0.1	5	734029	7432184
	0.2	225	730228	7433362
	0.1	100	745351	7439327
	0.1	1000	747574	7438954
	1.0	500	740355	7436375
	1.0	500	738135	7437106
	0.1	500	750536	7432770
	0.1	100	736891	7438678
	0.1	160	744689	7435884
	0.1	40	722598	7431519
	0.1	20	732872	7433531
	1.0	2000	734834	7438337
	0.1	150	724301	7431903
	0.1	150	745598	7439029
	0.1	5000	738832	7435974
	0.1	8	727678	7437554
	0.1	500	730936	7436649
	0.1	100	731722	7437666
	0.1	500	741404	7440250
	1.0	2000	743448	7441467

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	100	746865	7440157
	0.1	500	750134	7440317
	0.1	500	749974	7439528
	0.1	50	751529	7440826
	0.1	1	752630	7441236
	0.1	6	753718	7440314
	0.5	1000	752671	7441930
	0.1	50	750054	7441772
	0.1	10	747185	7441520
	0.1	200	746508	7441542
	1.0	1000	753550	7443311
	0.1	1000	740774	7439825
	0.1	150	755686	7443045
	1.0	5000	741829	7441307
	0.1	300	733686	7435843
	1.0	2000	735647	7436428
	0.1	10	737411	7434294
	0.5	1000	736316	7436371
	0.1	100	741689	7434773
	2.0	1000	737970	7436160
	0.1	100	739751	7436051
	0.1	200	739618	7436033
	0.1	100	740303	7435898
	1.0	100	743730	7435136
	0.1	50	753198	7438410
	0.1	10	737322	7439105
	0.1	200	754345	7437957
	0.1	100	739940	7433165
	0.1	30	740079	7442132
	0.1	25	739910	7443628
	0.1	1000	739888	7444929
	0.1	100	741992	7443807
	0.1	20	752617	7443867
	1.0	1500	740485	7443480
	0.1	200	738155	7442214
	0.1	5	730302	7445088
	0.1	50	733945	7444806
	0.1	100	734718	7445770
	0.1	10	737398	7444060
	0.1	25	732008	7443963
	0.1	500	735635	7445195
	0.5	1500	737464	7445127
	0.1	50	732433	7445112
	0.1	500	750561	7432143
	0.5	500	720497	7434351
	0.1	4	739142	7444710
	0.1	4	740483	7444545
	0.1	1	743914	7444142

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	10	740157	7441037
	0.1	100	739628	7442249
	0.1	5	748933	7438111
	0.1	460	755195	7444627
	0.1	300	750193	7437571
	0.1	1	732932	7433589
	0.1	9	737164	7433718
	0.1	150	733796	7435839
	0.1	100	731181	7435504
	0.1	50	736877	7435087
	0.1	5	748739	7431992
	0.1	50	728630	7434405
	0.1	200	737524	7433325
	1.0	1000	728200	7435871
	0.1	100	736486	7433736
	0.1	50	728522	7434908
	0.1	500	727821	7436667
	0.5	1000	743601	7443602
	0.1	10	741198	7444081
	0.5	3000	736839	7435018
	0.1	100	737728	7435187
	0.1	200	750711	7434117
	0.1	1000	747872	7436311
	0.1	2000	743041	7438006
	0.1	100	740068	7437621
	0.1	5	753420	7437192
	0.1	1	751780	7445434
	0.1	1	723311	7435927
	0.1	90	721383	7436040
	0.1	20	728179	7434608
	0.1	300	719202	7430379
	0.5	400	721543	7433954
	0.1	20	752760	7442537
	0.1	250	751033	7432711
	0.1	100	730080	7435253
	0.1	500	731727	7434918
	0.1	5000	731730	7434812
	0.1	5000	731732	7434735
	0.1	5000	731730	7434672
	0.1	5000	731750	7434751
	0.1	5000	731745	7434850
	0.1	5000	731827	7434824
	0.1	50	731926	7435263
	0.1	5000	731926	7434895
	0.1	100	731923	7434771
	0.1	5000	731928	7434661
	0.1	5000	731943	7434691
	0.1	100	731943	7434802

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	732047	7434710
	0.1	1000	732050	7434840
	0.1	500	732132	7434921
	0.1	1000	732148	7434588
	0.1	5000	732143	7434658
	0.1	1000	732144	7434932
	0.1	1000	732151	7435042
	0.1	1000	732153	7435116
	0.1	1000	731247	7434753
	0.1	5000	731246	7434893
	0.1	1000	731246	7434923
	0.1	500	730730	7434788
	0.1	500	730730	7435294
	0.1	5000	731421	7435224
	0.1	100	730651	7435091
	0.1	500	731448	7434617
	0.1	250	730576	7435166
	0.1	100	730541	7434829
	0.1	500	731444	7434895
	0.1	100	730475	7434936
	0.1	100	730473	7435087
	0.1	100	730428	7434685
	0.1	50	731520	7435154
* <i>Bidens bipinnata</i>	0.1	1000	730428	7435226
	0.1	1000	731527	7434932
	0.1	1000	730372	7435226
	0.1	100	730326	7435092
	0.1	100	731526	7434668
	0.1	1000	730329	7435203
	0.1	500	730273	7435197
	0.1	250	730275	7435261
	0.1	500	730175	7434828
	0.1	1000	731547	7435143
	0.1	5000	731556	7435345
	0.1	1000	731618	7435074
	0.1	1000	732034	7434769
	0.1	5000	731626	7434801
	0.1	5000	731653	7434631
	0.1	5000	731649	7434754
	0.1	1000	731649	7434789
	0.1	2	732223	7435033
	0.1	1000	732228	7434857
	0.1	1000	732229	7434636
	0.1	5000	732253	7434698
	0.1	5000	732243	7434772
	0.1	10	732244	7435017
	0.1	1000	732323	7434866
	0.1	5000	732324	7434568

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	732346	7434805
	0.1	1000	732348	7434990
	0.1	5000	732420	7434996
	0.1	5000	732421	7434810
	0.1	5000	732422	7434733
	0.1	5000	732447	7434548
	0.1	5000	732449	7434752
	0.1	5000	732449	7434824
	0.1	5000	732520	7434955
	0.1	5000	732523	7434800
	0.1	1000	732526	7434651
	0.1	5000	732547	7434566
	0.1	5000	732544	7434748
	0.1	5000	732547	7434860
	0.1	5000	732553	7434963
	0.1	5000	732625	7434935
	0.1	5000	732620	7434903
	0.1	1000	732629	7434744
	0.1	5000	732650	7434714
	0.1	5000	732645	7434815
	0.1	5000	732648	7434900
	0.1	5000	732720	7434852
	0.1	5000	732730	7434755
	0.1	1000	732729	7434554
	0.1	5000	732747	7434650
	0.1	5000	732746	7434741
	0.1	5000	732827	7434928
	0.1	5000	732822	7434740
	0.1	5000	732849	7434745
	0.1	5000	732847	7434907
	0.1	5000	732932	7434705
	0.1	5000	732949	7434638
	0.1	1000	732953	7434799
	0.1	5000	733021	7434783
	0.1	5000	733027	7434576
	0.1	5000	733051	7434703
	0.1	5000	733126	7434769
	0.1	5000	733223	7434842
	0.1	5000	733258	7434777
	0.1	5000	733326	7434830
	0.1	1000	733357	7434499
	0.1	5000	733434	7434736
	0.1	5000	733449	7434660
	0.1	100	734051	7435512
	0.1	1000	734076	7435409
	0.1	1000	734157	7434981
	0.1	100	730798	7434704
	0.1	500	730823	7435109

**Bidens bipinnata*

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1000	730824	7434723
	0.1	100	730850	7434719
	0.1	500	730874	7435102
	0.1	500	730874	7434733
	0.1	1000	730899	7435045
	0.1	1000	730923	7435179
	0.1	100	730950	7434742
	0.1	1000	730943	7435011
	0.1	500	730963	7435199
	0.1	500	730972	7435026
	0.1	500	734002	7434965
	0.1	500	734001	7435417
	0.1	100	734001	7435563
	0.1	100	733949	7434954
	0.1	500	733906	7435305
	0.1	100	733753	7435177
	0.1	100	733751	7435122
	0.1	100	733700	7435236
	0.1	100	734576	7434614
	0.1	100	734694	7435498
	0.1	1000	734542	7434589
	0.1	5000	734545	7435568
	0.1	20	734546	7435126
* <i>Bidens bipinnata</i>	0.1	1000	734297	7434930
	0.1	1000	734300	7435006
	0.1	5000	734296	7435359
	0.1	5000	734275	7435440
	0.1	5000	734286	7434850
	0.1	100	734397	7434534
	0.1	5000	732363	7435092
	0.1	100	734399	7434832
	0.1	250	734398	7434944
	0.1	5000	732804	7435012
	0.1	5000	732953	7435037
	0.1	5000	733397	7435010
	0.1	1000	734600	7435386
	0.1	200	732279	7435044
	0.1	500	732852	7435079
	0.1	500	732894	7435052
	0.1	5000	734547	7434856
	0.1	1000	733155	7435263
	0.1	5000	733249	7435292
	0.1	100	733154	7435192
	0.1	5000	733256	7435413
	0.1	150	733149	7434950
	0.1	1000	733452	7435471
	0.1	100	733204	7434955
	0.1	200	747941	7431615

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>*Bidens bipinnata</i>	0.1	20	749788	7432905
	0.5	250	749094	7431557
	0.5	500	750012	7433299
	0.5	500	750118	7433290
	0.5	500	750179	7433550
	0.5	500	750053	7433350
	0.5	500	749492	7432169
	0.5	150	731415	7437142
	0.5	150	731355	7437083
	0.5	500	749120	7441244
	0.1	50	750503	7441719
	0.5	150	753300	7440029
	0.1	200	750844	7440991
	0.5	500	753353	7439991
	0.5	500	753262	7439938
	<i>*Cenchrus ciliaris</i>	0.1	1000	753379
0.1		6	743315	7435380
0.1		20	730449	7436658
0.5		50	743191	7434839
0.1		50	751340	7432887
0.5		55	744071	7435898
20.0		100	744264	7439053
1.0		30	737882	7438349
1.0		50	737524	7440710
0.1		20	737520	7440729
0.1		10	737555	7440723
0.1		10	740402	7440266
0.1		10	738307	7439698
0.1		20	738302	7439724
0.1		11	741123	7441146
0.1		2	737958	7438601
0.1		1	744379	7439579
0.1		20	744343	7439178
0.1		10	744336	7439132
1.0		50	729928	7437951
1.0		3	729908	7437996
0.1		1	723011	7431019
0.1		1	723011	7431019
0.1		1	723011	7431019
0.1		1	723399	7431061
0.1		1	723399	7431061
0.1		1	723399	7431061
0.1		1	723011	7431019
0.1		3	725414	7431330
0.1		3	725414	7431330
0.1	3	725414	7431330	
0.1	3	725414	7431330	
0.1	3	725414	7431330	

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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
	0.1	1	723011	7431019
	0.1	1	723399	7431061
	0.1	1	723399	7431061
	1.0	10	723481	7430934
	1.0	10	723481	7430934
	1.0	10	723481	7430934
	1.0	10	723481	7430934
	1.0	10	723481	7430934
	0.1	10	732961	7435863
	0.1	2	733569	7435914
	0.1	8	735589	7436273
	0.1	2	736349	7436094
	0.1	2	745770	7433979
	0.1	8	735419	7432264
	0.1	25	730513	7436528
	0.1	20	737067	7433564
	0.1	15	730461	7436624
	1.0	30	736264	7433194
	0.5	25	730451	7436660
	0.1	10	736525	7432960
	0.1	20	751519	7432930
	0.1	50	751452	7432927
	0.1	32	744112	7435764
	0.1	20	743992	7436006
	0.1	15	744225	7432414
	0.1	3	725257	7431585
	0.1	63	751355	7432919
	0.1	1	733888	7434861
	0.1	20	735021	7432642
	0.1	10	734029	7432184
	0.1	60	741404	7440250
	0.1	1	750134	7440317
	0.1	2	752671	7441930
	0.1	10	740774	7439825
	0.1	10	736316	7436371
	3.0	50	741689	7434773
	0.1	50	740079	7442132
	0.1	4	740483	7444545
	0.1	5	755195	7444627
	0.1	1	733874	7434867
	0.1	20	728200	7435871
	0.1	25	736486	7433736
	4.0	30	739650	7442333
	0.1	1	730174	7435299
	0.5	40	733900	7435266
	0.5	100	733302	7435538
	20.0	2000	733251	7435518
	0.1	55	733145	7435283

**Cenchrus ciliaris*

Rio Tinto
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Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
* <i>Cenchrus ciliaris</i>	0.1	25	749436	7431810
	0.1	30	749425	7431775
	0.1	40	749356	7431777
	0.1	4	753349	7440750
	0.1	1	753379	7440011
* <i>Cenchrus setiger</i>	0.1	5	736839	7435018
* <i>Chloris virgata</i>	0.1	1	743275	7432196
	0.1	1	742386	7432171
	0.1	1	744225	7432414
	0.1	100	747721	7440497
	0.1	50	748165	7440338
	0.1	60	747941	7433398
	0.1	1	740355	7436375
	0.1	2	750536	7432770
	0.1	5	734834	7438337
	4.0	400	738832	7435974
	0.1	1	738832	7435974
	0.1	1	743448	7441467
	0.1	1	750134	7440317
	5.0	100	736316	7436371
	0.1	1	737970	7436160
	0.1	1	739618	7436033
	0.1	1	743730	7435136
	0.1	1	737322	7439105
	0.1	1	733945	7444806
	0.1	1	737464	7445127
	0.1	1	724614	7435323
0.1	100	748114	7440233	
0.1	20	753295	7439904	
* <i>Flaveria trinervia</i>	0.1	7	740303	7435898
	0.1	2	750193	7437571
	0.1	4	733874	7434867
	0.1	1	732246	7440643
* <i>Malvastrum americanum</i>	0.1	10	731642	7441643
	0.1	500	738825	7443344
	0.1	1	732734	7432318
	0.1	40	738932	7443346
	0.1	400	738654	7443381
	0.1	2	735599	7444939
	0.1	2	735875	7444675
	0.1	1	735771	7444740
	0.1	1	735772	7444729
	0.1	5	751895	7440399
	0.1	5	751895	7440399
	0.1	5	751905	7440619
	0.1	5	751905	7440619
	0.1	5	751895	7440399
0.1	5	751905	7440619	

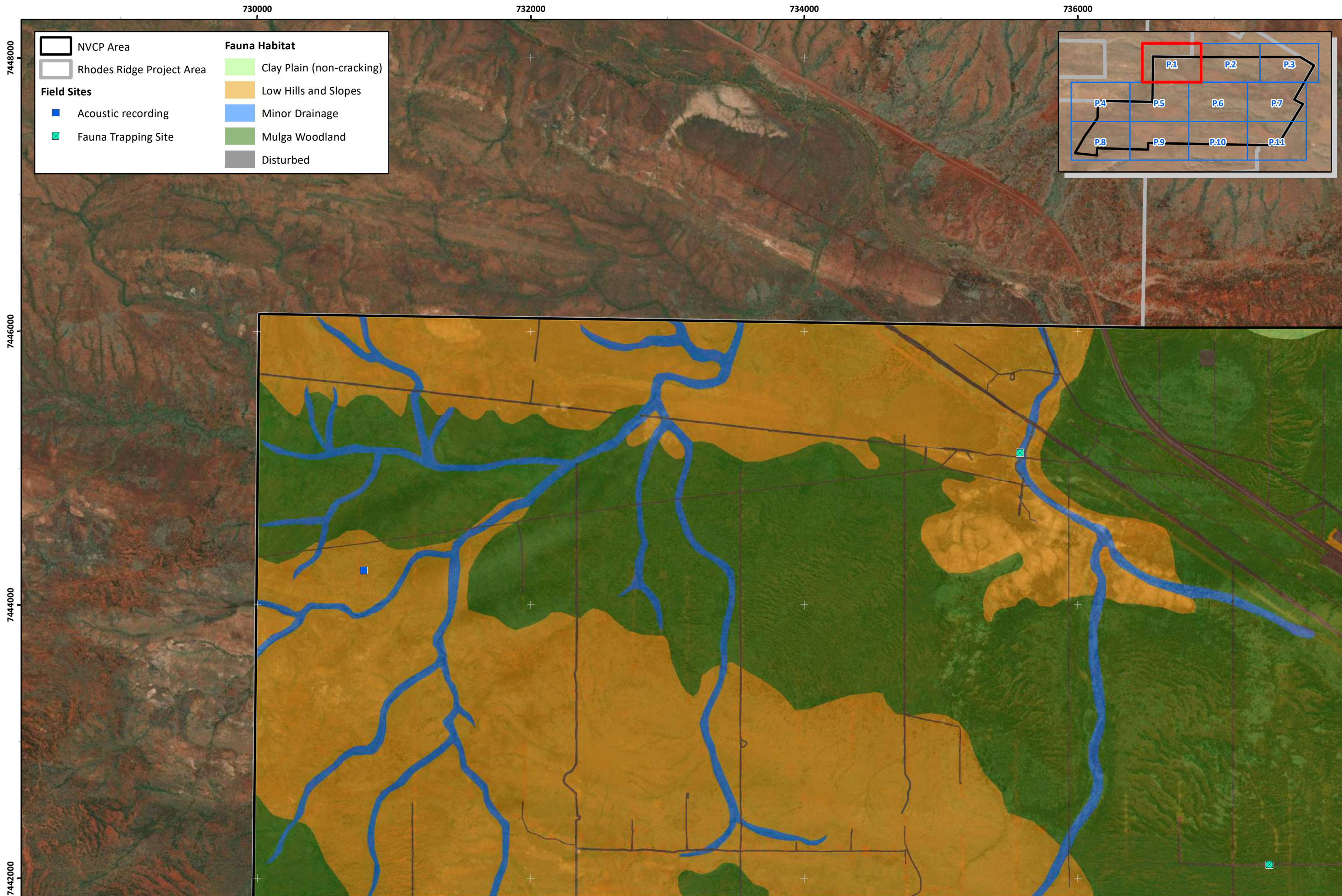
Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>*Malvastrum americanum</i>	0.1	25	745498	7440890
	0.1	20	733986	7435568
	0.1	100	734008	7435637
	0.1	100	734061	7435701
	0.1	30	736523	7433837
	0.1	30	747721	7440497
	0.1	30	733807	7435505
	0.1	30	734621	7436378
	0.1	15	747941	7433398
	0.1	1	733846	7432324
	0.1	50	724301	7431903
	0.1	1	743448	7441467
	0.1	1	750134	7440317
	0.1	200	733686	7435843
	0.1	2	733710	7434924
	0.1	5	741689	7434773
	0.1	1	739618	7436033
	0.1	20	739940	7433165
	0.1	50	730302	7445088
	0.1	72	735635	7445195
	0.1	100	732433	7445112
	0.1	120	750193	7437571
	0.1	1	733796	7435839
	0.1	1	747294	7433707
	0.1	10	748090	7440175
	0.1	20	747254	7433705
	0.1	22	733748	7435075
	0.1	45	734001	7435563
	0.1	25	733832	7435191
	0.1	5	733729	7435144
	0.1	25	733731	7435243
	0.1	50	733700	7435236
0.1	20	733249	7435189	
0.1	50	749460	7432017	
0.1	1	753349	7440750	
0.1	10	753353	7439991	
<i>*Setaria verticillata</i>	0.1	2	735393	7432007
	0.1	25	725273	7431593
	0.1	25	725273	7431593
	0.1	25	725273	7431593
	0.1	25	725273	7431593
	0.1	25	725273	7431593
	0.1	1	737931	7435972
	0.5	500	725257	7431585
	0.1	20	747721	7440497
	0.1	8	748165	7440338
	0.1	6	734621	7436378
	0.1	30	739209	7434439

Species	Cover (%)	Abundance	Easting (mE)	Northing (mN)
<i>*Setaria verticillata</i>	0.1	1	739209	7434439
	0.1	40	747941	7433398
	0.1	200	738832	7435974
	0.1	4	740774	7439825
	0.1	3	733686	7435843
	0.1	1	736316	7436371
	0.1	7	739618	7436033
	0.5	75	743730	7435136
	0.1	5	739940	7433165
	0.1	1	736486	7433736
	0.1	20	730372	7435226
	0.1	50	733906	7435370
	0.1	5	732518	7434645
	0.1	50	734001	7435563
	0.5	100	730852	7434700
	0.1	50	734002	7435417
	0.1	50	733949	7434954
	0.1	50	733700	7435236
	0.1	50	733496	7434985
	0.1	10	733101	7435035
	0.1	150	734396	7434578
	0.1	100	732947	7435053
	0.1	100	733103	7435203
	0.1	10	733253	7435009
	0.1	100	733204	7434955
0.1	3	749417	7432077	
0.1	5	749468	7432082	
<i>*Tribulus terrestris</i>	0.1	1	733888	7434861
	0.1	1	744689	7435884
	0.5	1	733874	7434867
	0.1	1	732932	7433589
	0.1	1	737164	7433718
	0.5	1	733796	7435839
	1.0	1	736689	7434289
<i>*Vachellia farnesiana</i>	0.1	1	722503	7437004
	0.1	8	735635	7445195

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Appendix P: Fauna Habitat Mapping, Site Locations and Significant Fauna Locations

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Rio Tinto
 Rhodes Ridge NVCP, Fauna

Figure P.1: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

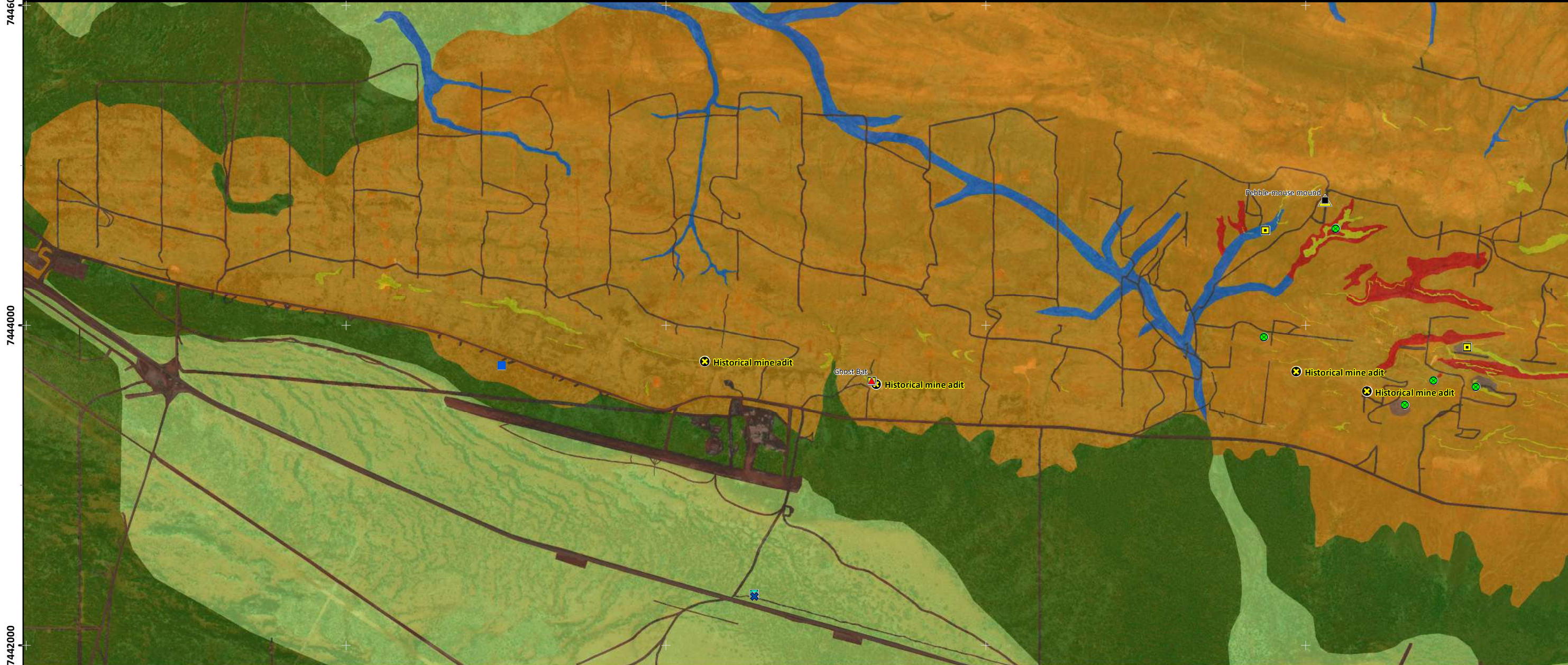
Author: D. Keirle

Drawn: C. Dyde

Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP





Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.2: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

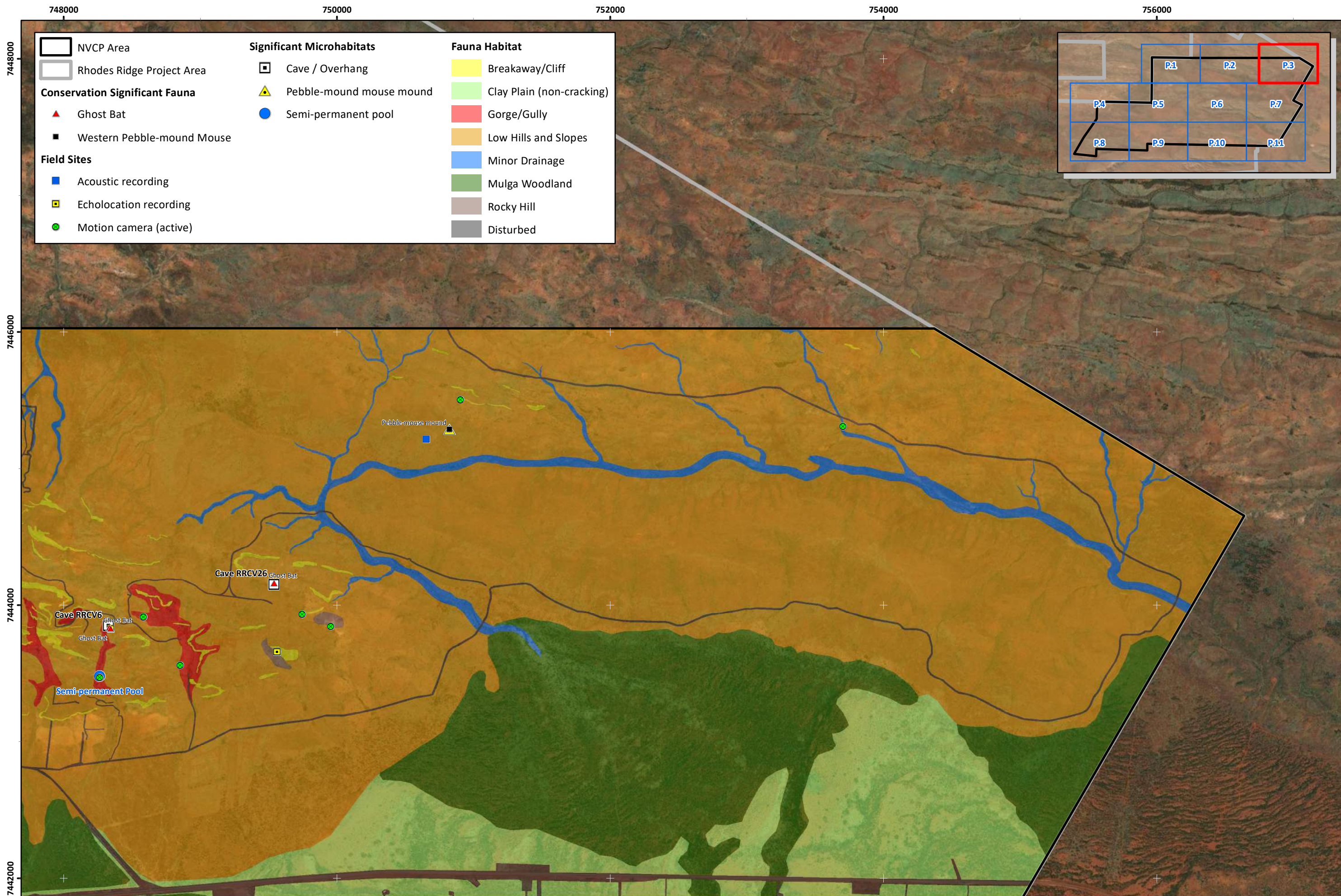
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
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Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.3: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

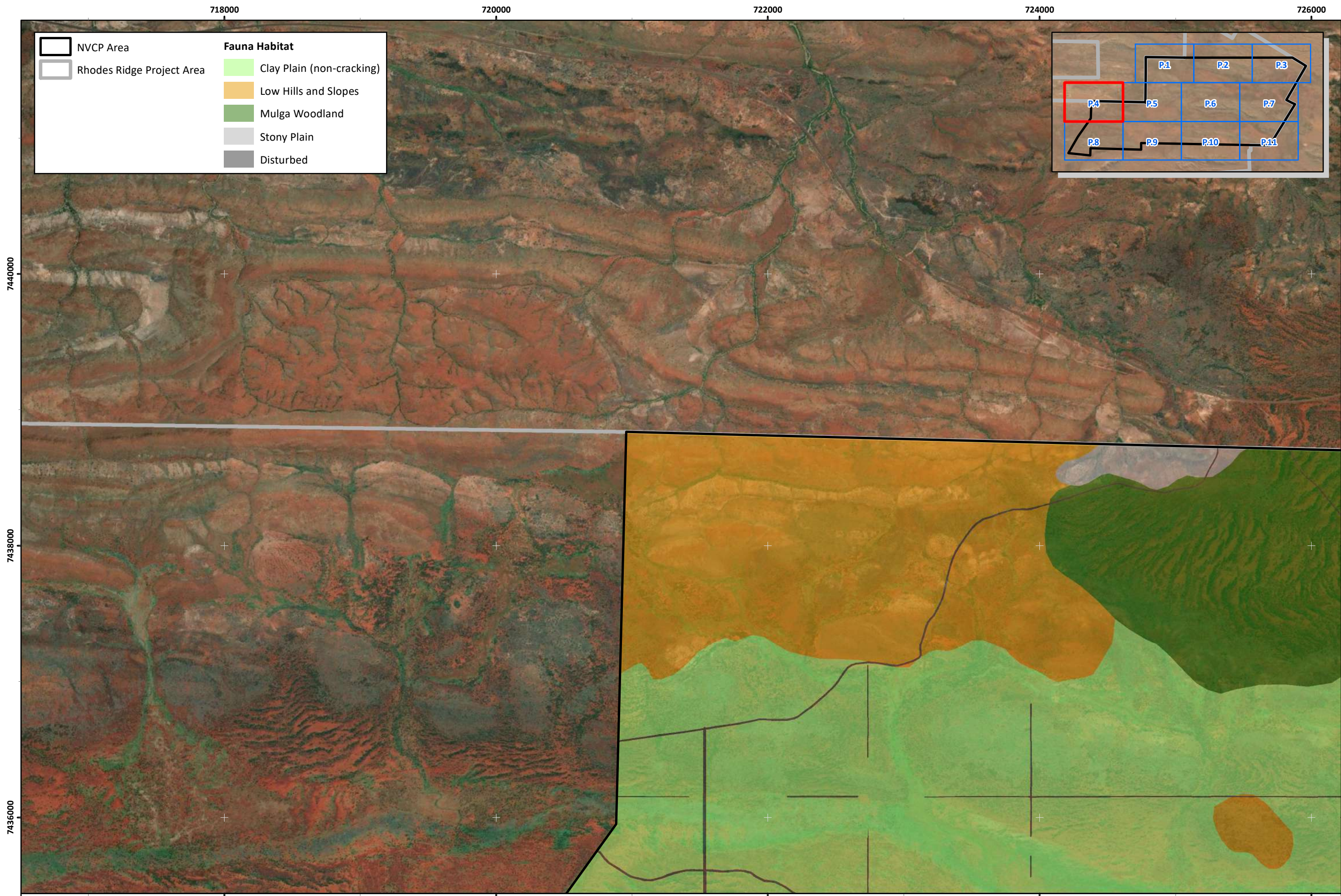
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.4: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

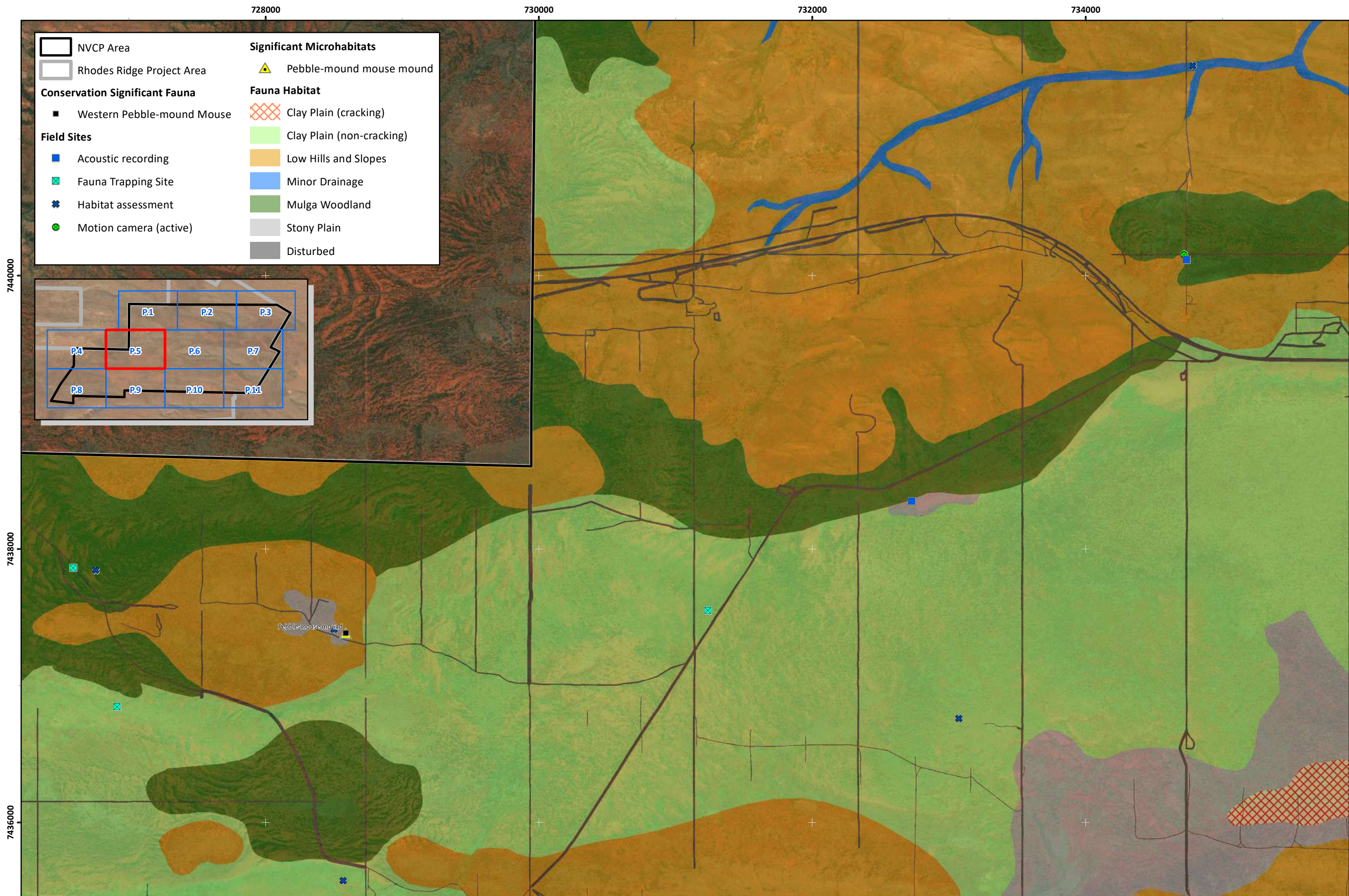
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.5: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

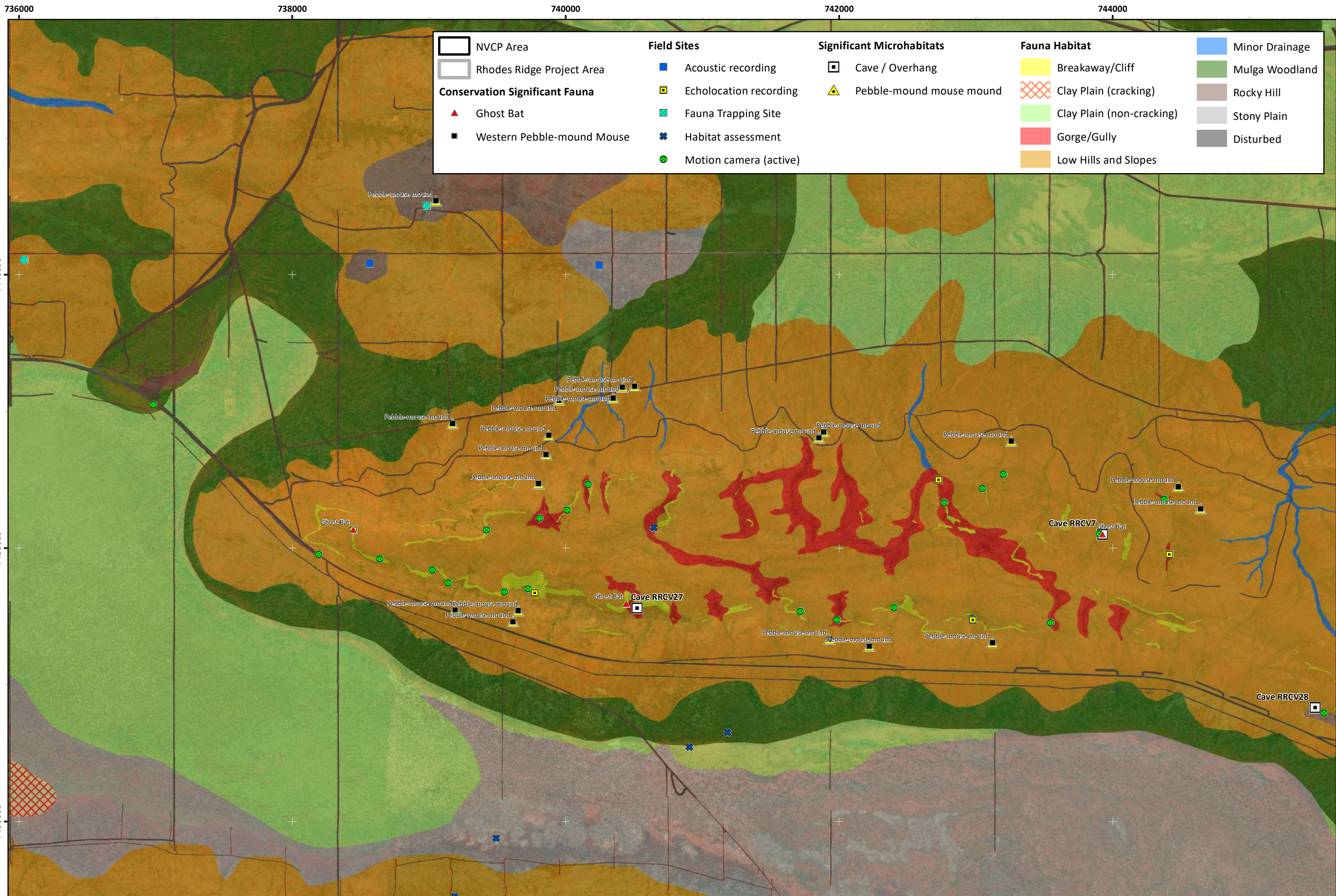
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.6: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

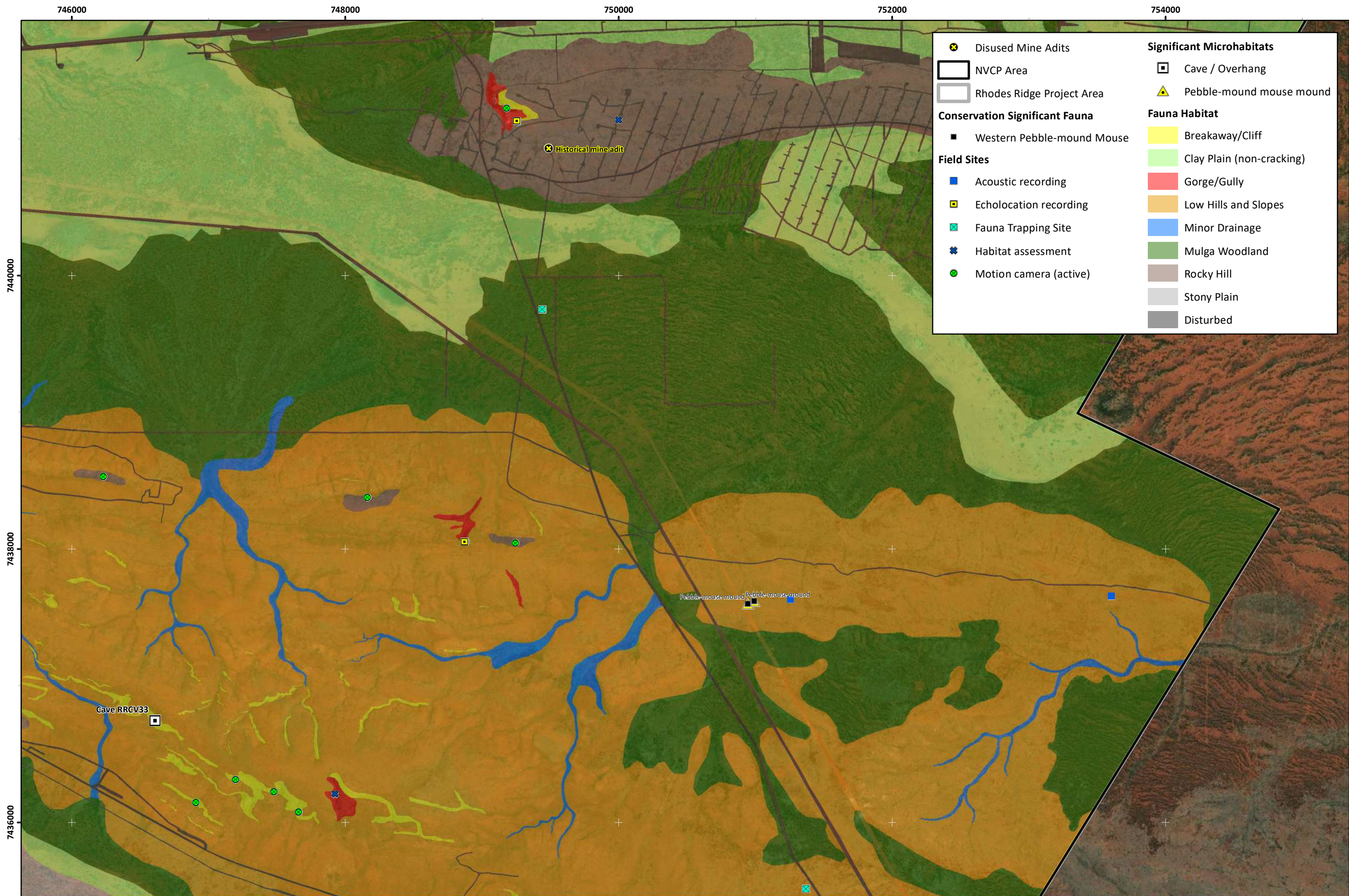
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
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Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.7: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

Drawn: C. Dyde

Scale: 1:25,000 at A3

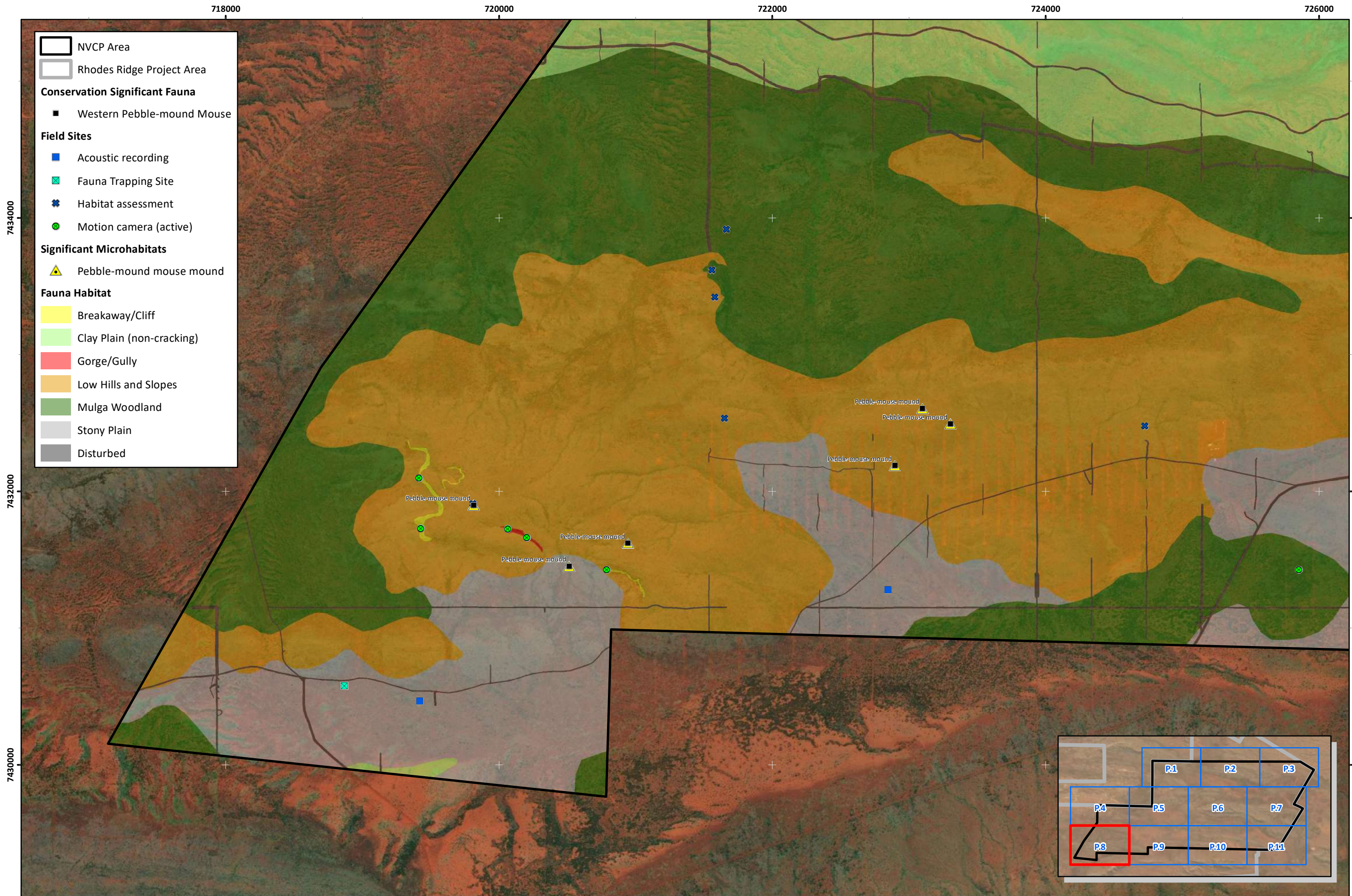
Coordinate System: GDA 1994 MGA Zone 50

0 250 500 750 1,000 Metres



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.8: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

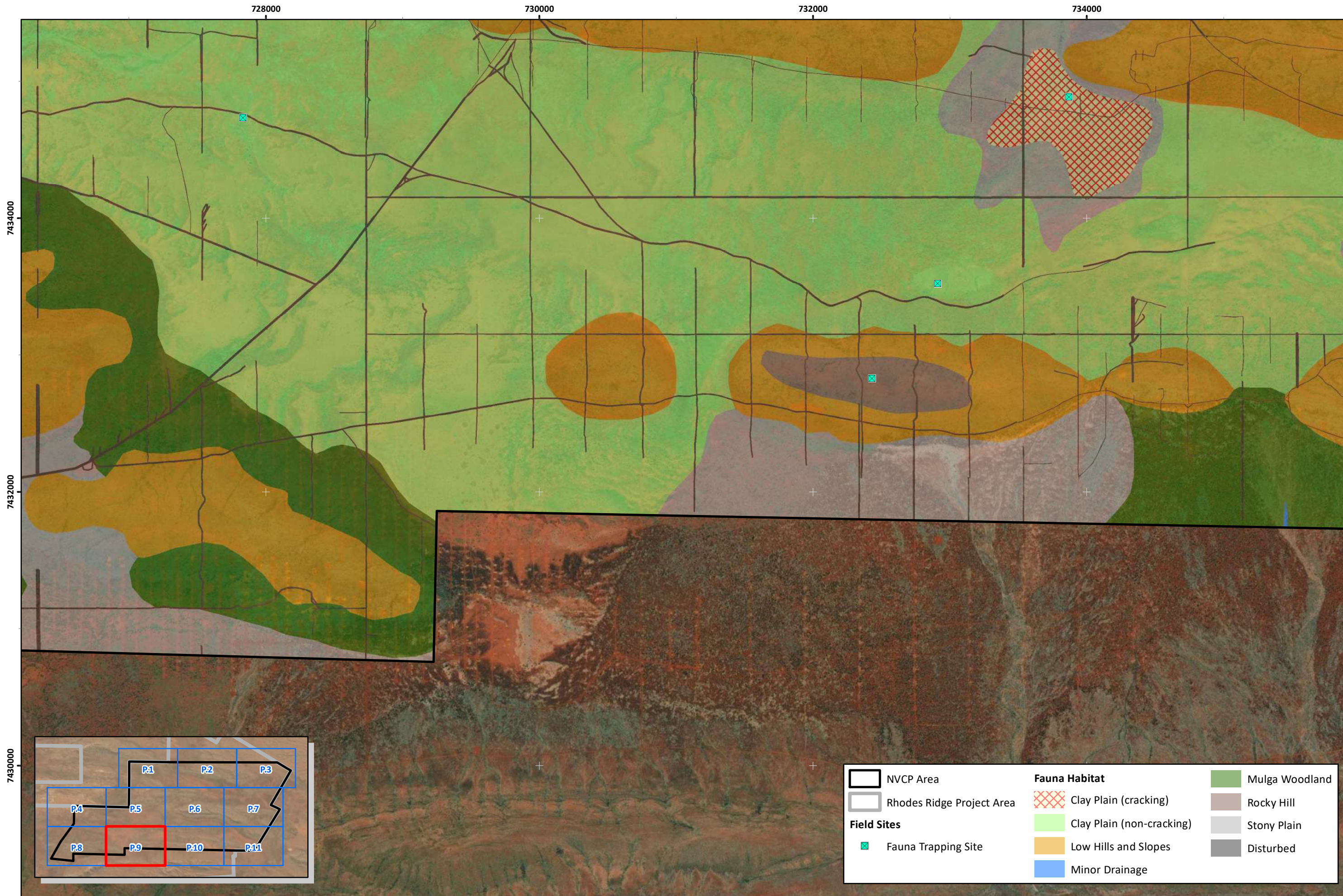
Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.9: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

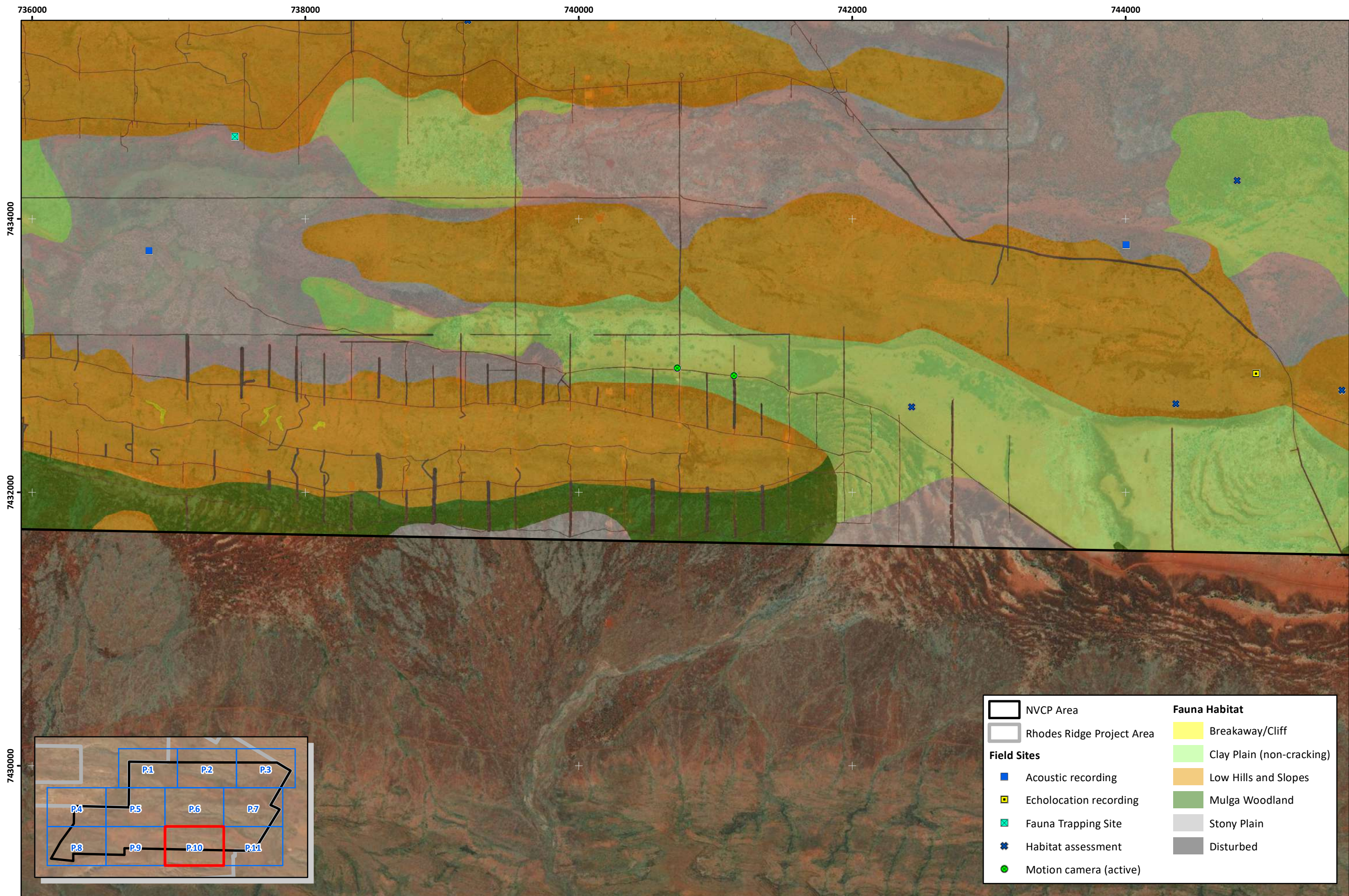
Drawn: C. Dyde

Date: 21-03-2022

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.10: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

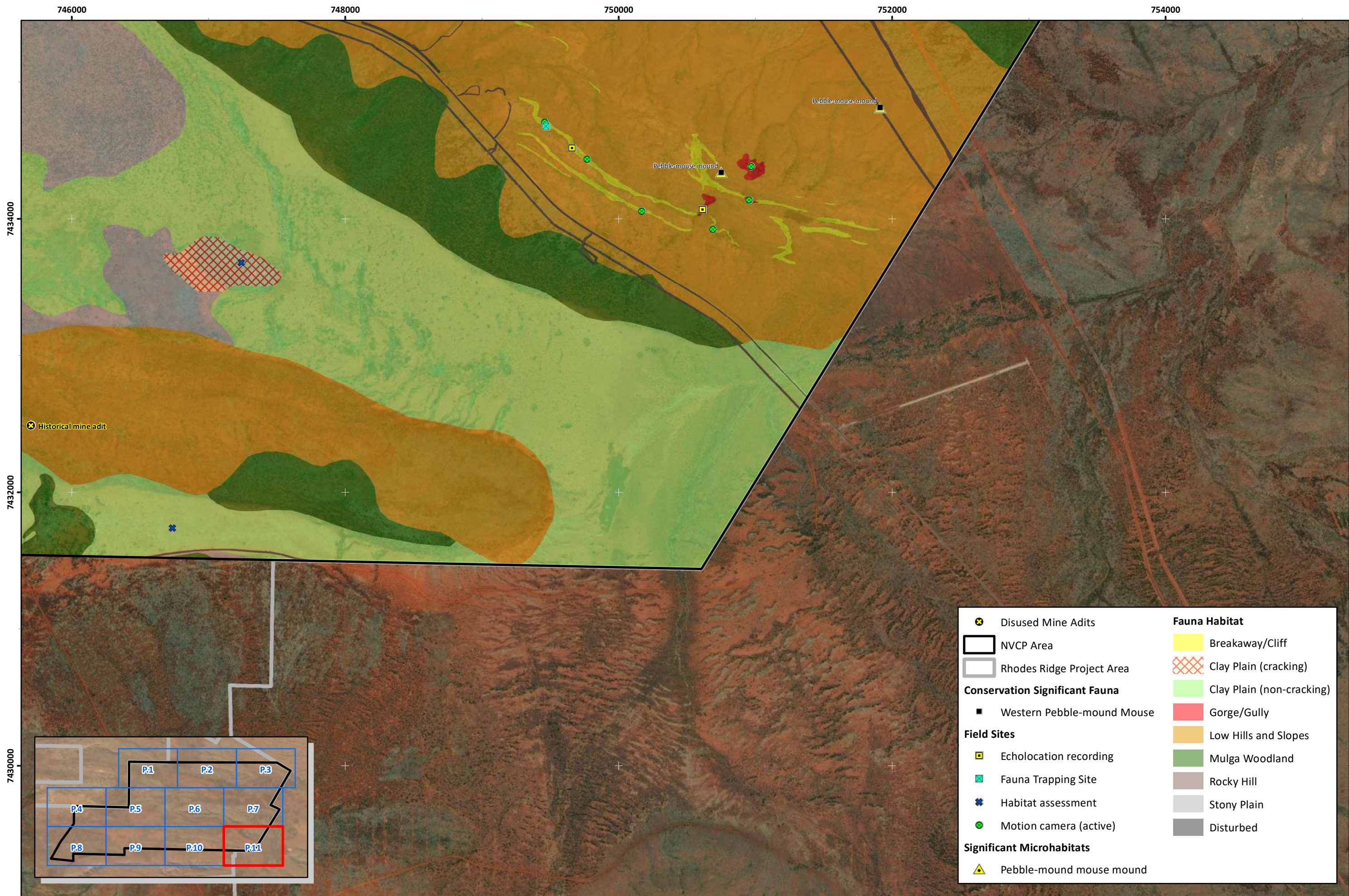
Drawn: C. Dyde

Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres



Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP



Rio Tinto
Rhodes Ridge NVCP, Fauna

Figure P.11: Fauna Habitat Mapping, Site Locations and Conservation Significant Fauna

Author: D. Keirle

Drawn: C. Dyde


Scale: 1:25,000 at A3
Coordinate System: GDA 1994 MGA Zone 50
0 250 500 750 1,000 Metres




Date: 21-03-2022

Figure Ref: 14200-001-21-BIDR-1RevB_220321_Fauna_Hab_FigP

Table P.1: Locations of vertebrate conservation listed species within the survey area

Species name (common name)	Status	Site ID	MGA Zone 50 K		Observation type (number of records)	Habitat	Photograph
			Easting (mE)	Northing (mN)			
<i>Macroderma gigas</i> (Ghost Bat)	VU;VU	BAT7	748345	7443827	Echolocation recording	Gorge/gully	
		BAT42	738447	7438134	Echolocation recording	Breakaway	
		BAT46	743288	7443654	Echolocation recording	Breakaway	
		RRCV6	748335	7443833	Opportunistic (Sighted)	Gorge/gully	
		RRCV7	743926	7438100	Secondary Observation (Scats)	Gorge/gully	
		RRCV26	749542	7444160	Secondary Observation (Scats)	Breakaway	
		RRCV27	740444	7437590	Secondary Observation (Scats and feeding debris)	Breakaway	
<i>Pseudomys chapmani</i> (Western Pebble-mound Mouse)	P4	RRWPMM1	739653	7437541	Active pebble mound	Low Hills and Slopes	
		RRWPMM2	739615	7437461	Active pebble mound	Low Hills and Slopes	
		RRWPMM3	742219	7437282	Inactive pebble mound	Low Hill and Slopes	
		RRWPMM4	741931	7437333	Active pebble mound	Low Hills and Slopes	

Species name (common name)	Status	Site ID	MGA Zone 50 K		Observation type (number of records)	Habitat	Photograph
			Easting (mE)	Northing (mN)			
<i>Pseudomys chapmani</i> (Western Pebble-mound Mouse)	P4	RRWPMM5	743122	7437307	Active mound pebble	Low Hills and Slopes	
		RRWPMM6	739191	7437547	Active mound pebble	Low Hills and Slopes	
		RRWPMM7	750824	7445287	Inactive mound pebble	Low Hill and Slopes	
		RRWPMM10	750990	7437616	Inactive mound pebble	Low Hill and Slopes	
		RRWPMM11	750944	7437598	Active mound pebble	Low Hills and Slopes	
		RRWPMM12	739952	7439082	Active mound pebble	Low Hills and Slopes	
		RRWPMM13	739856	7438683	Active mound pebble	Low Hills and Slopes	
		RRWPMM14	739874	7438825	Active mound pebble	Low Hills and Slopes	
		RRWPMM15	739050	7440539	Active mound pebble	Rocky Hill	
		RRWPMM16	741886	7438848	Active mound pebble	Low Hills and Slopes	
		RRWPMM17	751912	7434813	Active mound pebble	Low Hills and Slopes	
		RRWPMM18	741851	7438806	Inactive mound pebble	Low Hills and Slopes	
RRWPMM19	750750	7434338	Active mound pebble	Rocky Hill			

Species name (common name)	Status	Site ID	MGA Zone 50 K		Observation type (number of records)	Habitat	Photograph
			Easting (mE)	Northing (mN)			
<i>Pseudomys chapmani</i> (Western Prebble-mound Mouse)	P4	RRWPMM20	743259	7438781	Active pebble mound	Low Hills and Slopes	
		RRWPMM21	744643	7438287	Active pebble mound	Rocky Hill	
		RRWPMM22	746121	7444781	Inactive pebble mound	Rocky Hill	
		RRWPMM23	744480	7438449	Active pebble mound	Low Hills and Slopes	
		RRWPMM28	720944	7431620	Inactive pebble mound	Low Hills and Slopes	
		RRWPMM29	722897	7432187	Active pebble mound	Low Hills and Slopes	
		RRWPMM30	723303	7432492	Active pebble mound	Low Hills and Slopes	
		RRWPMM31	723099	7432606	Active pebble mound	Low Hills and Slopes	
		RRWPMM32	740347	7439097	Inactive pebble mound	Low Hills and Slopes	
		RRWPMM33	728588	7437385	Active pebble mound	Stony Plain	
		RRWPMM34	740414	7439177	Active pebble mound	Low Hills and Slopes	
		RRWPMM35	740504	7439184	Active pebble mound	Low Hills and Slopes	
		RRWPMM36	739172	7438910	Active pebble mound	Low Hills and Slopes	

Species name (common name)	Status	Site ID	MGA Zone 50 K		Observation type (number of records)	Habitat	Photograph
			Easting (mE)	Northing (mN)			
<i>Pseudomys chapmani</i> (Western Prebble-mound Mouse)	P4	RRWPMM44	739800	7438470	Active pebble mound	Low Hills and Slopes	
		RRWPMM67	719815	7431899	Active pebble mound	Low Hills and Slopes	
		RRWPMM68	720514	7431452	Active pebble mound	Stony Plain	

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RioTinto

Rhodes Ridge Native Vegetation Clearing Permit

Statement addressing the 10 clearing principles

19 May 2022

RTIO-HSE-0359819

Anthea Jones, Botanist, Biological Assessments

Statement addressing the 10 clearing principles

The Rhodes Ridge application area is 42,823.7 hectares (ha) and is located approximately 30 km north-west of Newman. Hamersley Resources Limited (Hamersley Resources) is a member of the Rio Tinto Group (Rio Tinto) and seeks this application in its capacity as manager of the Joint Venture to disturb 1,500 ha of vegetation within the application area, with disturbance of vegetation representing approximately 3.5 per cent of the application area.

Exploration and associated works are conducted in accordance with *Rio Tinto's Iron Ore (WA) Mineral Evaluation and Drilling Environmental Management Plan* (EMP, Attachment 1). This EMP includes commitments with respect to minimising clearing, avoiding high conservation value flora, fauna, vegetation and habitats and progressive rehabilitation. Exploration works are managed under Rio Tinto's Approvals Request Co-ordination System (ARCS). Significant biological and environmental features are spatially identified in ARCS with appropriate buffers. Any works that may impact on those identified significant values are avoided or referred to a subject matter expert who may authorise works with appropriate conditions, if the relevant regulatory environmental approvals are otherwise met.

Clearing will be undertaken with a dozer, using a raised blade clearing technique where possible. Blade down clearing may be required in areas of steep or rough terrain in order to provide a safe working environment. Clearing is required for exploration and resource definition drilling (up to and including 50 m x 50 m drill pattern designs), hydrogeological and geotechnical investigations, camp and associated activities. Maximum width of track disturbance, including windrows, is 6 m. This is to account for the width of the loader bucket (4.5 m) and potential windrows either side. Total disturbance for drill pads and sumps can range from approximately 400 m² for standard reverse circulation drilling to 2,400 m² for water resource production bores. All tracks are to be constructed and maintained to ensure minimal impact on natural surface drainage patterns and progressively rehabilitated as soon as practicable.

Numerous clearing permits have been issued previously over the application area. Clearing permits issued previously often applied to smaller differing areas within the current application area. Some permits extended beyond the current application area and some permits overlapped with each other. Consequently, cumulative clearing within the current application area is difficult to calculate accurately using Rio Tinto's internal reporting system. A project is underway that will digitally capture disturbance and rehabilitation, enabling more accurate determination of cumulative impacts within the application area. Results are expected in the second quarter of 2022.

Five clearing permits are live and actively being used by Hamersley Resources Limited to facilitate exploration and associated works (Table 1).

Table 1 Live clearing permits within the application area that are being actively used by Rio Tinto

CPS	Ha*	Live date	No clearing after date	Expiry	Clearing assigned	Clearing to date (ha)**	Rehab to date (ha)	Status
3169/3	22	22/08/2009	31/07/2019	31/07/2024	36.5	41.20	7.1	Live
8245/1	200	23/02/2019	23/02/2029	23/02/2034	193.3	35.8	4.6	Live
2283/6	355	23/05/2008	31/12/2022	31/12/2027	206.22	74.39	21.3	Live
8270/1	600	20/07/2019	31/12/2028	31/12/2035	527.8	295.66	47.3	Live
8771/1	805	21/03/2020	31/12/2025	31/12/2030	254.1	84.88	0	Live

*Approved hectares within and outside of the proposed application area.

The proposal to clear vegetation within the Rhodes Ridge NVCP survey area is considered below in terms of the Department of Water and Environment Regulation's (previously the Department of Environment Regulation) 10 Clearing Principles under Schedule 5 of the *Environmental Protection Act 1986* and Hamersley Resources commitments to avoid, minimise and/or manage impacts on significant biological and environmental values.

Hamersley Resources commits to avoiding impacts on the significant biological values and associated buffers, shown as proposed protection areas and detailed in Figures 1 – 4. Some biological and environmental values cannot feasibly be protected by avoidance at the scale of the application area, for example all Priority 3 listed flora or all mulga vegetation units. Hamersley Resources commits to minimise and manage impacts on such biological and environmental values through implementation of its Exploration EMP and through ARCS, whereby biological and environmental features are spatially identified and impacts assessed at a finer scale in relation to specific works. In such cases, identified features are either avoided or referred to a subject matter expert who may authorise works with appropriate conditions, if the relevant regulatory environmental approvals are otherwise met.

1. **Comprises high level of biological diversity**

Native vegetation should not be cleared if it comprises a high level of biological diversity.

The application area lies within the Hamersley subregion of the Pilbara IBRA bioregion of Western Australia (Kendrick 2001). A detailed flora, vegetation and fauna assessment of the application area has been conducted by Astron between 2019 and 2021. Seasonal conditions for surveying the east Pilbara were below average in 2019 and average in 2020. However, survey was constrained by COVID-19 restrictions in 2020. Seasonal conditions during the 2021 survey period were considered above average due to relatively widespread above average rainfall and there was good representation of annual and ephemeral flora and good conditions for fauna generally in 2021. Overall, timing is considered a minor limitation to the flora and fauna survey. The application area has been adequately surveyed in accordance with the *Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment* (Environmental Protection Authority 2016) and *Technical Guidance - Terrestrial Fauna Surveys* (Environmental Protection Authority 2020).

Vegetation

Thirty-seven vegetation units were identified within the application area, none of which represent a Commonwealth or State listed Threatened Ecological Community (TEC). Vegetation that may represent two Priority Ecological Communities (PECs) was recorded.

Vegetation unit D12 has affinity to the 'Coolibah - Lignum Flats: sub type 1' priority 3 PEC and occurs in three discrete patches covering 11.9 ha (0.03% of application area) in the central part of the application area. Vegetation unit D12 is described as *Eucalyptus victrix* open woodland over *Acacia aptaneura* scattered tall shrubs to tall open shrubland over *Duma florulenta* (and *Rhagodia eremaea*) open shrubland to shrubland over *Chrysopogon fallax*, *Eriachne flaccida*, *Eulalia aurea* and/or other species very open tussock grassland with *Urochloa occidentalis* var. *ciliata*, *Digitaria ctenantha* and *Enneapogon polyphyllus* annual grassland on broad drainage depressions within crabhole clay plains. It was recorded on the Wannamunna land system associated with sandy clay loam plains, crabhole plains or broad drainage depressions and creeks over calcrete and ironstone.

Vegetation unit P15 has affinity to the 'West Angelas Cracking-Clays' priority 1 PEC and was recorded in 323 patches covering 76.1 ha (0.2% of application area) in the central and western parts of the application area. Vegetation was described as: *Astrelba elymoides* (*Astrelba pectinata*, *Aristida latifolia* and *Chrysopogon fallax*) open tussock grassland to tussock grassland over *Dichanthium sericeum* subsp. *humilius*, *Iseilema vaginiflorum*, *Urochloa occidentalis* var. *occidentalis* and other species very open annual grassland with *Ipomoea lonchophylla*, *Euphorbia coghlanii* and *Vigna* sp. Hamersley Clay (A.A. Mitchell PRP 113) scattered herbs to open herbland on crabhole clay plains. It was recorded from Wannamunna, Spearhole, Rocklea and Newman land systems on clay loam or cracking clay plains.

Vegetation unit D19 may be of elevated significance as it is uncommon with a limited distribution. The D19 vegetation unit occurs in a drainage line and is characterised by *Eremophila galeata*, which is at the northern extent of its distribution in the survey area. It also supports all known occurrences of the recently described Priority 1 taxon *Paranotis* sp. Pilbara (H. Ajduk HAOP04a) for which specimens were recently lodged with the WA Herbarium.

No new exploration or associated works will be conducted within the potentially conservation significant vegetation units D12, P15 and D19, as identified in Astron (2022). An additional 50 m buffer will be applied to these vegetation units in ARCS to further reduce the risk of potential indirect and inadvertent impacts to these vegetation units with affinities to PECs. However, areas of existing disturbance, such as existing tracks and service corridors, will continue to be accessed and maintained where necessary. Unless significant indirect impacts are occurring, the environmental impact of maintaining an existing track through a significant vegetation unit is usually lower than the impact of clearing a new track through intact vegetation around a significant vegetation unit.

Vegetation unit P1 (4,625.1ha, 10.8 % of the application area) shows banded patterning and therefore may represent the 'grove/inter-grove mulga, eastern Hamersley Range' community which is listed as an 'Ecosystem at Risk' (Department of Conservation and Land Management 2002). This vegetation is threatened by pastoral grazing of cattle, as well as invasive weeds and water shadows from linear infrastructure which change the particular hydrology this vegetation type is formed by (Department of Conservation and Land Management 2002).

Vegetation units P8 (2,406.9 ha, 5.6%), P9 (2,963.5 ha, 6.9%) and the P8/P9 Mosaic (3, 199.6 ha, 7.5%) represent a hard pan mulga community and have a complex relationship with sheet flow hydrology. Banded and hand pan mulga communities may affect water and therefore nutrient flows as well as transport of sediments to other landforms and vegetation types within a landscape. Changes in sheet flow communities can also affect downstream vegetation types, and thus play an important part of the landscape.

The P1, P8, P9 and P8/9 mosaic mulga vegetation units represent greater than 30 per cent of the application area and occur widely in the Pilbara bioregion. Direct clearing of vegetation is unlikely to significantly impact on the mulga vegetation units, as proportional direct impacts from exploration are likely to be low. Alteration of sheet flow hydrology has the potential to have indirect impacts on the mulga vegetation units. Minimisation of direct impacts from clearing and management of indirect impacts from alteration to surface water flows will be achieved through accordance with Rio Tinto's EMP. The EMP requires that clearing be minimised (e.g. by using existing tracks) and that all tracks to be constructed and maintained to ensure minimal impact on natural surface drainage patterns and to ensure surface run-off does not impact surrounding lands.

Commitment 1: No new exploration or associated works will be conducted within vegetation units D12, P15 and D19, as identified in Astron (2022). An additional 50 m exclusion area will be applied to

these vegetation units in ARCS to avoid potential indirect and inadvertent impacts to these vegetation units (Figure 2). Existing cleared areas may be accessed and maintained, as necessary.

Commitment 2: In accordance with the EMP, minimise clearing and construct and maintain tracks to ensure minimal impact on natural surface drainage patterns, with particular regard for the P1, P8, P9 and P8/9 mosaic mulga vegetation units.

Flora

A total of 580 confirmed vascular flora taxa, representing 196 genera from 60 families, were recorded within the application area. The floristic diversity was considered representative for the region. The diversity of ephemeral and annual flora is considered good due to an optimal wet season in 2020-2021. No Commonwealth or State listed threatened flora species were recorded during the survey and based on the results of the desktop assessment, none are expected to occur.

Twenty-one State listed priority flora species were identified within the application area during the current survey; *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1, *Paranotis* sp. Pilbara (H. Ajduk HAOP04a) P1, *Aristida lazardis* P2, *Euphorbia inappendiculata* var. *inappendiculata* P2, *Hibiscus* sp. Gurinbiddy Range (M.E. Trudgen MET 15708) P2, *Ipomoea racemigera* P2, *Isotropis parviflora* P2, *Oxalis* sp. Pilbara (M.E. Trudgen 12725) P2, *Acacia subtiliformis* P3, *Aristida jerichoensis* var. *subspinulifera* P3, *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3, *Euphorbia australis* var. *glabra* P3, *Glycine falcata* P3, *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) P3, *Indigofera gilesii* P3, *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3, *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) P3, *Swainsona thompsoniana* P3, *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3, *Themeda triandra*/sp. Hamersley Station (M.E. Trudgen 11431) (potential P3), *Triodia* sp. Mt Ella (M.E. Trudgen 12739) P3 and *Goodenia nuda* P4.

A further six priority flora species (*Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684) P1, *Teucrium pilbaranum* P2, *Rostellularia adscendens* var. *latifolia* P3, *Xerochrysum boreale* P3, *Acacia bromilowiana* P4 and *Lepidium catapycnon* P4) have been recorded within the application area previously however were not encountered during the current survey (Department of Biodiversity, Conservation and Attractions 2021g, 2021c, Rio Tinto 2021b).

Five priority taxa recorded within the survey area are considered range extensions to the current known populations; *Eragrostis* sp. Mt Robinson (S. van Leeuwen 4109) P1, *Teucrium pilbaranum* P2, *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3, *Euphorbia australis* var. *glabra* P3 and *Glycine falcata* P3.

All known populations of Priority 1 and 2 listed flora taxa within the application area will be avoided. A 30 m buffer will be applied to Priority 1 and 2 flora in ARCS to further reduce the risk of potential indirect and inadvertent impacts from new exploration works on these Priority 1 and 2 flora taxa. Priority flora is often recorded alongside roads or tracks due to increased visibility in these areas. Altering existing tracks to provide buffers in such cases would result in additional clearing and higher environmental impacts. Areas of existing disturbance within the buffers, such as existing tracks and service corridors, will continue to be accessed and maintained where necessary.

With regard to the range extensions, the Priority 1 and 2 flora taxa with populations that are considered range extensions will be protected, as described above. All Priority 3 listed taxa for which range extensions were recorded had occurrences in the P15 vegetation unit. The protection of the P15 vegetation unit and associated buffer will provide total or partial protection for these Priority 3 taxa with recorded range extensions. All recorded populations of *Dolichocarpa* sp. Hamersley Station (A.A. Mitchell PRP 1479) P3 will be protected through exclusion of the P15 vegetation unit. Additionally, 14

populations (334 individuals) of *Euphorbia australis* var. *glabra* P3 and 9 populations (57 individuals) of *Glycine falcata* P3 will be protected, largely within the P15 vegetation unit, but also within other areas demarcated for protection of other significant biological values. There is potential for impacts on *E. australis* var. *glabra* and *G. falcata* populations at the south-eastern extent of their known ranges, extending approximately 1 km and 13 km east from populations within protected areas, respectively. However, both *E. australis* var. *glabra* and *G. falcata* have east-west ranges of over 300 km within the Pilbara. Given the fragmented nature of impacts from exploration and small extension of range the potentially impacted populations represent relative to the broad known regional extent of these taxa, any potential impacts to *E. australis* var. *glabra* and *G. falcata* are highly unlikely to be significant to the conservation of these taxa in the Pilbara.

The majority of the Priority 3 and 4 flora taxa recorded within the application area have broad local, regional and/or National distributions. The proportion of known individuals that occur within the application area relative to the regional population is low in most cases. However, for a small number of Priority 3 and 4 taxa, more than 30 per cent of the number of individuals recorded regionally occur within the application area. *Aristida jerichoensis* var. *subspinulifera* P3, *Indigofera gilesii* P3, *Rhagodia* sp. Hamersley (M. Trudgen 17794) P3 and *Goodenia nuda* P4 have more than 30% of the number of individuals known regionally within the application area. These Priority taxa were recorded in high numbers across numerous vegetation units with broad distributions across the application area. The high proportion of individuals recorded within the application area relative to the regional population is likely to be a consequence of the high survey effort within the application area relative to the broader regional extent. Furthermore, although a high proportion of the known regional population occurs within the application area for these Priority taxa, impacts from exploration and associated works will be limited to 3.5 per cent of the application area, fragmented and temporary. Impacts from exploration and associated works are unlikely to be significant to the conservation of these taxa at either the local or regional scale.

Other Priority 3 and 4 taxa with high proportions of the number of individuals recorded regionally within the application area will be protected through avoidance of habitat. All populations of *Streptoglossa* sp. Cracking clays (S. van Leeuwen et al. PBS 7353) will be protected by avoiding the P15 vegetation unit. As noted above, a significant proportion of *E. australis* var. *glabra* P3 (45 per cent of the number of individuals and populations) will be protected through protection of the D13 and P15 vegetation units and within other areas demarcated for protection of significant biological values. Other Priority 3 taxa restricted to calcretes, such as *Acacia subtiliformis* P3 and *Goodenia* sp. East Pilbara (A.A. Mitchell PRP 727) P3, are unlikely to occur in resource areas and therefore unlikely to be significantly impacted.

Rhagodia sp. Hamersley (M. Trudgen 17794) P3, *Acacia subtiliformis* P3 and *Goodenia nuda* P4 have all been recorded in areas mapped by Rio Tinto as rehabilitation areas and within areas mapped by Astron (2022) as being in "Completely degraded" or "Poor" condition. *Aristida lazaridis* P2 and *Aristida jerichoensis* var. *subspinulifera* P3 were both recorded in areas mapped as being in completely degraded condition. *A. lazaridis* has also been recorded in rehabilitation at BHP Yandi and in areas of soil disturbance (PERTH 09215808, PERTH 08674604, PERTH 08399344, PERTH 08399352). This is indicative of the resilience of many of these Priority taxa and their ability to re-establish after disturbance.

Commitment 3: All known populations of Priority 1 and 2 listed flora taxa will be avoided. A 30 m exclusion area will be applied to Priority 1 and 2 flora ARCS to further reduce the risk of potential indirect and inadvertent impacts from new exploration works on these Priority 1 and 2 flora taxa (Figure 3). Existing cleared areas may be accessed and maintained, as necessary.

Fauna

Eight broad fauna habitat types were recorded in the application area: Low Hills and Slopes, Clay Plain, Stony Plain, Rocky Hill, Minor Drainage Line, Mulga Woodland, Gorge/Gully and Breakaway. These habitat types extend beyond the application area, are common throughout the Pilbara region and are therefore unlikely to support a greater localised level of faunal diversity than that of the surrounding areas.

Database search results identified 344 vertebrate fauna species previously recorded within 50 km of the application area, including seven amphibian species, 120 reptile species, 167 bird species (including one introduced bird species) and 50 mammal species (including 10 introduced mammal species). One-hundred and eighty-three fauna species, comprising four amphibians, 70 reptiles, 80 birds and 29 mammals were recorded within the application area during the current survey. The expected fauna assemblage identified from the desktop assessment and those identified during survey of the application area are commonly recorded taxa in Pilbara biological surveys.

The MNES fauna species Ghost Bat (VU; VU) was recorded within the application area during the current survey in natural caves. A total of six Ghost Bat roost caves have been recorded within the application area through surveys to date, comprising of one Category 3 roost cave with occasional occupancy, and five Category 4 nocturnal roost caves with opportunistic usage. None of these caves are considered individually significant to the long-term persistence of the species. Impacts to caves will be avoided with a minimum 25 m exclusion area to be applied to Category 4 caves in ARCS to reduce the risk of potential indirect and inadvertent impacts to these habitats. The Category 3 roost cave will have a 75 m exclusion area applied.

The Ghost Bat has also been recorded historically within the application area in abandoned mine adits roosting in low numbers. The Pilbara Leaf-nosed Bat (VU; VU) has also been previously recorded visiting adits within the application area in low numbers. However, no known permanent roosts for PLNB have been recorded in the survey area. Impacts to adits will be avoided with a minimum 150 m exclusion area to be applied in ARCS to reduce the risk of potential indirect and inadvertent impacts to adit habitats. Subject to appropriate planning and continuing environmental controls, the conservation status of these species is unlikely to be affected by the proposal.

A further two MNES species, the Pilbara Olive Python (VU; VU) and Northern Quoll (EN; EN), have been recently recorded in close proximity to the application area and would be expected to utilise the area mainly as foraging and dispersal habitat. The application area lacks extensive Gorge/Gully and Breakaway habitats and permanent/semi-permanent water sources associated with core habitat features for these MNES species. As such, the application area is likely to be utilised mainly as foraging and dispersal habitat by these species, and the conservation status of these species is unlikely to be affected by the proposal. The single semi-permanent pool recorded in application area will be protected by applying a 50 m exclusion area in ARCS to avoid any impacts to this habitat. An existing track occurs on the edge of the buffer approximately 45 m from the pool and this track will be accessed and maintained, as necessary.

One priority fauna species was recorded during the current survey from the application area: the Western Pebble-mound Mouse (P4) from active and inactive mounds. The Low Hill and Slopes, Rocky Hill, Stony Plain and Mulga Woodland habitats of the application area are likely to support this species. These habitats are widespread and common within the vicinity of the application area and the wider Pilbara region. Mounds have been identified through multiple surveys across the Rhodes Ridge area and these are identified as restriction areas with a 25 m buffer in ARCS. Activities that may impact on these restriction areas would be identified and referred to a specialist zoologist for advice. Potential impacts to active mounds will be managed in accordance with Rio Tinto's EMP. The EMP states that such features of elevated conservation significance will be avoided (where practicable). In cases

where avoidance is not practicable, fauna management advice is included on the internal approval by the specialist zoologist.

Eight other significant species, the Pilbara Barking Gecko (P2), *Anilios ganei* (P1), Letter-winged Kite (P4), Oriental Plover (Mi; Mi), Grey Falcon (VU), Peregrine Falcon (OS), Fork-tailed Swift (Mi; Mi) and *Lerista macropisthopus remota* (P2) were considered highly likely to occur in the application area, within the habitats present. However, none of these species are considered likely to be dependent on the habitats present in the application area and most of the bird species are only likely to use the application area as part of a larger foraging area. None of these species are likely to be impacted by the Proposal.

Commitment 4: *All six known Category 3 and 4 caves and adits will be avoided. A minimum 25 m exclusion area will be applied to these known caves and a 150 m exclusion area applied to adits ARCS to avoid potential indirect and inadvertent impacts from exploration works on Ghost Bat and Pilbara Leaf-nosed Bat (Figure 4). Existing cleared areas may be accessed and maintained, as necessary, where the activity type would not cause any significant disturbance to Ghost Bat and Pilbara Leaf-nosed Bat.*

Commitment 5: *The semi-permanent pool habitat will be avoided by applying a minimum 50 m exclusion area in ARCS to avoid impacts to this potential habitat for State and Federally listed Threatened fauna (Figure 4c). Existing cleared areas will be accessed and maintained, as necessary, where the activity type would not cause significant disturbance to fauna.*

Commitment 6: *Western Pebble-mound Mouse (P4) mounds will be identified as a minimum 25 m restriction area in ARCS and mounds will be avoided where practicable. Where avoidance is not practicable, activities will be referred to a specialist zoologist for internal advice and approval with appropriate management conditions. Existing cleared areas may be accessed and maintained, as necessary.*

Based on Rio Tinto's commitments to avoid, minimise and manage impacts on Threatened fauna, Priority listed flora and fauna, Priority Ecological Communities and vegetation units of conservation significance, the proposed exploration and associated works are unlikely to impact the biological diversity within the application area and unlikely to be at variance to this Principle.

2. Potential impact to any significant habitat for fauna indigenous to Western Australia

Native vegetation should not be cleared if it comprises the whole, or part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.

Eight fauna habitat types were recorded in the application area: Low Hills and Slopes, Clay Plain, Stony Plain, Rocky Hill, Minor Drainage Line, Mulga Woodland, Gorge/Gully and Breakaway. These habitat types extend beyond the application area, are common throughout the Pilbara region and are therefore unlikely to support a greater localised level of faunal diversity than the surrounding areas. The application area lacks extensive Gorge/Gully and Breakaway habitats, including deep/humid caves and permanent/semi-permanent water sources that are considered core habitat features for MNES species such as the Northern Quoll, Pilbara Olive Python, Ghost Bat and Pilbara Leaf-nosed Bat. Rio Tinto has committed to ensuring the protection of potentially significant habitats within the application area, being significant caves, adits and the semi-permanent pool, as detailed above.

Thirty-three pebble-mounds (26 active, seven inactive) of the Western Pebble-mound Mouse (P4) were recorded within the application area. Most records (27) were from Low Hills and Slopes habitat, four records were from Rocky Hill habitat, and two records were from Stony Plain habitat. This species may be locally impacted by the proposed clearing as they are less mobile and unable to move away from disturbance, however, the conservation status of this species is unlikely to be impacted given its wide distribution in the Pilbara region, its presumed large population, and its occurrence in a number of protected areas, such as Karijini National Park, Karlamilyi National Park, Millstream-Chichester National Park, and Collier Range National Park (Burbidge 2016). Mounds have been identified as restriction areas with a 25 m buffer in ARCS. As noted above, activities that may impact on these restriction areas would be identified and referred to a specialist zoologist for advice. Potential impacts to active mounds will be managed in accordance with Rio Tinto's EMP.

The application area is not within a conservation estate, is not part of a critical fauna habitat corridor and does not contain fauna habitat that is limited locally or within the Pilbara region. Rio Tinto has committed to ensure the protection of potentially significant habitats within the application area, being the known Category 3 and 4 caves, adits and the semi-permanent pool, as detailed above. Western Pebble-mound Mouse (P4) mounds will be avoided where practicable and, where avoidance is not practicable, fauna management advice is included on the internal approval by the specialist zoologist. As such, the proposed clearing is not likely to be at variance to this Principle.

3. Potential impact to any rare flora

Native vegetation should not be cleared if it includes, or is necessary for the continued existence of rare flora.

No threatened flora listed under the EPBC Act or BC Act were recorded within the application area and, based on the results of the desktop assessment, none are considered likely to occur. Database search results did not return any threatened flora species within 50 km of the application area (Department of Biodiversity, Conservation and Attractions 2021g, 2021c, 2021e, Rio Tinto 2021b). One EPBC Act and BC Act listed threatened flora species *Pityrodia augustensis* (VU) was returned from the MNES database search results (Department of Agriculture, Water and the Environment 2021a). All collections of this species lodged at the WA Herbarium are from the Mount Augustus National Park in the Gascoyne bioregion over 200 km south-west of the application area. It is considered highly unlikely to occur.

Seringia exastia was recorded in 31 locations within the application area. In June 2020 a revision of *Seringia* taxa in north-west Australia was published and the commonly occurring species *S. elliptica* was subsumed into the older named, but rare and threatened species, *S. exastia* (Binks *et al.* 2020). While the taxon names have been updated in Florabase (Western Australian Herbarium 2021), the conservation listing of the species has not yet been revised. *S. exastia* is listed as Critically Endangered under the Western Australian Government's BC Act and Critically Endangered under the Australian Government's EPBC Act. An Authorisation under s40 of the BC Act authorises the taking of this species within Rio Tinto's Iron Ore tenements, live agreement areas and pastoral stations in the Pilbara Bioregion for the purposes of mining, exploration and maintenance of infrastructure in accordance with native vegetation clearing approvals or exemptions (Attachment 2 and 3).

Given the comprehensive level of survey within the application area and that no threatened flora has been previously recorded within or in close proximity to the application area, the proposed clearing is not likely to be at variance to this Principle.

4. Presence of any threatened ecological communities

Native vegetation should not be cleared if it comprises the whole or part of, or is necessary for the maintenance of a threatened ecological community (TEC).

No TECs listed under the EPBC Act or BC Act have been located within or adjacent to the application area. The vegetation units recorded during the survey are not considered analogous with the listed TECs of the Pilbara region. The closest TEC to the application area is the Ethel Gorge aquifer stygobiont community, the buffer of which is located approximately 32 km south-east of the application area (Department of Biodiversity, Conservation and Attractions 2021a).

Given that no TECs occur within or in close proximity to the application area, the proposed clearing is not likely to be at variance to this Principle.

5. Significance as a remnant of native vegetation in the area that has been extensively cleared

Native vegetation should not be cleared if it is significant as remnant vegetation in an area that has been extensively cleared.

The application area occurs within the Hamersley subregion of the Pilbara bioregion, the Shire of East Pilbara and within the pre-European vegetation associations 18, 29, 82 and 175 (Shepherd et al. 2002). Each of these vegetation associations has greater than 98% of their pre-European extent remaining at the bioregion, subregion and local government authority level (Table 22) (Government of Western Australia 2019).

Table 2 Extent of pre-European vegetation associations remaining within the Pilbara bioregion, Hamersley subregion and Shire of East Pilbara (Government of Western Australia 2019).

Vegetation association	Pre-European extent (ha)	Current extent (ha)	Percent remaining(%)	Proportion of current extent in DBCA managed land (%)
Pilbara bioregion				
18	676,557	671,843	99.302	25.35
29	1,133,220	1,131,712	99.87	9.39
82	2,563,583	2,550,888	99.50	11.58
175	507,860	507,467	99.92	7.94
Hamersley subregion				
18	581,246	576,542	99.19	29.54
29	172,083	170,748	99.22	12.98
82	2,177,574	2,165,224	99.43	13.57
175	93,040	92,751	99.69	7.77
Shire of East Pilbara				
18	359,372	355,446	98.91	1.49
29	906,243	905,848	99.96	7.74
82	927,710	919,072	99.07	0.50
175	127,486	127,461	99.98	0.00

Based on the pre-European vegetation associations, the vegetation described and mapped within the Rhodes Ridge application area is considered to be remnant and not within an extensively cleared landscape (Shepherd et al. 2002).

The application area is not within a highly cleared landscape and is not a critical corridor for fauna dispersal. Based on the above, the proposed clearing is not likely to be at variance to this Principle.

6. Impact on any watercourse and / or wetlands

Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.

There are no nationally significant wetlands within, or in close proximity, of the application area (Department of the Environment and Energy 2017a, 2017b). The nearest nationally important wetland is Fortescue Marshes, located approximately 40 km north of the survey area. No major watercourses intersect the application area, however, a number of minor ephemeral creeks and drainage lines are present, including tributaries of the Fortescue River.

One vegetation unit, D13, may represent a GDE as it is dominated by the facultative phreatophyte *Eucalyptus victrix* (Mensforth et al. 1994, Pfautsch et al. 2014) and occurs on a soak/ drainage depression habitat. No exploration or associated works will be conducted within the D13 vegetation unit, as identified in Astron (2022). An additional 50 m exclusion area will be applied to this vegetation unit in ARCS to further reduce the risk of potential indirect and inadvertent impacts.

No other habitats represent riparian habitat or have permanent water.

Commitment 7: No new exploration or associated works will be conducted within vegetation unit D13, as identified in Astron (2022). A 50 m exclusion area will be applied to this vegetation unit in ARCS to avoid potential indirect and inadvertent impacts.

Based on Rio Tinto's commitment to avoid the D13 vegetation unit, a potential GDE, the proposed clearing is unlikely to be at variance to this Principle.

7. Potential to cause appreciable land degradation

Native vegetation should not be cleared if the clearing of vegetation is likely to cause appreciable land degradation.

Nine weed species: **Bidens bipinnata* (bipinnate beggartick), **Cenchrus ciliaris* (buffel grass), **Cenchrus setiger* (birdwood grass), **Chloris virgata* (feathertop Rhodes grass), **Flaveria trinervia* (speedy weed), **Malvastrum americanum* (spiked malvastrum), **Setaria verticillata* (whorled pigeon grass), **Tribulus terrestris* (caltrop) and **Vachellia farnesiana* (mimosa bush) were identified within the application area. The application area is considered to have a relatively low weed diversity and distribution. However, weed distribution, abundance and diversity at the time of the survey was likely to be underrepresented due to two sub-optimal seasons of survey. With ongoing weed management practices, it is not likely that clearing would exacerbate the impact of weeds within the area.

The Newman land system, which accounts for 31% of the application area, comprises rugged jaspilite plateaux, ridges and mountains with hard spinifex and has low susceptibility to erosion (van Vreeswyk et al. 2004).

The Wannamunna land system, which accounts for a further 29% of the application area, has a low susceptibility to erosion, however, inappropriate positioning of infrastructure such as roads is known to disturb overland flow process in this land system which may have adverse effects on vegetation

(van Vreeswyk et al. 2004). Exploration tracks exist across the application area and in some areas of cracking clay soils there is some obvious rutting within the tracks caused by vehicles use. No obvious evidence of erosion or land degradation was noted beyond the existing tracks.

The remaining 40% of the application area occurs within five other land systems; Spearhole, Boolgeeda, Rocklea, Platform and Egerton, none of which have high susceptibility to degradation or erosion (van Vreeswyk et al. 2004).

Based on the above (and subject to appropriate planning, environmental controls, and progressive rehabilitation), the proposed clearing is not likely to be at variance to this Principle.

8. Potential to impact on the environmental values of adjacent or nearby conservation areas

Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.

The application area is not located within or adjacent to any conservation reserves. The nearest conservation reserve is Karijini National Park which is located approximately 56 km to the west of the application area. Given this distance, it is unlikely that the proposed clearing will have an impact on the environmental values of this conservation reserve.

The proposed clearing is therefore not likely to be at variance to this Principle.

9. Potential deterioration in the quality of surface or underground water

Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.

The application area is not located within a Public Drinking Water Source Area (PDWSA) (Department of Water 2008). The nearest PDWSA is the Newman Water Reserve, located approximately 7 km south-east of the application area. It is considered unlikely that the proposed clearing will impact the quality of this water reserve. The application area is considered low risk for erosion and is unlikely to be affected by salinisation.

Given that the proposed exploration and resource definition drilling and associated works may potentially impact approximately 3.5 per cent of the total application area, and that the application area is not within a PDWSA and is not significant for surface water, the proposed clearing is not likely to be at variance to this Principle.

10. Potential of clearing to cause, or exacerbate, the incidence or intensity of flooding

Native vegetation should not be cleared if the clearing of vegetation is likely to cause, or exacerbate, the incidence of flooding.

Following cyclonic activity, localised natural flooding events may occur in the Pilbara region. The application area is likely to naturally be affected by flood events during wet season rainfall events. The survey area has extensive areas of floodplains, clay plains, banded mulga plains and mulga hard pan plains (represented by vegetation units P1, P5, P8, P9, P8/P9 Mosaic, P15, P16 and P18) which account for 38.0% (16,261.5 ha) of the application area. These plains are subject to sheet flow during good

rainfall seasons, soaking up large amounts of rainfall before a slow sheet of water flowing in a downward gradient is formed. The Wannamma land system occurs over 29.3% of the survey area and has a moderate flooding risk rating (van Vreeswyk et al. 2004).

Excessive clearing of these vegetation types may change the hydrology of the landscape and may cause flooding. However, the proposed exploration and resource definition drilling and associated works may potentially impact only approximately 3.5 per cent of the total application area. In accordance with the EMP, tracks will be constructed and maintained to ensure minimal impact on natural surface drainage patterns and to ensure surface run-off does not impact surrounding lands. Areas cleared for exploration will be progressively rehabilitated.

Based on the low proportion of the application area to be cleared, the proposed management measures and commitment to progressive rehabilitation, the proposed works are unlikely to be at variance to this Principle.

Conclusion

Based on specialist assessment of the study area and discussion below, it is deemed that the Proposal is unlikely to be at variance with any of the 10 clearing principles under Schedule 5 of the *Environmental Protection Act 1986*.

Attachments

Attachment 1 Iron Ore - Mineral Evaluation and Drilling – EMP
Attachment 2 TFL 103-2021 Seringia exastia Coverl Letter and Authorisation
Attachment 3 2021 12 16 TFL 103B-2021 Seringia exstia Amendment

Figures

Figure 1 Overview of proposed clearing permit
Figure 2 (a-c) Conservation Significant Vegetation
Figure 3 (a-e) Priority Flora
Figure 4 (a-d) Fauna

Attachments

Iron Ore (WA)

Mineral Evaluation and Drilling Environmental Management Plan

*Evaluation, exploration and water drilling within all areas of operation,
including environmentally significant areas*

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All acronyms and definitions are located in Section 7.

1 Context

The Mineral Evaluation and Drilling Environmental Management Plan (EMP) has been prepared to manage environmental aspects associated with mineral or hydrogeological evaluation / exploration (Resource Development) related activities within all lands, including areas of conservation significance, managed by Rio Tinto Iron Ore (RTIO). This plan will be implemented by the Resource Development division of RTIO business (WA). This Management Plan will be reviewed and updated as required.

2 Objective

The EMP details the methods and procedures to be applied in order to achieve RTIO's environmental commitments and objectives for Resource Development works.

The specific aims of this EMP are to:

- Summarise plans, guidelines and procedures to manage potential impacts to environmental receptors;
- Detail the planning required to meet environmental requirements;
- Detail specifications and actions to meet environmental requirements;
- Summarise measurements and evaluation of environmental performance;
- Detail accountabilities and responsibilities; and
- Ensure that the relevant stakeholders are contacted at the appropriate stages of the projects when planning and working within areas of conservation significance.

3 Management Procedures

This EMP is aligned with RTIO systems, procedures and work practices which are developed in accordance with legislative requirements and Australian standards.

3.1 Rio Tinto Iron Ore Management Systems

This EMP is an integral part to the Rio Tinto Health, Safety, Environment and Quality Management System (HSEQ MS). All personnel supporting the activities undertaken for Resource Development related activities are to adhere to HSEQ MS, including this EMP, to ensure impacts to environmental receptors are managed in accordance with legal requirements and other commitments.

To demonstrate this commitment, RTIO has an endorsed Health, Safety, Environment, and Communities Policy for all Rio Tinto businesses. The policy is the guiding document for environmental management and provides context and direction for continuous improvement.

This approved EMP supersedes all previous versions of the Mineral Evaluation and Drilling Environmental Management Plan.

RTIO has developed and implemented management plans and work practices to manage environmental aspects relating to and Resource Development. A number of these work practices¹ govern land clearing activities, and include:

- Approvals Request Co-ordination Systems (ARCS);
- Approvals Permit Guidelines and Procedures;
- HSEQ Ground Disturbance, Re-entering a Rehabilitated Area and Track maintenance Standard Work Practice;
- HSEQ Iron Ore (WA) – Equipment Hygiene Inspection Work Practice; and
- HSEQ Closure, Rehabilitation and Monitoring Standard Work Practice.

3.2 RTIO Approval Request Co-ordination System (ARCS)

The RTIO ARCS ensures RTIO obtains the relevant regulatory approvals and facilitates the necessary biological and heritage surveys, prior to the commencement of ground disturbing activities or installation of infrastructure. The process assists RTIO in maintaining legislative compliance and managing environmental risk by minimises the potential to disturb any protected or sensitive areas (biological or otherwise). During the approvals process, signoff and advice is sought from Subject Matter Experts (SMEs) prior to an internal Approvals Request (AR) permit being issued authorising works to occur. The SMEs provide advice on Heritage, Biological, Environmental, Tenure, State, Mining Act, Drinking Water Source Protection, Water Licensing, Part IV Environmental Approvals, Part V Licensing, Clearing Permit and Local Government matters. After SME advice is received (including gaining external regulatory approvals), the RTIO permit requestor is issued an AR permit, typically requiring the permit owner to ensure compliance with a number of conditions prior to commencing, during, and / or at the conclusion of the work.

¹ Note – work practices are internal documents and are subject to review and update in line with continual improvement.

4 Management Plan Environment Aspects

The environmental aspects detailed in this EMP form the requirements for undertaking Resource Development related activities in the Pilbara region of Western Australia. This EMP will apply to all proposed activities including Low Impact Authorised Activities (as defined in the Mining Act Amendment Bill 2015) and those proposed partially or wholly within areas of elevated conservation significance as defined in

Table 1 below.

Table 1: Environmentally Sensitive Areas – Tiered Management Approach

Category	Name	Identifier	Status	Tier	Vested Authority
Declaration of Environmentally Sensitive Areas under section 51B of the Environmental Protection Act 1986, values specially protected by the state Biodiversity Conservation Act 2016 and commonwealth Environment Protection and Biodiversity Conservation Act 1999.	Millstream Chichester National Park	Crown Reserve 38333 and 30071 – Class A	Existing	1	DBCA
	Karijini National Park	Crown Reserve 30082 – Class A	Existing	1	DBCA
	Register of National Estate	-	-	1	-
	Themeda Grasslands on cracking clays Threatened Ecological Community (TEC)	46. Themeda Grasslands {VU A}	Existing	1	DBCA
	Ethel Gorge aquifer stygobiont community TEC	78. Ethel Gorge {EN B} ii}	Existing	1	DBCA
	Threatened Fauna and associated critical/core habitat	-	Existing	1	DBCA
	Areas within 50 m of Threatened Flora	-	Existing	1	DBCA
	Infrastructure Corridor	5(1)(g) Reserve 41696 (Class C – managed as part	Existing	1	DBCA

		of Karijini National Park)			
DBCA Land of Interest	Proposed Conservation Estate/ Ex-Pastoral Stations	(Ex-stations) Yarraloola, Yalleen, Hamersley, Juna Downs, Rocklea, Marillana and Karratha stations	Proposed	2	DBCA
Areas designated as Water Reserves or Public Drinking Water Supply Areas (PDWSA)	Millstream Water Reserve	Water Supply Reserve 38991	Existing	2	DWER/ Water Corporation
	Harding Dam Catchment Area	Water Supply Reserve 35798	Existing	2	DWER/ Water Corporation
	Bungaroo Creek Water Reserve	Bungaroo Creek Water Reserve	Existing	2	DWER/ Water Corporation
	Southern Fortescue and Marandoo Water Reserves	Southern Fortescue and Marandoo Water Reserves	Existing	2	DWER/ Water Corporation
	Newman Water Reserve	Newman Water Reserve	Existing	2	DWER/ Water Corporation
Species, communities and ecosystems recognised in the conservation framework	Priority flora and fauna, Priority ecological communities	-	Existing	2	DBCA

All proposed activities are assessed internally by SME's through the ARC System to determine the level of environmental risk relevant to the works. Where a proposal is located within a location listed above in

Table 1, additional external environmental approvals may be required. When operating in these areas of elevated conservation significance RTIO has adopted a tiered management approach to define the additional environmental controls required depending on the environmental risk posed by the activity. Controls in Tier 1 and Tier 2 areas are in addition to the general controls implemented for all Resource Development.

This EMP outlines the objectives, management actions, performance indicators and reporting requirements for each relevant environmental aspect associated with the operations undertaken in Resource Development areas.

When working within Water Reserves or Public Drinking Water Source Areas (PDWSA), staff and contractors will follow, where practicable, the recommendations within the published water quality protection notes (WQPN) relevant to Resource Development activities (available online at Department of Water and Environmental Regulation website). Relevant WQPNs include:

- WQPN 10: Contaminant spills – emergency response
- WQPN 65: Toxic and hazardous substances – storage and use
- WQPN 83: Infrastructure corridors near sensitive water resources
- WQPN 84: Rehabilitation of disturbed land in PDWSA's

The key aspects which will be managed in line with WQPNs include but are not limited to:

- Hydrocarbon management;
- Sewage management;
- Refuelling activities; and
- Vegetation clearing.

4.1 Ground Disturbance and Land Clearing	
Responsibilities	Owner GM Resource Development
	Task Holder Approval Permit Owner
<p>Objectives</p> <ul style="list-style-type: none"> • To comply with all issued approval conditions with AR Permits. • To avoid or minimise impacts to environmentally sensitive areas, where practicable. • To minimise disturbed areas, as far as practicable. • To prevent unauthorised clearing of land and minimise adverse impacts. • Ensure clearing and rehabilitation data is collected and reported in accordance with internal and external requirements. 	
<p>Management</p> <ul style="list-style-type: none"> • All proposed ground disturbance must undergo a planning phase and be approved through the AR process to ensure all internal and external legal requirements are met (includes, but not limited to: exclusion and restriction zones; for example heritage and priority flora). <ul style="list-style-type: none"> ○ Biological SME reviews AR and provides advice on potential features of environmental significance. ○ If review of aerial imagery identifies potential significant flora or fauna habitat, a field survey would be undertaken prior to any ground disturbance. ○ If any features of elevated conservation significance are identified they are avoided through the AR permit process (where practicable). ○ If activities are proposed in an area where no baseline flora and fauna information exists, a desktop assessment (including information from publically available data sets and any data available from nearby or adjacent areas) and / or a field survey is undertaken prior to any ground disturbance. ○ Existing tracks are used where possible to reduce the cumulative impact of activities within an area. • An approved AR permit is required prior to any ground disturbance occurring. Execution of ground disturbing activities to occur in accordance to AR permit. • AR boundary and exclusion and restriction areas are programmed into machinery guidance system that defines the approved work area. • All ground disturbance and rehabilitation activities are recorded in GIS spatial data files which inform annual reporting. • Soil resources and rehabilitation are to be managed as per approval requirements. • Vehicles and machinery are to use existing tracks where practicable. • All tracks will be constructed and maintained to ensure minimal impact on natural surface drainage patterns and to ensure surface run-off does not impact surrounding lands. 	

- Staged or progressive clearing of drill pads and tracks will occur where possible to minimise the potential for erosion.
- Ground disturbance will be planned to avoid surface drainages where practicable.
- Sumps of appropriate capacity will be constructed to contain drilling cuttings.
- Once disturbed areas are no longer required, they will be progressively rehabilitated.
- Potential impacts to priority flora will be identified and risk assessed through the RTIO ARCS process. Priority flora and ecological communities will be avoided in the first instance and impacts minimised.
- All light vehicles (including registered trucks) will carry an appropriate working fire extinguisher while drills rigs / booster units and earthmoving equipment will be fitted with both fire extinguishers and fire suppression.

Additional controls - Tier 1 areas

- RTIO will consult with the Department of Biodiversity Conservation and Attractions (DBCA) prior to accessing National Parks, or progressing any approvals associated with activities within National Parks.
- Prior to undertaking ground disturbing activities a biological survey will be undertaken in accordance with RTIO requirements to support a NVCP application.
- A NVCP will be obtained and the environmental management measures listed both within the issued clearing permit and outlined in this EMP will be implemented.
- For vegetation communities that are not part of a TEC but are directly adjacent to a TEC, additional environmental management measures may be implemented if deemed appropriate on the advice from the RTIO Environment Operations team.
- No clearing within 50m of national parks boundary.
- Final close out report (where required) to be completed when activities are complete.

Additional controls - Tier 2 areas

- RTIO will consult with the DWER (Water branch) and/or DBCA for works in PDWSA or DBCA Land of Interest/Proposed Conservation Estates.
- A Biological Assessment Summary (BAS) will be provided to DBCA/DMIRS for works in DBCA Land of Interest/Proposed Conservation Estate only. The purpose of a BAS is to:
 - Outline RTIO Operational Controls;
 - Review AR and available biological information;
 - Provide an assessment of biological risks; and
 - Summarise amendments and changes to AR that reduce biological risks.
- Works are to be carried out in line with 'Memorandum of Understanding' between Department of Mines, Industry Regulation and Safety and the Department of Water and Environmental Regulation – Environmental Protection Authority Services where applicable (Section 8).
- No clearing within 50m of national parks boundary.
- Final close out report (where required) to be completed when activities are complete.

Performance Indicators

- Compliance with external approvals including but not limited to clearing limits, topsoil storage/handling and rehabilitation.

Monitoring

- Cleared areas are to be assessed for compliance to the AR permit requirements following ground disturbance works.
- Reconciliation of clearing area.

Reporting

- Breaches of the RTIO business AR process (including external approval conditions) shall be reported as an incident as per Iron Ore (WA) Non-Conformance, Incident and Action Management Procedure.
- Out of control bushfires, as a result of the company's activities will be reported to the relevant authority under the *Bush Fires Act 1954*, and if in or adjacent to a conservation area, to the Parks and Wildlife Service's Pilbara Regional Officer (emergency only) and Pilbara Regional Manager (see Section 6).

4.2 Hydrocarbon and Chemical Management	
Responsibilities	Owner GM Resource Development
	Task Holder Approval Permit Owner
Objective	
<ul style="list-style-type: none"> • To collect, treat, transport and dispose of wastes in an environmentally acceptable manner in accordance with relevant legislation. • To manage hydrocarbons and chemicals in accordance with relevant legislation. 	
Management	
<ul style="list-style-type: none"> • All hazardous materials storage facilities will be designed in accordance with the appropriate Australian design standards and legislation (i.e. containment bunds and chemical cabinets). • Spill control equipment shall be stored in high risk or sensitive locations to allow for a quick response to spills. • Any spills/ leaks shall be contained and managed in accordance with the internal spill management processes and procedures which follow the control, contain, clean-up and report methodology and reported in accordance with the relevant tenement conditions. • Biodegradable drilling fluids will be utilised where possible. • A licensed controlled waste carrier shall transport controlled waste in accordance with <i>Environmental Protection (Controlled Waste Regulations) 2004</i> and internal procedures for the management of controlled wastes. 	
Additional controls - Tier 1 and 2 areas	
<ul style="list-style-type: none"> • Where practicable, all refuelling of vehicles and machinery will occur outside of Tier 1 and 2 areas. No refuelling will occur within drainage lines or within the high water mark of PDWSA. If refuelling is required within these areas, fuel will be distributed from a service vehicle with a fuel tank on the back (10,000L maximum). Mobile equipment will be re-fuelled at the drill pad wherever possible and an operator will be present for the duration of the refuelling so as to prevent overfilling. Drip trays will also be used. • All planned servicing of vehicles will be conducted outside proposed and existing nature conservation reserves / areas and PDWSA's at a designated facility. Unplanned servicing (such as breakdowns and maintenance) within these areas will utilise drip trays and / or absorbent matting. • Where practicable, fuel will be sourced from existing facilities (e.g. mine sites) in preference to establishing temporary fuel storage facilities, in line with Water Quality Protection Note 56. <ul style="list-style-type: none"> ○ If required, temporary fuel or chemical storage will not exceed 250 litres within a Priority 1 (P1) PDWSA unless prior written approval has been received from the Department of Water and Environmental Regulation – Regulatory Services (Water). ○ If required, temporary fuel storage would not exceed 5000L in Priority 2 (P2) areas and would be outside of wellhead protection and reservoir protection zones. 	

- No underground hydrocarbon or chemical storage tanks are permitted within PDWSAs or Tier 1 / 2 areas.
- Above ground storage will not be located within well head protection zones (500 m in P1 areas, 300 m in P2 or P3 areas), or within reservoir protection zones (i.e. within 2 km of the top water level of a public water supply reservoir).
- Security locks will be fitted to unattended hydrocarbon dispensing hoses.
- Stormwater accumulated within fuel storage areas will be removed. Contaminated stormwater collected will be disposed of appropriately (e.g. utilise licensed disposal / treatment facility).
- Activities undertaken in accordance with WQPN 10: *Contaminant spills – emergency response* and WQPN 65: *Toxic and hazardous substances – storage and use*.

Performance Indicators

- No chemical or hazardous waste materials spilled which result in material environmental harm and cannot be recovered, including impact to groundwater, surface water or vegetation and which requires external notification to regulatory authorities.
- All environmentally hazardous chemicals stored within appropriately bunded facilities.

Monitoring

- Premise inspections and desktop audits will be completed based on the risk and sensitivity of the area and will determine:
 - Appropriate storage and handling of controlled wastes and neat hydrocarbon/chemical products.
 - Spill kits availability in areas of risk or sensitivity. Hydrocarbon or chemical specific kits are to be available based on the material stored.
 - Evidence of spills or leaks as a result of equipment failure.
 - Internal incident reporting for all spills and external reporting where required.
- Collection of controlled waste data and maintenance of controlled waste receipts in line with the *Environmental Protection (Controlled Waste Regulations) 2004*.

Reporting

- Any incidents, near misses and non-compliances shall be dealt with as per Iron Ore Non Conformance, Incident and Action Management Procedures.
- Spills within existing and proposed conservation areas, where potential environmental harm has occurred, will be reported to the DBCA – Parks and Wildlife Service's Pilbara Environmental Officer by email as soon as practicable (see Section 6 Project Notification for contact details).
- Spills which are unrecoverable or have the potential to cause material environmental harm within a PDWSA will be reported to the Water Corporation and DWER as soon as practicable (see Section 6 Project Notification for contact details) and in accordance with the tenement conditions or legislative requirements.

4.3 Non-Mineral Waste Management	
Responsibilities	Owner GM Resource Development
	Task Holder Approval Permit Owner
Objectives	
<ul style="list-style-type: none"> • To minimise the generation of waste by Resource Development works. • To dispose and manage waste in a manner compliant with legislative requirements. 	
Management	
<ul style="list-style-type: none"> • The Proponent will implement the appropriate internal Non-Mineral Waste Management Procedures and Management Plans for all Resource Development works. • All waste storage facilities will be designed in accordance with the appropriate Australian design standards and legislation (i.e. containment bunds). • All waste (including hydrocarbon, chemical and other controlled waste) generated is to be removed immediately for disposal at appropriately licensed or approved facilities. • A licensed controlled waste carrier shall transport controlled waste in accordance with <i>Environmental Protection (Controlled Waste Regulations) 2004</i> and Iron Ore Controlled Waste Guidelines and Work Practices. 	
Additional controls - Tier 2 areas	
<ul style="list-style-type: none"> • Drilling programmes within PDWSAs will utilise a 'mobile amenity caravan' with built in black water storage capacity and / or self-contained combusting toilets. 	
Performance Indicators	
<ul style="list-style-type: none"> • Compliance with the requirements of the licensed disposal facilities utilised. • Compliance with <i>Environmental Protection (Controlled Waste Regulations) 2004</i>. 	
Monitoring	
<ul style="list-style-type: none"> • Premise inspections and desktop audits will be completed based on the risk and sensitivity of the area and will determine: <ul style="list-style-type: none"> ○ Segregation of waste is appropriate for the area and type of work being conducted. ○ Disposal facilities are demarcated and placed in locations to maximise use. ○ If wind-blown rubbish is present. • Collection of controlled waste data and maintenance of controlled waste receipts in line with the <i>Environmental Protection (Controlled Waste Regulations) 2004</i>. • Collection of waste data. 	
Reporting	
<ul style="list-style-type: none"> • Non-compliances shall be reported as an incident within the Proponents Non Conformance, Incident and Action Management Procedures and in accordance with legislative requirements. 	

4.4 Weed Management	
Responsibilities	<p>Owner GM Resource Development</p> <p>Task Holder Approval Permit Owner</p>
<p>Objectives</p> <ul style="list-style-type: none"> To prevent the introduction and spread of weeds within disturbance footprints, directly attributable to Resource Development works. <p>Note: RTIO define weed attribution as new weed specimens or populations of existing species that are established within approved footprints that can be directly linked to Resource Development vehicle movement and drilling activities. Factors which may not be attributable to Resource Development include but are not limited to weed movement by wind, cattle or natural surface water flow processes.</p>	
<p>Management</p> <ul style="list-style-type: none"> Prior to works commencing a desktop review of weed occurrence within the proposal area will be undertaken as part of the AR process. Known populations of weeds within project areas will be identified on site plans, with 'weed data' updated in the RTIO business' Geographic Information System (GIS) post vegetation survey work. All earthmoving and ground engaging equipment will be inspected and cleaned of vegetation, mud and soil prior to entry and exit from site. The Proponent will implement equipment hygiene inspection procedure for the cleaning of ground engaging equipment prior to transportation to and between RTIO sites. As outlined in the procedure, all mobile equipment shall be free of all vegetative and soil matter prior to the arrival to an area and also at the departure from a site. Where weeds are identified by field team within the defined approval boundary, additional inspections will be completed. RTIO utilises the methods of dry brushing and/ or air blowing to remove the build-up of rock, mud and vegetation. Once assessed and equipment is clean an equipment hygiene inspection certificate is completed and a copy is saved. Resource Development will implement weed management procedures and management plans, both specific for Resource Development works and in line with RTIO business strategies. The plans/procedures will include provision for weed management activities as required. If a new weed species, which is defined as rapidly invasive and of high ecological impact (as per DBCA Pilbara Impact and Invasiveness ratings), is identified and is found to be directly attributable to Resource Development activities, then weed treatment will be undertaken to a level commensurate with the immediate surrounding land use quality. Only contractors who hold a current pest management technician license are to be used or direct employees of RTIO. <p>Additional Controls – Tier 2 Areas</p> <ul style="list-style-type: none"> Weed Management within PDWSAs will be conducted in accordance with Country Areas Water Supply Bylaws (1957) and Public Sector Circular 88 Use of Herbicides in Water Catchment Areas (PSC88) (Department of Health, 2006). Records of the herbicide and dates of use in PDWSAs will be retained. 	

Performance Indicators

- Weed identification guides maintained on-site (verified during risk based premise inspections).
- Verification of equipment hygiene inspection certificate completion during risk based desktop audits.
- No new weeds which are rapidly invasive and of high ecological impact found at established rehabilitation monitoring locations, which are directly attributable to Resource Development activities.
- No increase in spread of the known populations of weeds within disturbance footprints, directly attributable to implementation of Resource Development activities.

Monitoring

- Annual desktop assessment of priority weed management areas for planned Resource Development works. Information from RTIO's GIS database will be used to inform annual planning for weed management activities.
- Rehabilitation photo monitoring will be completed within 4 years of rehabilitation being completed and is used to make an assessment of weed identification and presence.
- Site inspections for weed presence will be opportunistic and aligned with rehabilitation monitoring activities required by the respective approval.

Reporting – Tier 2

- Weed survey and management information within DBCA Lands of interest and species, communities and ecosystems recognised in the conservation framework will be provided to DBCA as requested.

4.5 Discharge Management	
Responsibilities	Owner GM Resource Development
	Task Holder Approval Permit Owner
Objectives	
<ul style="list-style-type: none"> • To minimise the impacts on the quality and quantity of surface waters. • To contain any contaminated water within appropriately bunded areas. • To minimise unnecessary disturbance to natural surface drainages. 	
Management	
<ul style="list-style-type: none"> • A 26D and / or 5C water licence from the DWER authorising bore construction and discharge during test pumping will be managed through the AR process to ensure all internal and external legal requirements are met. • Design and construct drill pad and sumps to maximise settling period for the collected discharge. • A licensed water bore driller, utilising appropriate drilling equipment and techniques will be utilised to construct bores. • Approved biodegradable drilling fluids will be utilised. • All discharge, including cuttings, to be contained within sumps (where practicable) during bore construction. • In the absence of any regulatory / licensed discharge limits all discharge is to comply with section 4.3 ('Livestock drinking water quality') of the Australian and New Zealand guidelines for fresh and marine water quality: Volume 1, for pH (6.0 - 9.0 pH units), EC (3,730 µS/cm) and TDS (2,500 mg/L) and carry minimal sediment load. Water released to the environment during test pumping is sourced directly from the aquifer below and in un-modified prior to discharge. The immediate receptor, prior to the water soaking into the ground or evaporating, is livestock (or native fauna); thus livestock drinking water quality guidelines for EC, pH and TDS are applicable. The risk of test pumping discharge negatively impacting a PDWSA is low. • Test pumping will be conducted as per program specific Discharge Management Plans, which include: <ul style="list-style-type: none"> ○ A summary of the test pumping program (including predicted discharge volumes and water quality) and the proposed outcomes; ○ A map of the proposed controlled path of discharge; ○ A project / program specific environmental risk register; including a summary of controls for identified environmental risks; and ○ Identification of key operational stakeholders. • Prior to test pumping, groundwater will be analysed in the field (pH, EC or TDS only) to ensure compliance with external licencing requirements and / or section 4.3 ('Livestock drinking water quality') of the Australian and New Zealand guidelines for fresh and marine water quality: Volume 1. 	

- When discharging into a flowing creek, the background water chemistry of the creek and the discharge water (pH, EC or TDS only) will be determined in the field prior to mixing.
- Discharge waters will be monitored during discharge, via in-situ sampling.
- A site specific assessment will be made to determine if water diversion banks / bunds are required to prevent erosion due to surface water flow.
- Erosion control measures will be implemented at the discharge point.
- If discharge has the potential to adversely impact on the surrounding environment, and in particular any sensitive environmental receptors, then preventative measures will be implemented to mitigate any impacts including but not limited to:
 - Ceasing test pumping until the wetting footprint recedes prior to continuing.
 - Designing sumps to capture the anticipated volume of water during test pumping.
 - Instating a flow path which avoids sensitive receptors.
- Water bores that require disinfection will be disinfected in line with Section 14 of 'Minimum Construction Requirements for Water Bores in Australia'.

Performance Indicators

- Compliance with conditions of the 26D and / or 5C water licence.
- Development / implementation of a project / program specific Discharge Management Plan.
- Compliance with discharge water quality limitations, volumes and annual reporting requirements.

Monitoring

- Field analysis of pH, EC and TDS prior to test pumping and comparison to the limits set out in the 'Livestock drinking water quality' section of the Australian and New Zealand guidelines for fresh and marine water quality: Volume 1.
- Post works field inspection of hydro drilling works by the earthworks supervisor or delegate.

Reporting

- All breaches to water licences and water quality limits shall be reported as per the approval requirement.
- Unauthorised discharge will be reported (where required) with any areas impacted by discharge remediated as soon as practicable.

4.6 Rehabilitation	
Responsibilities	Owner GM Resource Development
	Task Holder Approval Permit Owner
Objectives	
<ul style="list-style-type: none"> To ensure landforms and other disturbed areas, at the completion of activities are safe, stable and capable of supporting native vegetation, to allow integration into the surrounding environment. To ensure good environmental outcomes and strategic rehabilitation practices across Pilbara wide operations. 	
Management	
<ul style="list-style-type: none"> Progressive rehabilitation shall occur as soon as practicable at the end of drilling activities with consideration given to timing of rehabilitation due to seasonality changes. Rehabilitation material (including topsoil) removed by clearing is collected and stored. Where tracks remain open for access, it is anticipated that all remaining rehabilitation of these areas to occur no later than 6 months of PoW expiry. Water bore drill holes that are no longer required will be decommissioned, backfilled and capped according to the techniques described in the National Minimum Bore Specifications Committee Minimum Construction Requirements for Water Bores in Australia (National Minimum Bore Specifications Committee 2012) Rehabilitation of abstraction bores or bores that intersect more than one aquifer will be backfilled using packers and cement grout or bentonite seal to prevent contamination or mixing of water between aquifers. Drill holes within confined aquifers will be sealed to prevent uncontrolled discharge to the surface. Remedial earthworks will be undertaken if monitoring determines that regeneration of disturbed areas is unlikely to achieve the species composition, structure and density comparable to adjacent undisturbed reference areas. Rehabilitation of tracks and other disturbance shall be conducted in accordance with this EMP which will consist of: 	
Timeframe	Task
Immediate	Temporary capping of drill holes post drilling. <hr/> All sample bags will be removed post drilling and disposed of appropriately. <hr/> Any sump liners, which may have been installed, are to be removed and disposed of.
Within 6 months of holes being drilled	Cutting and plugging of all drill collars at least 400mm below ground level (unless required for subterranean fauna/ groundwater investigations). <hr/> Sumps and excavation infill.

<p>Within 6² months of cessation of drilling program</p>	<p>Re-establishment of natural landform and drainage patterns.</p> <hr/> <p>Re-spreading of stockpiled topsoil and vegetation.</p> <hr/> <p>Shallow ripping / scarifying along the contour.</p>
<p>Within 6² months of the PoW expiring</p>	<p>All disturbances conducted under a PoW are to be rehabilitated within 6 months of the PoW expiring, unless endorsed (DMIRS) to remain open to facilitate ongoing access to other areas.</p>
<p>Note: A 6 month timeframe for rehabilitation limits RTIO in efficiently executing large scale rehabilitation programs commensurate with the scale of works within the Pilbara.</p>	
<p>Additional controls – Tier 1 areas</p>	
<ul style="list-style-type: none"> • Representative rehabilitation monitoring of pads and tracks within Resource Development areas and in accordance with the requirements of the relevant PoW and NVCP. • Rehabilitation summaries will be provided to the DBCA – Parks and Wildlife Pilbara Environment officer. 	
<p>Additional Controls – Tier 2 areas</p>	
<ul style="list-style-type: none"> • Rehabilitation within PDWSAs to be in accordance with WQPN 84: Rehabilitation of disturbed land in PDWSAs. 	
<p>Performance Indicators</p>	
<ul style="list-style-type: none"> • Rehabilitation is stable, supportive of native vegetation and compatible with surrounding land uses. • Compliance with PoW and NVCP rehabilitation timeframes for pads and tracks. 	
<p>Performance indicators – Tier 1 areas</p>	
<ul style="list-style-type: none"> • The species composition, density and distribution of plants, within rehabilitated areas, shall be comparable with that of the surrounding environment. • Rehabilitated areas are to be assessed by a suitably qualified specialist as per the requirements of the NVCP. 	
<p>Monitoring</p>	
<ul style="list-style-type: none"> • Rehabilitation photo monitoring shall be conducted to monitor for rehabilitation success as per the requirements of the approval which the work was completed under (includes erosion risk). • Monitoring will be completed within four years of rehabilitation, or as per the conditions in the PoW or NVCP applicable to the program. 	
<p>Rehabilitation Deferral</p>	
<ul style="list-style-type: none"> • Where pad and track rehabilitation is proposed to be undertaken, post the approved timeframe for rehabilitation, a formal request to defer rehabilitation will be outlined in the Request for Deferral of the Annual Rehabilitation Report. 	

² All rehabilitation will be undertaken within 6 months of disturbance occurring (a requirement of tenement conditions) unless written approval has been obtained from the DMIRS Environmental Compliance Branch to complete rehabilitation within 12 months of cessation of the drilling program.

- Where areas are proposed to be left open for ongoing access, rehabilitation will be undertaken in all immediately adjacent areas no longer required for the purpose of which they were cleared.
- Deferral of rehabilitation may be required for the following reasons:
 - Tracks and pads required for subterranean monitoring (details of areas to remain open and the timeframes required to be outlined in annual report);
 - Tracks to remain open for on-going access to monitoring bores;
 - Arterial tracks to remain open for future exploration drilling program access (subject to approval) and;
 - Tracks to remain open for ongoing access to infrastructure.

4.7 Reporting					
Responsibilities	<table border="1" style="width: 100%;"> <tr> <td style="width: 30%;">Owner</td> <td>GM Resource Development</td> </tr> <tr> <td>Task Holder</td> <td>Environment Team</td> </tr> </table>	Owner	GM Resource Development	Task Holder	Environment Team
Owner	GM Resource Development				
Task Holder	Environment Team				
Objectives					
<ul style="list-style-type: none"> • To comply with PoW permit requirement to complete a report for all rehabilitation work that has been completed (includes photo monitoring of rehabilitation) during calendar year reporting period. • To provide a process to notify DMIRS of deferral of rehabilitation requests extending beyond 6 months since cessation of the drilling program. • To comply with reporting requirements defined <i>Environmental Protection Act 1986</i> Native Vegetation Clearing Permits annual reports submitted to DMIRS and DWER. 					
Reporting					
<ul style="list-style-type: none"> • Out of control bushfires directly resulting from the company's activities will be reported to the relevant authority under the <i>Bush Fires Act 1954</i>, and if in or adjacent to a conservation area, to the Parks and Wildlife Service's Pilbara Regional Officer (emergency only) and Pilbara Regional Manager (see section 6: Project Notification). • Accurate records of disturbance and rehabilitation activities of pads and tracks will be kept (GIS spatial files/ metadata and tracking registers). • DMIRS will be notified of any breach of this EMP or approval conditions that has the potential to result in environmental harm. • A summary of completed rehabilitation assessment (includes photo monitoring) and deferral of rehabilitation within legally required areas provided to DMIRS in the form of the following reports: <p>Annual Exploration Rehabilitation Report</p> <p>This report details PoWs completed within the reporting period and demonstrates all disturbance and rehabilitation (including supporting photos of revegetation establishment). A summary and map of each Reg ID will be populated as per DMIRS guidance document http://www.dmp.wa.gov.au/Documents/Environment/ENV-MEB-033.pdf. A report will be prepared for all PoWs following completion and assessment of rehabilitation.</p> <p>Request for Deferral of Rehabilitation Report</p> <p>This endorsed EMP entails an ongoing agreement between DMIRS and RTIO for the rehabilitation timeframes referenced in Section 4.6 - Rehabilitation. Deferral requests outside of these timeframes will be presented for endorsement within the deferral section of the Annual Exploration Rehabilitation Report.</p>					

Reporting – Tier 1 areas

When activities within National Parks / Proposed Conservation Estates are complete, the DBCA Environmental Officer will be provided with the final close out report that provides evidence that the appropriate environmental management measures were adhered to as well as the ability to undertake joint site inspections.

5 Environmental Risk Assessment

Rio Tinto uses a consistent HSEC qualitative risk analysis methodology for risk assessments, which is based on the following risk matrix.

Table 2: Risk matrix

Likelihood	Consequence				
	1 – Minor	2 – Medium	3 – Serious	4 – Major	5 - Catastrophic
A – Almost Certain	Moderate	High	Critical	Critical	Critical
B – Likely	Moderate	High	High	Critical	Critical
C - Possible	Low	Moderate	High	Critical	Critical
D - Unlikely	Low	Moderate	Moderate	High*	Critical
E - Rare	Low	Low	Moderate	High*	High*

Notes – All risks that have a critical risk classification from a qualitative analysis (using the risk determination matrix) must be re-evaluated using a level 3 quantitative analysis. *Consideration must be given to escalate all risks with a consequence of Major or Catastrophic and a classification of High to a Level 3 quantitative analysis.

Risk = consequence x likelihood

The following criteria are used to determine the consequence and likelihood of a risk event occurring (Table 3 and Table 4). The fundamental rule is to define the consequence first, as different consequences have different likelihoods.

Table 3: Consequence description

Consequence		Consequence description
Minor	On-site ³ Environment	Near-source confined and reversible impact able to be promptly rectified (typically a shift)
	Off-site Environment	Not applicable
Medium	On-site Environment	Near-source confined and short-term impact able to be promptly rectified (typically a week)
	Off-site Environment	Near-source confined and reversible impact, able to be promptly rectified (typically a shift)
Serious	On-site Environment	Near-source confined and medium-term recovery impact (typically a month)
	Off-site Environment	Near-source confined and short-term impact able to be promptly rectified (typically a week)

³ On- site is defined as the PoW/ NVCP boundary

Major	On-site Environment	Impact that is unconfined and requiring long-term recovery, leaving residual damage (typically years)
	Off-site Environment	Near-source confined and medium-term recovery impact (typically a month)
Catastrophic	On-site Environment	Impact that is widespread unconfined and requiring long-term recovery, leaving major residual damage (typically years)
	Off-site Environment	Impact that is unconfined and requiring long-term recovery, leaving residual damage (typically years)

Table 4: Likelihood descriptions

Likelihood	Likelihood description	Frequency
Almost certain	Recurring event during the life of an operation.	Occurs more than twice a year.
Likely	Event that may occur frequently during the life of an operation.	Typically occurs once or twice a year.
Possible	Event that may occur during the life of an operation.	Typically occurs in 1-10 years.
Unlikely	Event that is unlikely to occur during the life of an operation.	Typically occurs in 10-100 years.
Rare	Event that is very unlikely to occur during the life of an operation.	Greater than 100 year event.

To support the environment aspects defined in Section 4 a risk register has been populated of the key environment and compliance risk scenarios (Table 5) for mineral evaluation activities undertaken in the field and suitable management controls.

Table 5: Mineral evaluation and drilling risk register

ID	Tiered level	Environmental Factor	Project Phase	Risk Scenario	Consequence	Likelihood	Inherent Risk Rating	Controls	Consequence	Likelihood	Current Risk Rating
1a	All	Biodiversity / Flora / Fauna / Ecosystem	AR Review	Inadequate biological information resulting in impact to Tier 1 (Threatened flora/fauna/ecological community) or Tier 2 (Priority flora/fauna/ecological community) values	Serious	Possible	High	<ul style="list-style-type: none"> - Clearing is managed in accordance with RTIO operating procedures including: <ul style="list-style-type: none"> • AR permits progressed and issued via the ARC System; • Environmental restriction and exclusion areas maintained on RTIO's GIS database; • Areas of significance (Tier 1 to 3) are identified via the AR process and through GIS database. - Desktop review of RTIO GIS database conducted by Biological SME to ensure previous survey coverage, methodology and age provides an adequate context for assessment of risks to Tier 1 and Tier 2 values. <ul style="list-style-type: none"> • Tier 1 and 2 values within the AR will be excluded and avoided where practical. • If SME deems survey coverage is inadequate, a field survey will be conducted to ensure adequate context for assessment of impacts; and • If desktop review or field survey identifies Tier 1 values are present in application, and these values cannot be excluded from the AR boundary, the relevant external approvals will be sought and managed via specific Conservation Management Plan if required. - AR boundary and exclusion and restriction areas are programmed into machinery guidance system that defines the approved work area. 	Serious	Unlikely	Moderate
1b	Tier 2 – DECA Land of Interest only	Biodiversity / Flora / Fauna / Ecosystem	AR Review	Inadequate biological information resulting in impact to Tier 1 (Threatened flora/fauna/ecological community) or Tier 2 (Priority flora/fauna/ecological community) values	Serious	Possible	High	<ul style="list-style-type: none"> - As above for 1a, plus; - SME to prepare Biological Assessment Summary for proposed works (including information from desktop assessment and any field surveys), to be submitted to DMIRS & DBCA, identifying biological context, risk assessment and mitigation measures. 	Serious	Unlikely	Moderate

ID	Tiered level	Environmental Factor	Project Phase	Risk Scenario	Consequence	Likelihood	Inherent Risk Rating	Controls	Consequence	Likelihood	Current Risk Rating
2a	All	Biodiversity / Flora / Fauna / Ecosystem	Mineral/hydrogeological exploration	Unauthorised ground disturbance resulting in over clearing of vegetation	Serious	Possible	High	<ul style="list-style-type: none"> - Clearing is managed in accordance with RTIO operating procedures including: <ul style="list-style-type: none"> • AR permits issued via the ARC System; • Area is reviewed by Biological SME; and • Environmental restriction and exclusion areas are maintained on RTIO's GIS database. - AR boundary and exclusion and restriction areas are programmed into machinery guidance system that defines the approved work area; - All ground disturbance and rehabilitation activities are recorded in GIS spatial data files which inform annual reporting; - Project notification for access to and works within DBCA managed areas; - An approved AR permit is required prior to any ground disturbance occurring; - Execution of ground disturbing activities to occur in accordance to AR permit; - Soil resources and rehabilitation are to be managed as per approval requirements; - Vehicles and machinery are to use existing tracks where practicable. - All tracks will be constructed and maintained to ensure minimal impact on natural surface drainage patterns and to ensure surface run-off does not impact surrounding lands; - Ground disturbance will be planned to avoid surface drainages where practicable; - Sumps of appropriate capacity will be constructed to contain drilling cuttings; - Once disturbed areas are no longer required, they will be progressively rehabilitated; - Priority flora and ecological communities will be avoided as far as practicable; - All light vehicles (including registered trucks) will carry an appropriate working fire extinguisher while drills rigs / booster units and earthmoving equipment will be fitted with both fire extinguishers and fire suppression and - Ad-hoc premise inspections. 	Serious	Unlikely	Moderate
2b	Tier 1 and Tier 2 DBCA Land of Interest only	Biodiversity / Flora / Fauna / Ecosystem	Mineral/hydrogeological exploration	Unauthorised ground disturbance resulting in over clearing of vegetation	Serious	Possible	High	<ul style="list-style-type: none"> - As above for 2a, plus: <ul style="list-style-type: none"> - No clearing within 50m of national parks boundary; - Early engagement with DBCA to provide business context and overview of activities and if required separate supporting information and documents prepared (i.e. project proposals to be considered pursuant to Section 24 of the Mining Act 1978); and - Final close out report (where required) to be completed when activities are complete. - All hazardous material stored facilities to comply RTIO standards and procedures; - Spill control equipment (spill kits) shall be stored with all mobile equipment to allow for the prompt response to spills; - Internal incident reporting for all spills and external reporting where required; - Adherence to Public Drinking Water Source Areas and areas of significance where refuelling of vehicles and machinery is not permitted; Premise inspections and desktop audits will be completed based on the risk and sensitivity of the area; and - Collection of controlled waste data and maintenance of controlled waste receipts in line with the Environmental Protection (Controlled Waste Regulations) 2004. 	Serious	Unlikely	Moderate
3	All	Hydrocarbon management	Mineral/hydrogeological exploration	The use, transport and storage of hazardous materials results in groundwater contamination	Medium	Possible	Moderate	<ul style="list-style-type: none"> - All hazardous material stored facilities to comply RTIO standards and procedures; - Spill control equipment (spill kits) shall be stored with all mobile equipment to allow for the prompt response to spills; - Internal incident reporting for all spills and external reporting where required; - Adherence to Public Drinking Water Source Areas and areas of significance where refuelling of vehicles and machinery is not permitted; Premise inspections and desktop audits will be completed based on the risk and sensitivity of the area; and - Collection of controlled waste data and maintenance of controlled waste receipts in line with the Environmental Protection (Controlled Waste Regulations) 2004. 	Medium	Unlikely	Low

ID	Tiered level	Environmental Factor	Project Phase	Risk Scenario	Consequence	Likelihood	Inherent Risk Rating	Controls	Consequence	Likelihood	Current Risk Rating
4	All	Biodiversity / Flora / Fauna / Ecosystem	Mineral/ hydrogeological exploration	Inappropriate management of wastes resulting in windblown litter, local increase in feral fauna	Minor	Possible	Low	<ul style="list-style-type: none"> - Resource Development to adhere to RTIO non-mineral waste procedures and guidance; - All disposal facilities are demarcated and waste segregated; - A licenced controlled waste carrier shall transport waste in accordance with Environmental Protection (Controlled Waste Regulations) 2004; and - Premise inspections and desktop audits will be completed based on the risk and sensitivity of the area. 	Minor	Unlikely	Low
5a	All	Biodiversity / Flora / Fauna / Ecosystem	Mineral/ hydrogeological exploration	Spread of weeds outside of impact areas as a result of ineffective weed management	Medium	Possible	Moderate	<ul style="list-style-type: none"> - All earth moving and ground disturbance equipment to be inspected and cleaned prior to entering a site and also on departure. A completed Rio Tinto Equipment Hygiene Inspection Certificate must be completed and retained by Resource Development field teams; - Annual desktop assessment of priority weed management areas for planned Resource Development works. Information from RTIO's GIS database will be used to inform annual planning for weed management activities; - Assessment to be completed during rehabilitation photo monitoring (within four years of rehabilitation completed) to verify no rapid invasive weed or high ecological impact is present that can be attributed to Resource Development activities; - Weed control if weeds are determined to be attributed to Resource Development activities; and - Site inspections for weed presence. 	Medium	Unlikely	Low
5b	Tier 1 and Tier 2 DBCA Land of Interest only	Biodiversity / Flora / Fauna / Ecosystem	Mineral/ hydrogeological exploration	Spread of weeds outside of impact areas as a result of ineffective weed management	Medium	Possible	Moderate	<ul style="list-style-type: none"> - As above for 3a, plus; - New infestations or increased spread of weeds resulting from clearing activities that occur in conservation areas to be reported to DBCA; - Where weed specimens or populations of existing species are established and directly attributable to Resource Development activities, weed spraying and/or physical removal will be undertaken to a level commensurate with the surrounding land-use quality. Only contractors who hold a current pest management technician license are to be used or direct employees of RTIO. Assessment to be completed during rehabilitation photo monitoring (within four years of rehabilitation completed) to verify 	Medium	Unlikely	Low
6	All	Biodiversity / Flora / Fauna / Ecosystem	Mineral/ hydrogeological exploration	Unintended impact to significant fauna habitat (e.g. caves, rocky outcrops, riparian vegetation, BIF etc.)	Serious	Possible	High	<ul style="list-style-type: none"> - Clearing is managed in accordance with RTIO operating procedures including: <ul style="list-style-type: none"> • AR permits issued via the ARC System; • Area is reviewed by Biological SME; and • Environmental restriction and exclusion areas are maintained on RTIO's GIS database. - Areas identified (via a desktop assessment or field survey) with potential to have caves, rocky outcrops etc., are excluded from the AR permit. Exclusion buffers required by individual approval conditions will be instated within the GIS database to mitigate impacts to sensitive receptors. - AR boundary and exclusion and restriction areas are programmed into machinery guidance system that defines the approved work area; - All ground disturbance and rehabilitation activities are recorded in GIS spatial data files which inform annual reporting; - Project notification for access to and works within DBCA managed areas; and - Ad-hoc premise inspections. 	Serious	Unlikely	Moderate
7	All	Biodiversity / Flora / Fauna / Ecosystem	Mineral/ hydrogeological exploration	Bushfire from operational activities resulting in loss of vegetation, flora and fauna, with short term loss of biodiversity in the region	Minor	Possible	Low	<ul style="list-style-type: none"> - RTIO site emergency response team; - Local emergency management plan; - Installation and maintenance of firebreaks; and - Provision of firefighting equipment. 	Minor	Unlikely	Low

ID	Tiered level	Environmental Factor	Project Phase	Risk Scenario	Consequence	Likelihood	Inherent Risk Rating	Controls	Consequence	Likelihood	Current Risk Rating
8	All	Discharge management	Hydrogeological exploration	Water bore test pumping has adverse impacts to ground and surface waters (including drainage)	Medium	Possible	Moderate	<ul style="list-style-type: none"> - Groundwater abstraction water licences is managed in accordance with AR permits; - Discharge Management Plans are required to be completed prior to the commencement of test pumping programs. The document provides a summary of discharge volumes, expected path of discharge, risk assessment and identification of key stakeholders; - Risk assessment within PDNSAs (Tier 2) to include reference to Australian Drinking Water Guideline Framework (National Health and Medical Research Council, 2018) - If discharge has the potential to adversely impact on the surrounding environment, and in particular any sensitive environmental receptors, then preventative measures will be implemented; - Water quality limits as defined in licence or Australian and New Zealand standards must be adhered to at all times; - Where bore construction, air lifting or dosing may result in cuttings or increased sediment loads a sump will be constructed to contain the discharge; and - Erosion control matting used at point of discharge and lay flat piping to direct flow; and Post works field inspection of hydro drilling works by the earthworks supervisor or delegate. 	Medium	Unlikely	Low
9	All	Land Management	Mineral/ hydrogeological exploration	Ground disturbance resulting in erosion impacts to surrounding environment	Medium	Possible	Moderate	<ul style="list-style-type: none"> - Clearing is managed in accordance with RTIO operating procedures including: <ul style="list-style-type: none"> • AR permits issued via the ARC System; and • Rehabilitation work practices and guidelines. - A site specific assessment will be made to determine if water diversion banks / bunds are required to prevent erosion due to surface water flow. - Ground disturbance will be planned to avoid surface drainages where practicable; - Staged or progressive clearing of drill pads and tracks will occur where possible to minimise the potential for erosion; - Rehabilitation monitoring to assess erosion risk; - Consideration of timing of rehabilitation; and - Ad-hoc premise inspections. 	Medium	Unlikely	Low
10	All	Land Management	Mineral/ hydrogeological exploration	Soil deficit resulting from not collecting or managing topsoil resulting in reduced ability to rehabilitate areas with native vegetation	Medium	Possible	Moderate	<ul style="list-style-type: none"> - Clearing of rehabilitation material managed in accordance with RTIO standard operating procedure; and - Rehabilitation material (including topsoil) removed by clearing is collected and stored 	Medium	Unlikely	Low
11	All	Land Management	Mineral/ hydrogeological exploration	Lack of progressive rehabilitation resulting in non-compliance with relevant approval, resulting in delayed future approvals	Serious	Possible	High	<ul style="list-style-type: none"> - Progressive rehabilitation shall occur within 6 months of the cessation of drilling program (unless otherwise approved in writing by DMIRS); - Annual Resource Development budget and planning cycles; - Dedicated Resource Development planning team identify and schedule rehabilitation and directly link in with operational team to execute; and - Review of disturbance and rehabilitation data to inform annual reports and business tracking of performance. 	Serious	Unlikely	Moderate

ID	Tiered level	Environmental Factor	Project Phase	Risk Scenario	Consequence	Likelihood	Inherent Risk Rating	Controls	Consequence	Likelihood	Current Risk Rating
12	All	Land Management	Mineral/hydrogeological exploration	Ineffective rehabilitation planning results in incomplete rehabilitation and reduced biodiversity of the region	Serious	Possible	High	<ul style="list-style-type: none"> - Dedicated Resource Development planning team identify and schedule rehabilitation and directly link in with operational team to execute; - Minimum rehabilitation requirements outlined in AR permits and this EMP which include: <ul style="list-style-type: none"> • Temporary capping of drill holes; • All sample bags will be removed immediately post drilling and disposed of appropriately; • Removal of any sump liners which may have been installed to be removed and disposed of; • Within six months cutting and plugging of all drill collars at least 400mm below ground level (unless required for subterranean faunal/groundwater investigations); and • Within 6 months of cessation of drilling rehabilitation works to be completed which include sump infill, re-spreading of topsoil/vegetation and shallow ripping along contours (unless otherwise approved in writing by DMIRS). - Review of disturbance and rehabilitation data to inform annual reports and business tracking of performance. 	Serious	Unlikely	Moderate
13	All	Compliance	Mineral/hydrogeological exploration	Non-adherence to annual reporting obligations for PoW and NVCP approvals	Medium	Possible	Moderate	<ul style="list-style-type: none"> - Resource Development environment advisor role prepares and submit reports; - Current tracking registers for PoW and NVCP approvals; - GIS spatial data files of approvals areas; and - Metadata assigned to disturbance and rehabilitation. 	Medium	Unlikely	Low

6 Project Notification

The following contact details can be used for notification to the relevant people / departments. Such scenarios may include, but are not limited to the tabulated scenarios:

Scenario	Name and Role	Department	Contact Details
Access to a CALM Act Reserve	Conservation and Development Management Officer	Department of Biodiversity, Conservation and Attractions – Parks and Wildlife Service	Karratha.admin@dbca.wa.gov.au 08 9182 2005 / 0427 632 739
Access to a tenement which requires notification to Water Corporation e.g. Water Supply Reserve 38991	Clairly Lance – Team Leader Source Protection Cathryn Bell Technical Advisor – Water Quality NWR	Water Corporation	Clairly.Lance@watercorporation.com.au 0427 081 595 Cathryn.Bell@watercorporation.com.au 08 9186 8224
Access to a RTIO work area	Chris Morris – Superintendent Environment	RTIO business: Resource Development	Christopher.Morris@riotinto.com 0447 109 763
Emergency	SRS Manager / Response team	Department of Mines, Industry Regulation and Safety	minessafety@dmirs.wa.gov.au 08 9358 8001
Emergency e.g. wildfire	Pilbara Regional Duty Officer (emergency only)	Department of Biodiversity, Conservation and Attractions – Parks and Wildlife Service	08 9182 2088
	Allisdair MacDonald Pilbara Regional Manager (out of control bushfires)	Department of Biodiversity, Conservation and Attractions – Parks and Wildlife Service	Allisdair.Macdonald@dbca.wa.gov.au 08 9182 2000
	Daniel Petersen Karijini National Park Senior Ranger	Department of Biodiversity, Conservation and	Daniel.Petersen@dbca.wa.gov.au 08 9189 8147

		Attractions – Parks and Wildlife Service	
Emergency within PDWSA e.g. Significant hydrocarbon spill	After Hours Incident – Water Quality	Water Corporation	08 9420 2424
Rehabilitation, incident reports etc.	Pilbara Environmental Officer/ Regional Nature Conservation Leader	Department of Biodiversity, Conservation and Attractions – Parks and Wildlife Service	08 9182 2000 Karratha.admin@dbca.wa.gov.au

The DBCA – Parks and Wildlife Service will be provided at least 5 business days notification (via email) prior to accessing a Conservation Reserve. The notification will be provided to the Parks and Wildlife Service's Environmental Officer and will include:

- an entry date to the reserve;
- a proposed timeframe for which RTIO will be accessing the reserve for; and
- a direct contact number for the site supervisor to ensure that Parks and Wildlife Service has a direct line of contact in case of emergency (e.g. bushfire).

Following on from the email, at least 48 hours prior to the planned vehicular access, the DBCA Park Rangers are to be contacted via telephone (08 9189 8147) to discuss current and forecasted weather during the proposed access period.

Should the DBCA Park Rangers or other relevant Parks and Wildlife Service staff wish to inspect or view Project activities (prior, during and / or after) contact with the Superintendent Environment, who will arrange for safe passage within the project areas.

Where required by tenement condition, the Water Corporation, Karratha will be provided at least six weeks notification (via email) prior to accessing and exploring on Water Supply Reserves (e.g. Water Supply Reserve 38991 on E47/00054) and will include:

- an entry date to the reserve;
- a proposed timeframe for which RTIO will be accessing the reserve for; and
- the type and extent of the proposed ground disturbing activities.

Should the Water Corporation staff want to inspect or view Project activities on site (prior, during and / or after) they should contact the Superintendent Environment, who will arrange for safe passage within the project areas.

7 Definitions

Approvals Request (AR) Permit	Permit issued by Rio Tinto Iron Ore to authorise the commencement of certain works onsite, including land clearing.
Attributable – weeds	Where new weed specimens or populations of existing species are established with PoW approval footprints that can be directly linked to Resource Development vehicle movement and erosion. Factors which may not be attributable to Resource Development include but are not limited to weed movement by wind, cattle or natural flow processes.
Biological SME	Subject Matter Expert – Botanist/Ecologist with > 5 years' experience.
Conservation reserves	Conservation reserves are areas of Crown land set aside for the protection and conservation of biodiversity and / or natural or cultural heritage values. There are three main types of conservation reserves in Western Australia - nature reserves, national parks and conservation parks.
DBCA	Department of Biodiversity Conservation and Attractions
DMIRS	Department of Mines, Industry Regulation and Safety
DWER (Water)	Department of Water and Environmental Regulation – Regulatory Services (Water)
EMP	Environmental Management Plan
Environmental harm	<p>As defined in the <i>Environmental Protection Act 1986</i> (Part 1 s. 3A).</p> <p>Means direct or indirect:</p> <ul style="list-style-type: none"> • harm to the environment involving removal or destruction of, or damage to native vegetation or the habitat of native vegetation or indigenous aquatic or terrestrial animals; • alteration of the environment to its detriment or degradation or potential detriment or degradation; • alteration of the environment to the detriment or potential detriment of an environmental value; or • alteration of the environment of a prescribed kind.
Environmentally Sensitive Area	<ul style="list-style-type: none"> • A declared World Heritage property as defined in section 13 of the <i>Environment Protection and Biodiversity Conservation Act 1999</i> of the Commonwealth; • An area that is registered on the Register of the National Estate, because of its natural values, under the <i>Australian Heritage Commission Act 1975</i> of the Commonwealth; • A defined wetland and the area within 50 m of the wetland; • the area covered by vegetation within 50 m of rare flora, to the extent to which the vegetation is continuous with the vegetation in which the rare flora is located; • The area covered by a Threatened Ecological Community (TEC); • Public Drinking Water Source Areas (PDWSAs); and / or • National Parks (both existing and proposed).

Ground disturbance	<p>Ground disturbance is defined as any disturbance of the ground. For example:</p> <ul style="list-style-type: none"> • establishing fence lines around heritage sites, firebreaks and tracks; • excavation of a depression for pit traps (fauna trapping) or Induced Polarisation Surveys; • clearing vegetation and soil for camp establishment and drilling pads; • major modifications (e.g. realignment, drainage upgrade etc.) to existing tracks / roads; and / or. • installing star pickets for the establishment of survey stations or environmental monitoring points.
HSEQ MS	Rio Tinto Health, Safety, Environment and Quality Management System
Land clearing	Any disturbance of native vegetation including rehabilitated or regenerated areas. Includes low impact disturbance resulting from driving over vegetation.
Low Impact Authorised Activities	Activities occurring within areas as defined in the <i>Mining Act Amendment Bill 2015</i>
Native Vegetation Clearing Permit (NVCP)	A Native Vegetation Clearing Permit (NVCP) is required to clear native vegetation unless the clearing is for an exempt purpose (as specified in Schedule 6 of the <i>Environmental Protection Act 1986</i> or Regulation 5 of the Environmental Protection (Clearing of Native Vegetation) Regulations 2004).
Rapid Invasive Weed / High Ecological Impact	As defined by the Pilbara Impact and Invasiveness Ratings determined by the Department of Biodiversity, Conservation and Attractions. Available at: https://www.dpaw.wa.gov.au/plants-and-animals/plants/weeds/156-how-does-dpaw-manage-weeds
Resource Development	Resource Development – A division of the RTIO business whose objective is to expand and convert resources to reserves and improve and manage orebody knowledge for studies and operations.
Parks and Wildlife Service	Department of Biodiversity, Conservation and Attractions – Parks and Wildlife Service
Public Drinking Water Source Area (PDWSA)	<p>Is the collective description for:</p> <ul style="list-style-type: none"> • Underground Water Pollution Control Areas; • Water Reserves; and • Catchment Areas. <p>Declared under the <i>Metropolitan Water Supply, Sewerage and Drainage Act 1909</i> or the <i>Country Areas Water Supply Act 1947</i>.</p>
RTIO	Rio Tinto Iron Ore business (WA)

Test Pump	A controlled field experiment in which a well / bore is pumped at a controlled rate, and the water-level response (drawdown) is measured in one or more surrounding observation wells and optionally in the pumped well (control well) itself.
Threatened Ecological Community (TEC)	A community which is found to fit into one of the following categories; “presumed totally destroyed, critically endangered, endangered or vulnerable”.
Tier	A hierarchy of control or prioritisation for work areas based on sensitivity. ‘All Tiers’ references apply to all areas of work. Tier 1 & 2 indicated additional requirements above and beyond ‘All Tier’ references.
Well Head Protection Zone	Defined area around bores that supply drinking water and generally have a 500 m radius in P1 areas and a 300m radius in P2 and P3 areas.

8 Associated Documents

Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000) – Section 4.3 Primary Industries: <http://www.agriculture.gov.au/SiteCollectionDocuments/water/nwqms-guidelines-4-vol1.pdf>

Department of Biodiversity, Conservation and Attractions – Parks and Wildlife Service: ‘Definitions, Categories and criteria for Threatened and Priority Ecological Communities’
https://www.dpaw.wa.gov.au/images/plants-animals/threatened-species/definitions_categories_and_criteria_for_threatened_and_priority_ecological_communities.pdf

Department of Biodiversity, Conservation and Attractions – Parks and Wildlife Service: ‘WA’s Threatened Ecological Communities’: <https://www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/wa-s-threatened-ecological-communities>

Department of Health (2006) Public Sector Circular 88 Use of Herbicides in Water Catchment Areas (PSC88): https://ww2.health.wa.gov.au/~/_media/Files/Corporate/general%20documents/water/Drinking%20water/S10%20PSC88_use_of_herbicides_in_water_catchment_areas.pdf

Department of Mines, Industry Regulation and Safety: Guidelines for the Protection of surface and ground water Resources: <http://www.dmp.wa.gov.au/Documents/Environment/ENV-MEB-209.pdf>

Department of Water and Environmental Regulation (1957) Country Areas Water Supply By-Laws: www.legislation.wa.gov.au

Memorandum of Understanding for Collaborative Arrangements between the Office of the EPA and the DMIRS: <http://www.dmp.wa.gov.au/Documents/Environment/ENV-MEB-016.pdf>

National Uniform Drillers Licensing Committee: Minimum Construction Requirements for Water bores in Australia: <https://www.adia.com.au/documents/item/154>

National Health and Medical Research Council (2018) National Water Quality Management Strategy: Australian Drinking Water Guidelines, version 3.5: <https://www.nhmrc.gov.au/sites/default/files/documents/attachments/australian-drinking-water-guidelines-may19.pdf>



Your ref:

Our ref: TFL 103-2021

Enquiries: Rosemarie Rees

Phone: (08) 9219 9513

Email: flora.data@dbca.wa.gov.au

Mr Hayden Ajduk
Biological Specialist
Rio Tinto Iron Ore
Central Park, Level 12
152 - 158 St Georges Terrace
Perth WA, 6000

Dear Mr Ajduk

**APPLICATION FOR AUTHORISATION TO TAKE OR DISTURB THREATENED FLORA :
*Seringia exastia***

I refer to your application to take the above species of Threatened Flora for the purpose of Clearing for mining, exploration activities, and for the maintenance of infrastructure at Rio Tinto Iron Ore's tenements, live agreement areas and pastoral stations in the Pilbara Bioregion. The application to take *Seringia exastia* under section 40 of the *Biodiversity Conservation Act 2016* has been approved and the Threatened Flora Authorisation is attached. Please ensure all conditions are complied with, including the submission of a final reports. Please provide all records and reports required under the attached authorisation to flora.data@dbca.wa.gov.au

Please note a person who proposes to take an action that will have, or is likely to have, a significant impact on federally listed threatened species must refer that action to the Federal Minister for a decision on whether assessment and approval is required under the *Environment Protection and Biodiversity Conservation Act 1999*. It is your responsibility to determine whether such approval is required, and if so, to obtain such approval before undertaking the actions covered by this authorisation. The EPBC Act referral process is outlined in detail on the Commonwealth Department's website at <http://www.environment.gov.au/epbc/assessments/process.html>

If you have any queries regarding this authorisation please contact Rosemarie Rees (Flora Administration Office, Ph. 9219 9513 or flora.data@dbca.wa.gov.au).

Yours sincerely

Rosemarie Rees
A/Flora Administration Officer
for the DIRECTOR GENERAL

23 December 2020
CC: DBCA Pilbara District



Department of **Biodiversity,
Conservation and Attractions**

AUTHORISATION TO TAKE OR DISTURB THREATENED SPECIES

Section 40 of the Biodiversity Conservation Act 2016

AUTHORISATION DETAILS

Authorisation Number: TFL 103-2021

Duration of Authorisation: From date of signature below until 31 December 2021, this time period covers the full operation of the authorisation. Note also the date in the section below, 'Dates within which taking/disturbance authorised'

AUTHORISATION HOLDER

Mr Hayden Ajduk
Biological Specialist
Rio Tinto Iron Ore
Central Park, Level 12
152 - 158 St Georges Terrace
Perth WA, 6000

AREA TO WHICH THIS AUTHORISATION APPLIES

Rio Tinto Iron Ore's tenements, live agreement areas and pastoral stations in the Pilbara Bioregion (See Map in Attachment 1).

AUTHORISED ACTIVITY

Purpose of taking/disturbance:

Clearing for mining, exploration activities, and for the maintenance of infrastructure to support Rio Tinto Iron Ore operations in the Pilbara, in accordance with native vegetation clearing approvals or exemptions.

Threatened species authorised to be taken/disturbed:

Seringia exastia - listed as a Critically Endangered species.

Quantity of threatened species authorised to be taken/disturbed:

Minimum number of whole plants or plant parts required to undertake activities.

Authorised taking/disturbance methodology:

Clearing using heavy machinery for mining, exploration and maintenance of infrastructure.

Dates within which taking/disturbance authorised:

From date of signature below until 31 December 2021.

PERSONS AUTHORISED TO TAKE THREATENED SPECIES UNDER THIS AUTHORISATION

The Authorisation Holder, employees of Rio Tinto Iron Ore and contractors working for Rio Tinto Iron Ore under the direction of the Authorisation Holder.

CONDITIONS

1. No additional impacts (which includes no introduction or spread of weeds or disease) to the Threatened Flora habitat.
2. The Authorisation Holder must maintain the following records for activities done pursuant to this Authorisation:
 - a. the location where the taking/disturbance occurred;
 - b. the date that the taking/disturbance occurred;
 - c. the species and approximate quantity taken if known;
3. The Authorisation Holder must provide a final Report, and the records required under condition 3 of this Authorisation to the CEO upon the expiry of this Authorisation, or when requested by the CEO.
4. No material taken under this Authorisation shall be used for purposes other than that specified above.
5. The location of Threatened Flora populations must be treated as confidential and under no circumstances disclosed to other persons without the written permission of the CEO.
6. The Authorisation Holder or any Authorised Persons undertaking the Authorised Activity must produce this Authorisation and any land owner/occupier's consent to access the land, whenever requested to do so by a Wildlife Officer.

NOTES

1. Before undertaking the Authorised Activity, permission must be obtained from: (a) the owner or occupier of private land; or (b) the Department or Authority controlling Crown land, on which the Threatened Flora occur. This includes obtaining the written endorsement from Department of Biodiversity, Conservation and Attractions (DBCA) if the authorised activity is proposed for land managed by DBCA.
2. All clearing of vegetation is to be undertaken in accordance with State and Federal legislation.

.....
Dr Margaret Byrne
Executive Director of Biodiversity
and Conservation Science
AS DELEGATE OF THE MINISTER
DATE: ...23/...12...../202



Department of Biodiversity,
Conservation and Attractions

AMENDMENT TO AUTHORISATION TO TAKE OR DISTURB THREATENED SPECIES

Section 40(3) of the Biodiversity Conservation Act 2016

AUTHORISATION DETAILS

Authorisation Number: TFL 103-2021

Duration of Authorisation: From date of signature below until 31 December 2022, this time period covers the full operation of the authorisation including any commitment to monitor. Note also the date in the section below, 'Dates within which taking/disturbance authorised']

Amendment Number: TFL 103B-2021

AUTHORISATION HOLDER

Mr Hayden Ajduk
Biological Specialist
Rio Tinto Iron Ore
Central Park, Level 12
152 - 158 St Georges Terrace
Perth WA, 6000

AREA TO WHICH THIS AUTHORISATION APPLIES

No amendment – in accordance with Authorisation TFL 103-2021

AUTHORISED AMENDED ACTIVITY

Purpose of taking/disturbance:

No amendment – in accordance with Authorisation TFL 103-2021

Threatened species authorised to be taken/disturbed:

No amendment – in accordance with Authorisation TFL 103-2021

Quantity of threatened species authorised to be taken/disturbed:

No amendment – in accordance with Authorisation TFL 103-2021

Authorised taking/disturbance methodology:

No amendment – in accordance with Authorisation TFL 103-2021

Dates within which taking/disturbance authorised:

From date of signature below until 31 December 2022

PERSONS AUTHORISED TO TAKE THREATENED SPECIES UNDER THIS AUTHORISATION

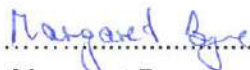
The Authorisation Holder, employees of Rio Tinto Iron Ore and contractors working for Rio Tinto Iron Ore under the direction of the Authorisation Holder.

CONDITIONS

No amendment – in accordance with Authorisation TFL 103-2021

NOTES

No amendment – in accordance with Authorisation TFL 103-2021


.....
Dr Margaret Byrne
Executive Director of Biodiversity
and Conservation Science
AS DELEGATE OF THE MINISTER
DATE: 16/12/2021




Figures

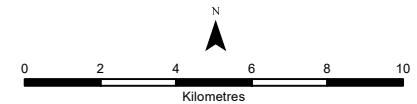
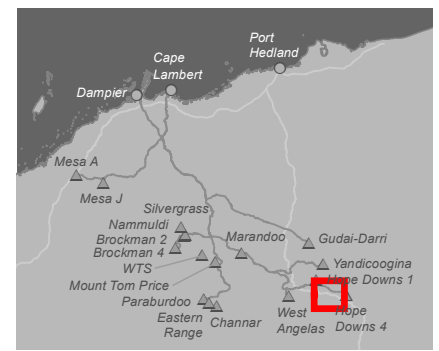
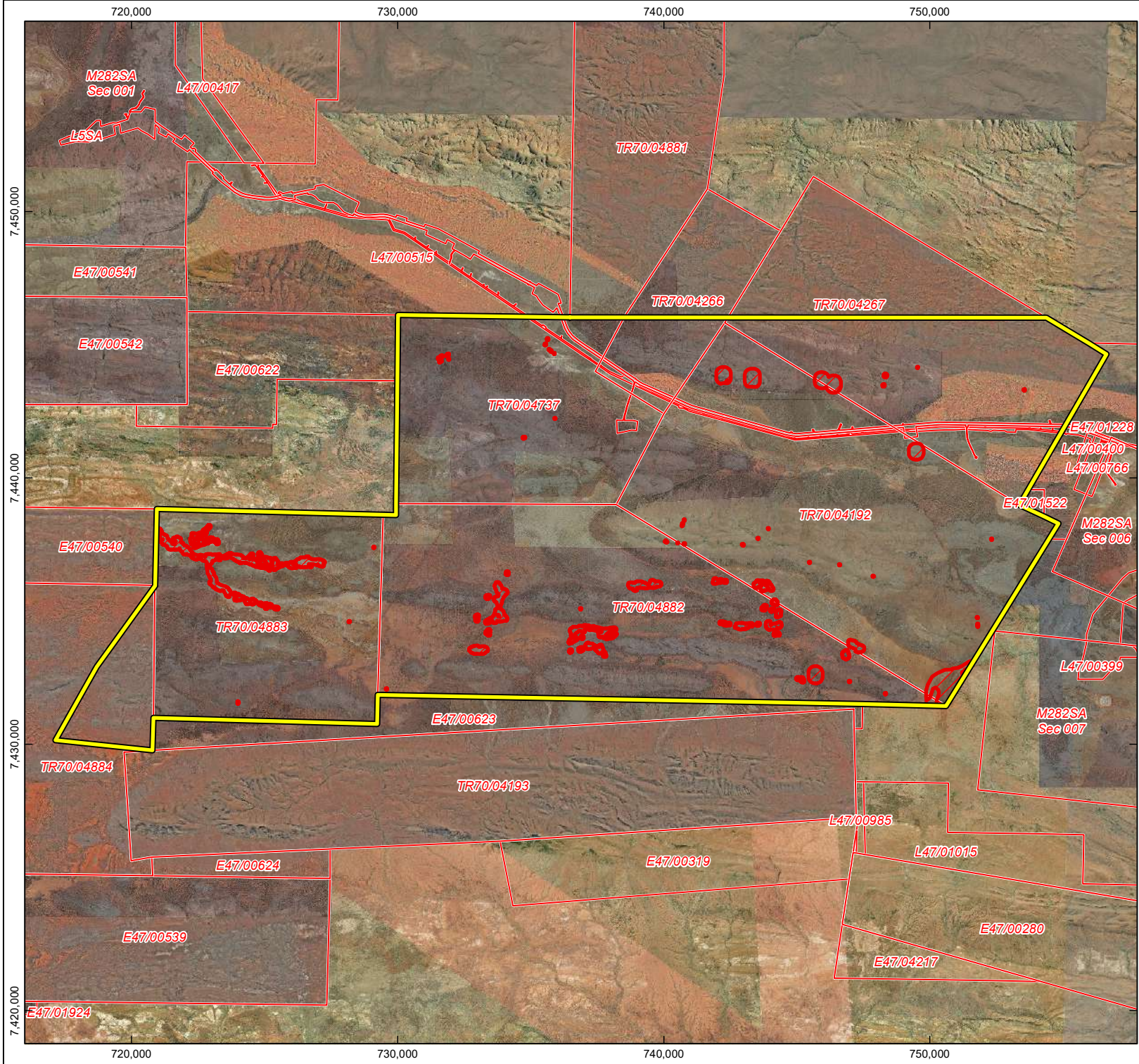
Figure 1
Overview of application area -
Conservation significant biological
values proposed protection areas

Drawn: GIS Team
 Plan: PDE0189960v1
 Date: May 2022

Proj: GDA 1994 MGA Zone 50
 Scale: 1:200,000 @ A4
 gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas
-  Rio Tinto Live Mining Act Tenure









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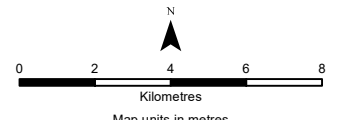
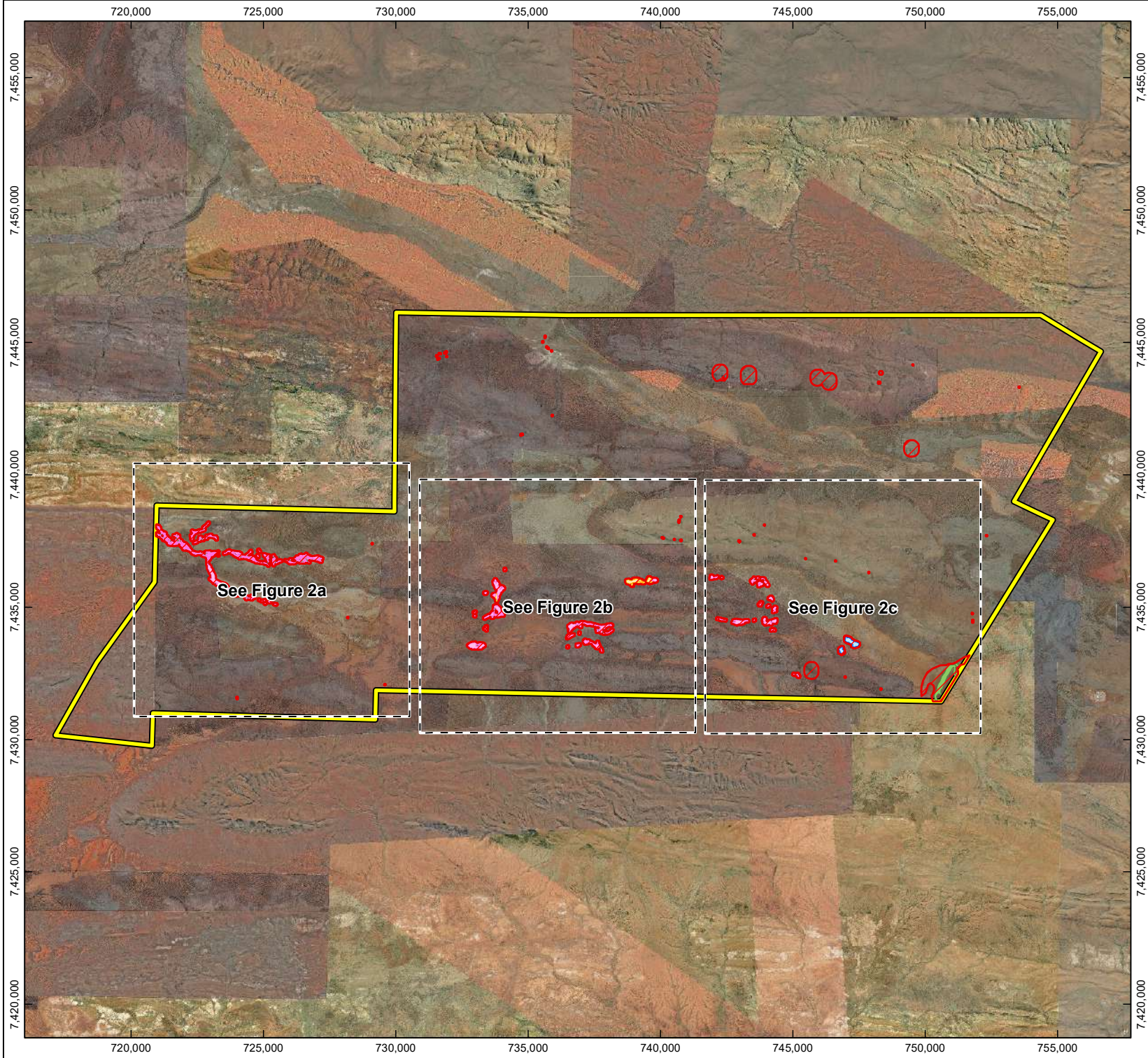
**Figure 2 - Overview
Vegetation of conservation
significance:
Recorded locations and
proposed protection areas**

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

Proj: GDA 1994 MGA Zone 50
Scale: 1:200,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas
- Conservation significant vegetation units**
 -  West Angelas Cracking-Clays P1
 -  Coolibah-lignum flats P3
- Other significant vegetation**
 -  D13
 -  D19






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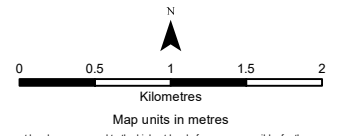
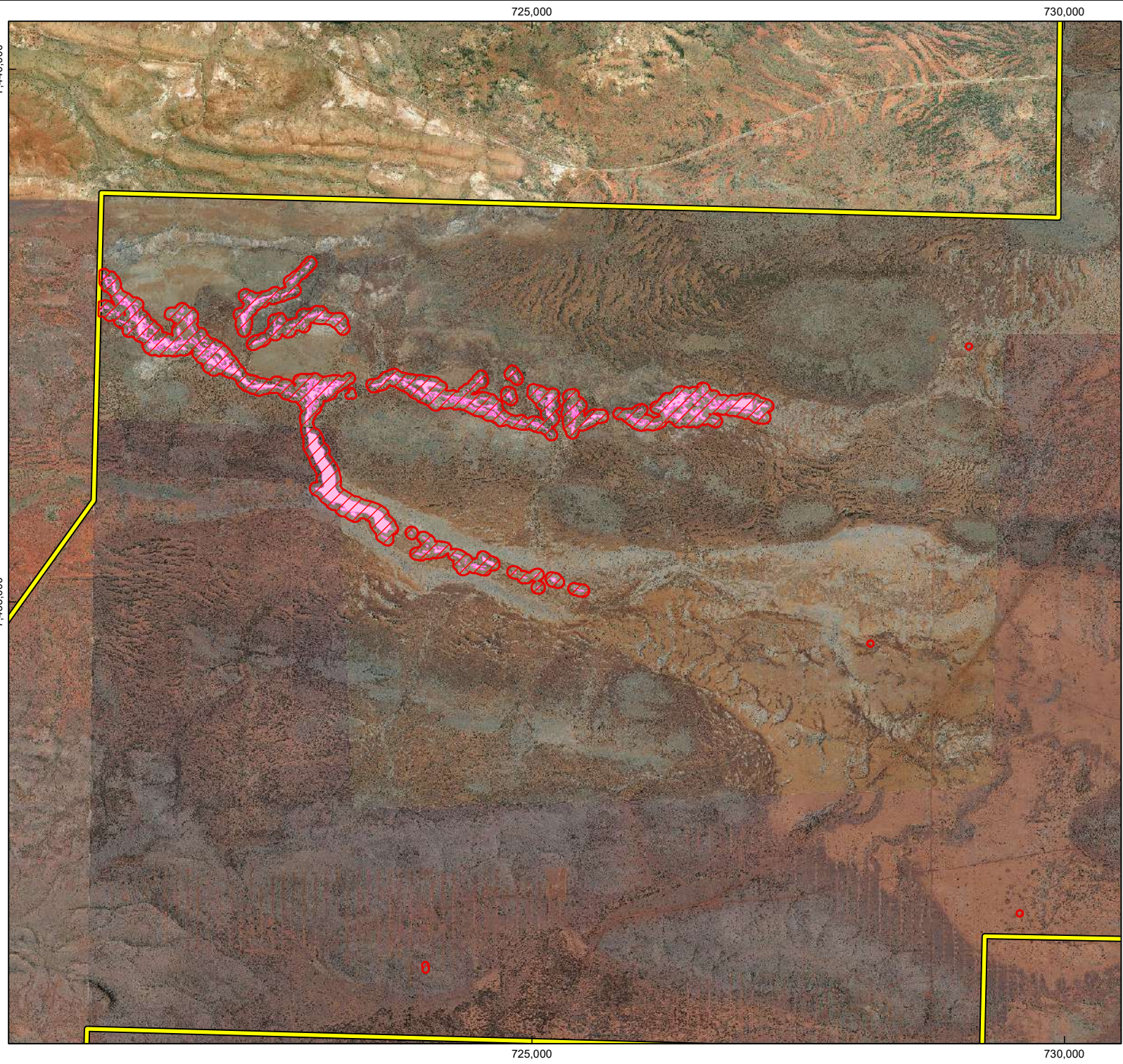
Figure 2a
Vegetation of conservation significance:
Recorded locations and proposed protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

Proj: GDA 1994 MGA Zone 50
Scale: 1:50,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas
- Conservation significant vegetation units**
 -  West Angelas Cracking-Clays P1







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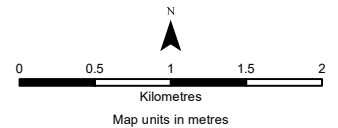
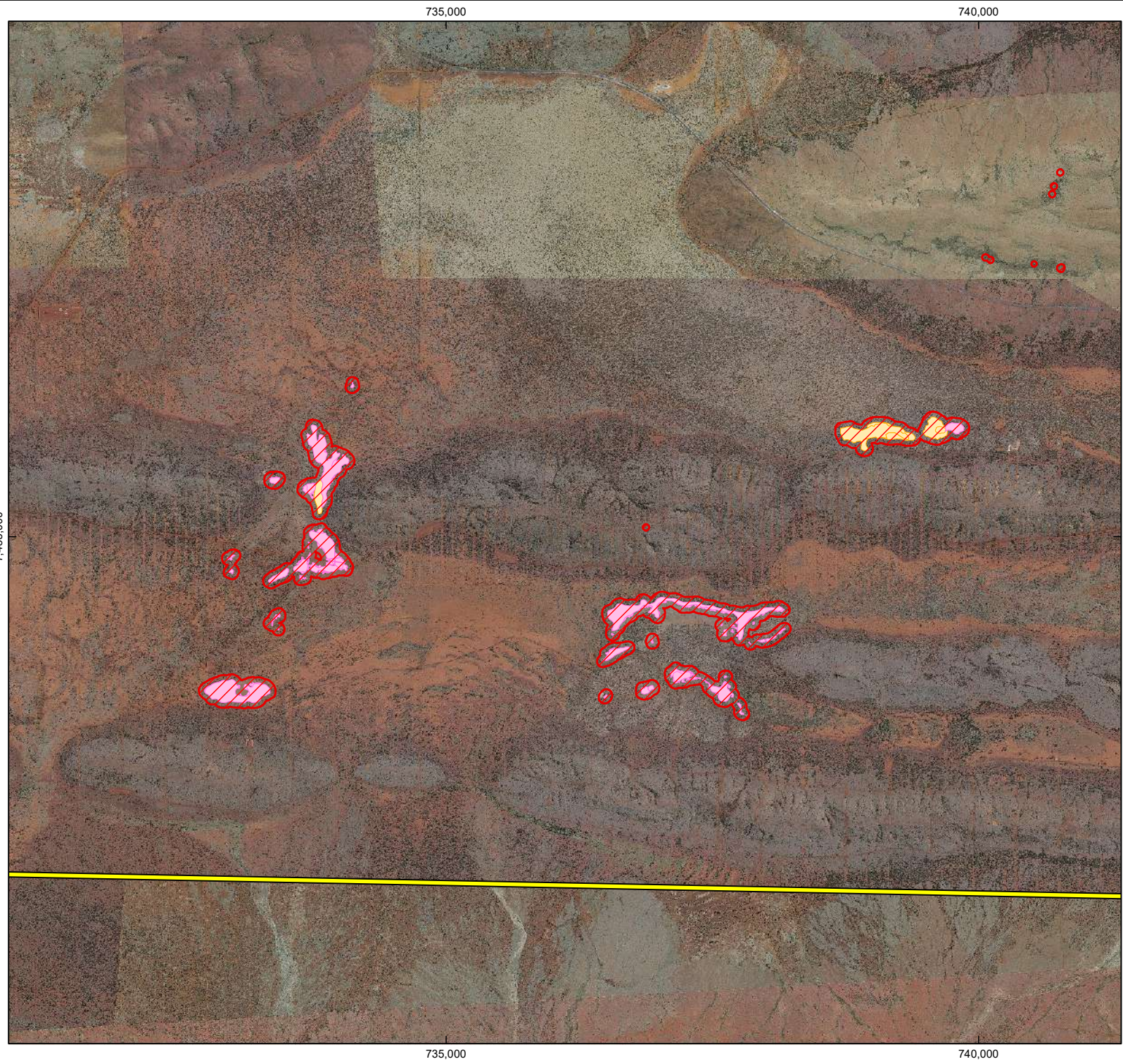
Figure 2b
Vegetation of conservation
significance:
Recorded locations and
proposed protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

Proj: GDA 1994 MGA Zone 50
Scale: 1:50,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas
- Conservation significant vegetation units**
 -  West Angelas Cracking-Clays P1
 -  Coolibah-lignum flats P3



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745,000



750,000

Figure 2c
Vegetation of conservation
significance:
Recorded locations and
proposed protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

Proj: GDA 1994 MGA Zone 50
Scale: 1:50,000 @ A4
gisteam@riotinto.com



Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Conservation significant vegetation units

-  West Angelas Cracking-Clays P1

Other significant vegetation

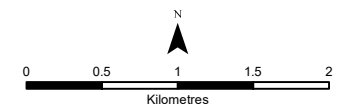
-  D13
-  D19

7,435,000

7,435,000

745,000

750,000





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Figure 3 - Overview Priority 1 & 2 flora: Recorded locations and proposed protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

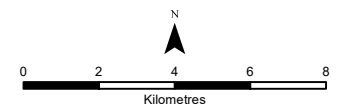
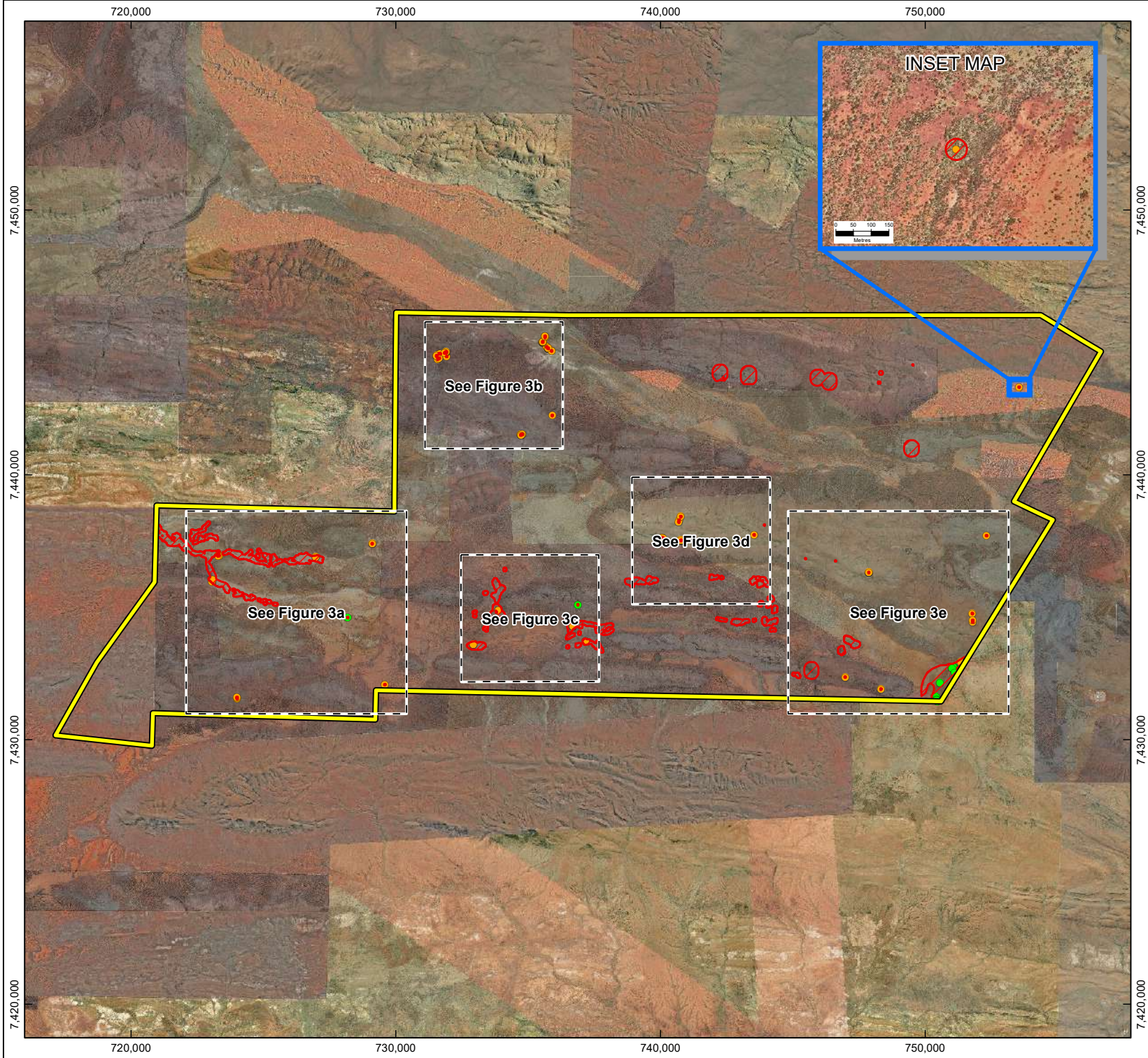
Proj: GDA 1994 MGA Zone 50
Scale: 1:200,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Priority Flora

-  P1
-  P2





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Figure 3a
Priority 1 & 2 flora:
Recorded locations and proposed
protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

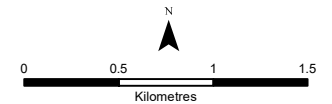
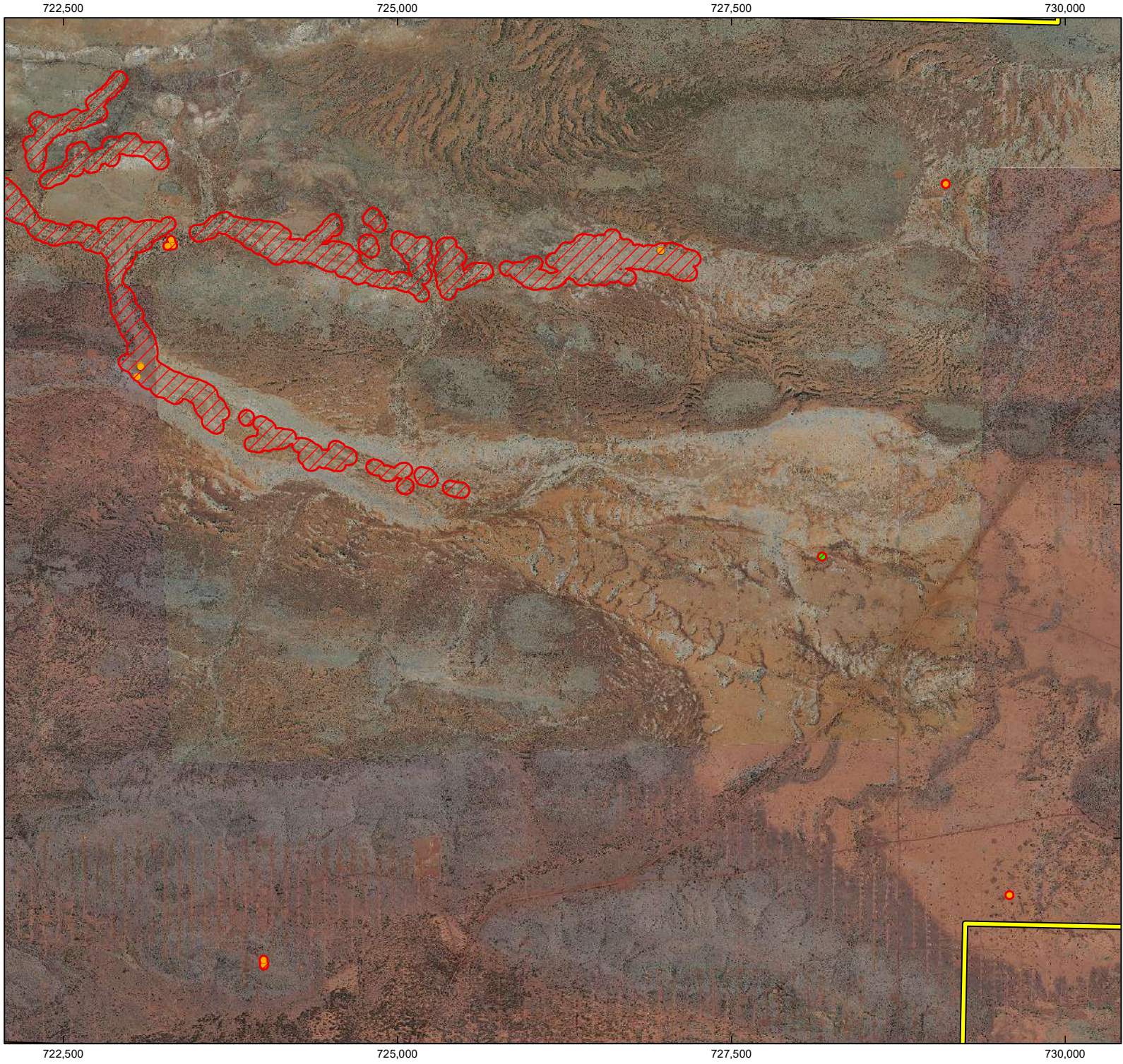
Proj: GDA 1994 MGA Zone 50
Scale: 1:40,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Priority Flora

-  P1
-  P2





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Figure 3b
Priority 1 & 2 flora:
Recorded locations and proposed
protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

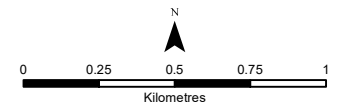
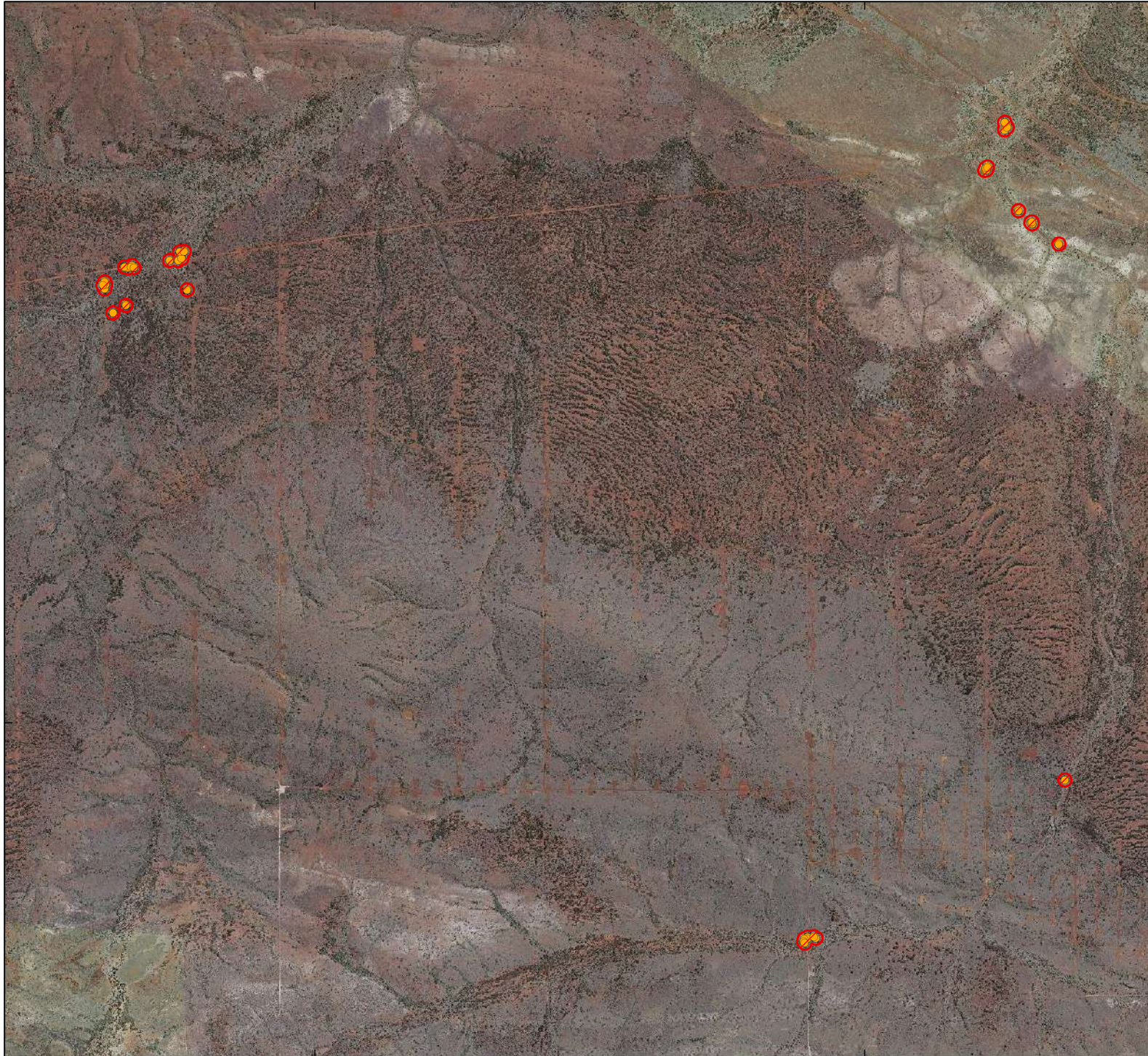
Proj: GDA 1994 MGA Zone 50
Scale: 1:25,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Priority Flora

-  P2



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732,500

735,000



737,500

Figure 3c Priority 1 & 2 flora: Recorded locations and proposed protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

Proj: GDA 1994 MGA Zone 50
Scale: 1:25,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Priority Flora

-  P1
-  P2

7,435,000

7,435,000

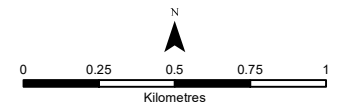
7,432,500

7,432,500

732,500

735,000

737,500



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740,000



742,500

Figure 3d Priority 1 & 2 flora: Recorded locations and proposed protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

Proj: GDA 1994 MGA Zone 50
Scale: 1:25,000 @ A4
gisteam@riotinto.com

Legend

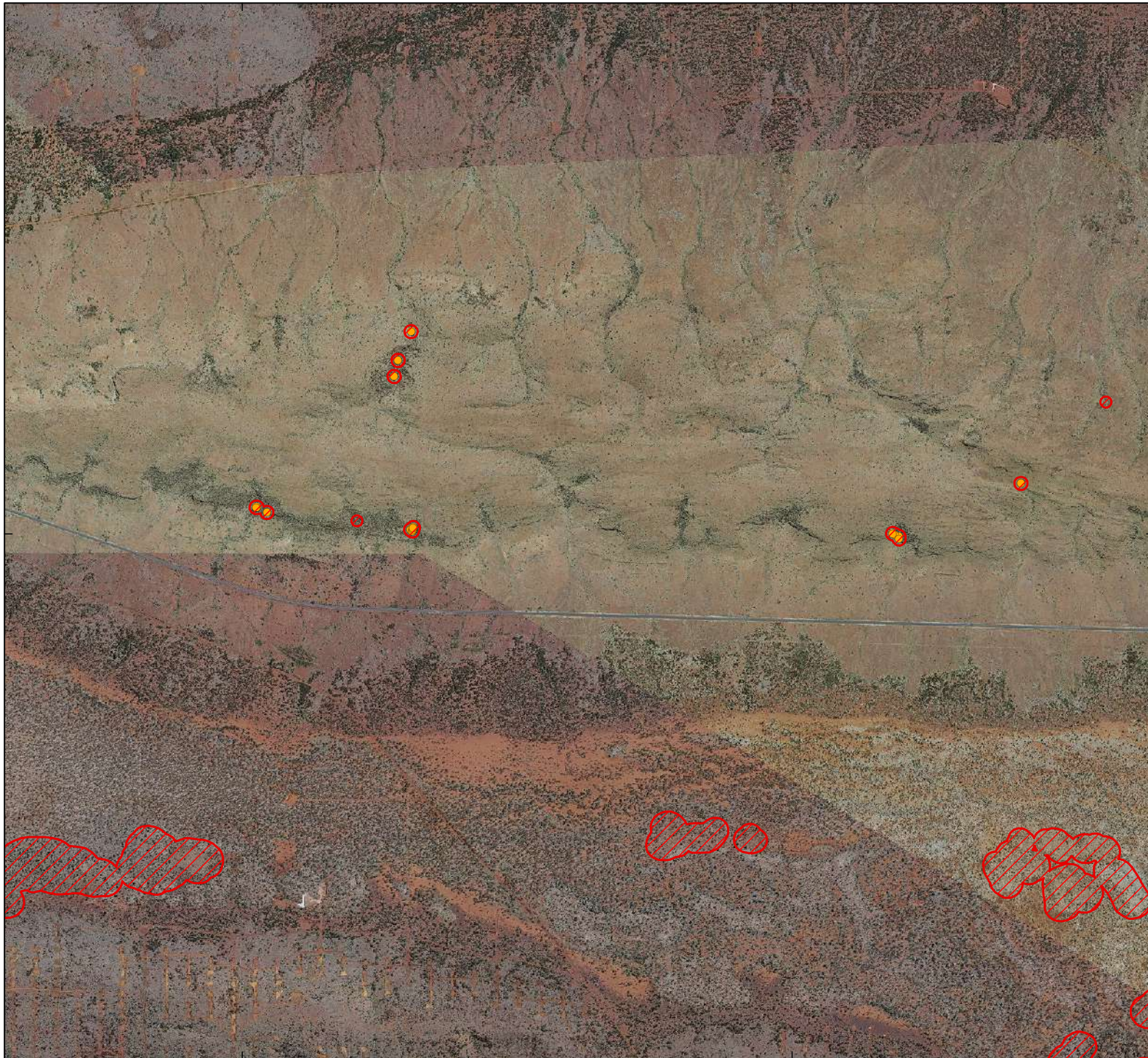
-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Priority Flora

-  P2

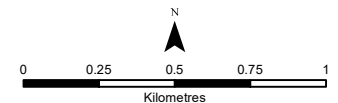
7,437,500

7,437,500



740,000

742,500



Map units in metres



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Figure 3e
Priority 1 & 2 flora:
Recorded locations and proposed
protection areas

Drawn: GIS Team
Plan: PDE0189960v1
Date: May 2022

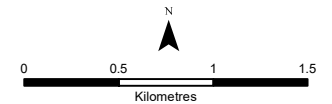
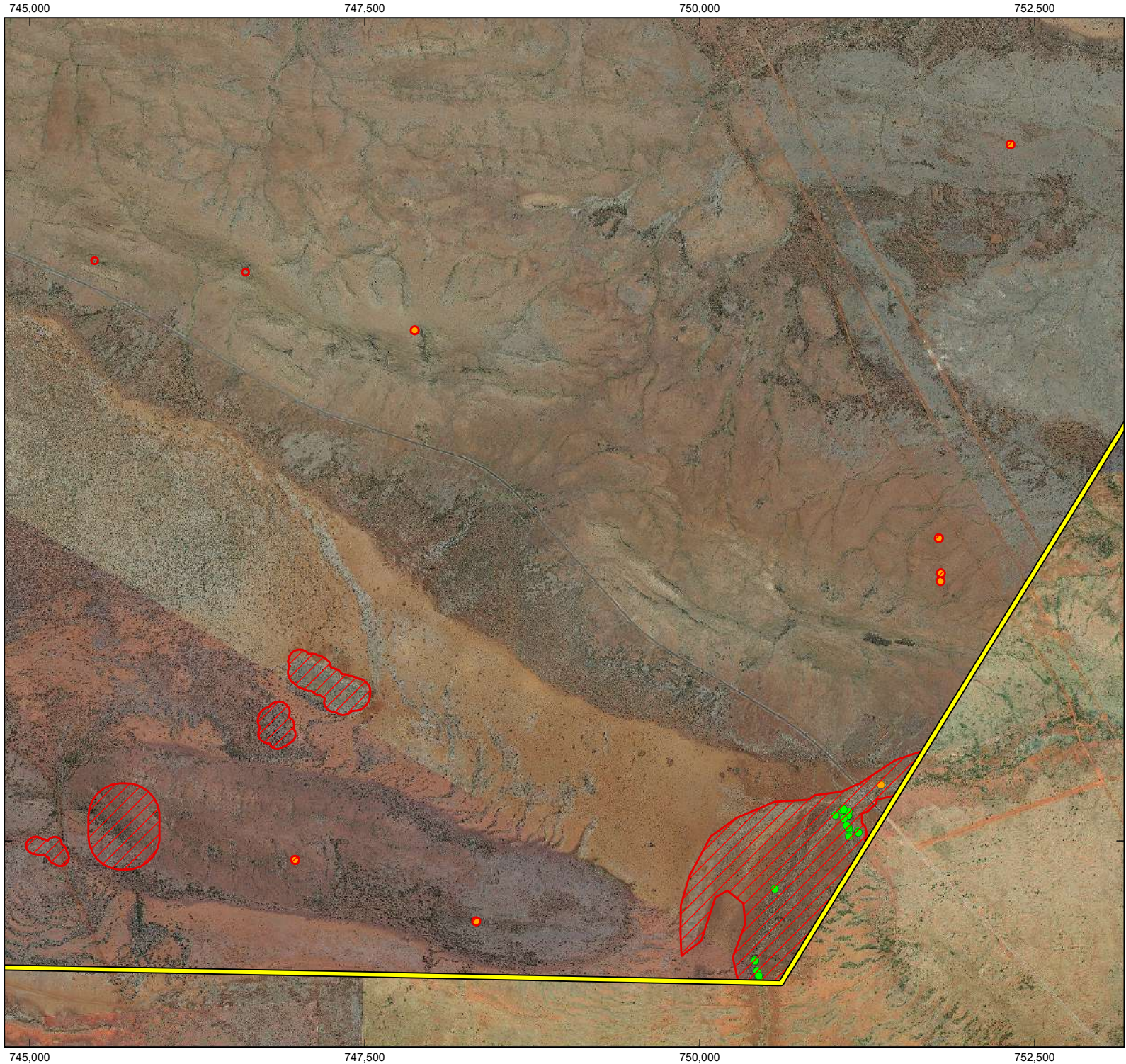
Proj: GDA 1994 MGA Zone 50
Scale: 1:40,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Priority Flora

-  P1
-  P2









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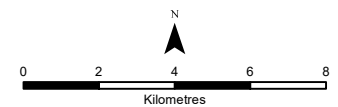
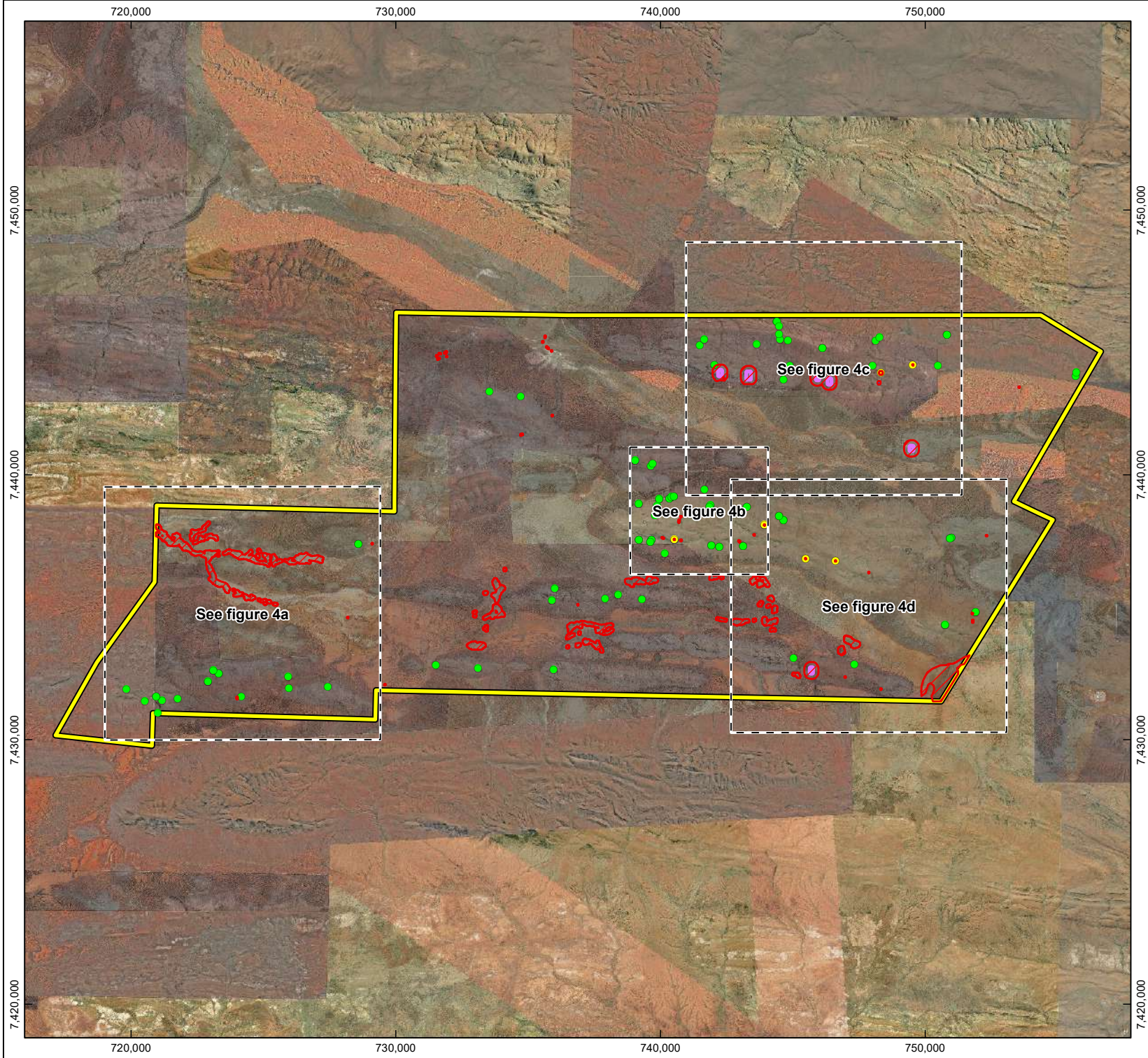
Figure 4 - Overview
Threatened and Priority fauna:
Recorded locations, habitat and
proposed protection areas

Drawn: GIS Team
 Plan: PDE0189960v2
 Date: May 2022

Proj: GDA 1994 MGA Zone 50
 Scale: 1:200,000 @ A4
 gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas
- Threatened and Priority fauna habitat**
 -  Pebble Mounds
 -  Category 3/4 Cave
 -  Semi permanent pool
 -  Adits Buffer



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Figure 4a

Threatened and Priority fauna:
Recorded locations, habitat and
proposed protection areas


Drawn: GIS Team
Plan: PDE0189960v2
Date: May 2022

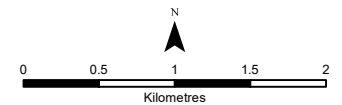
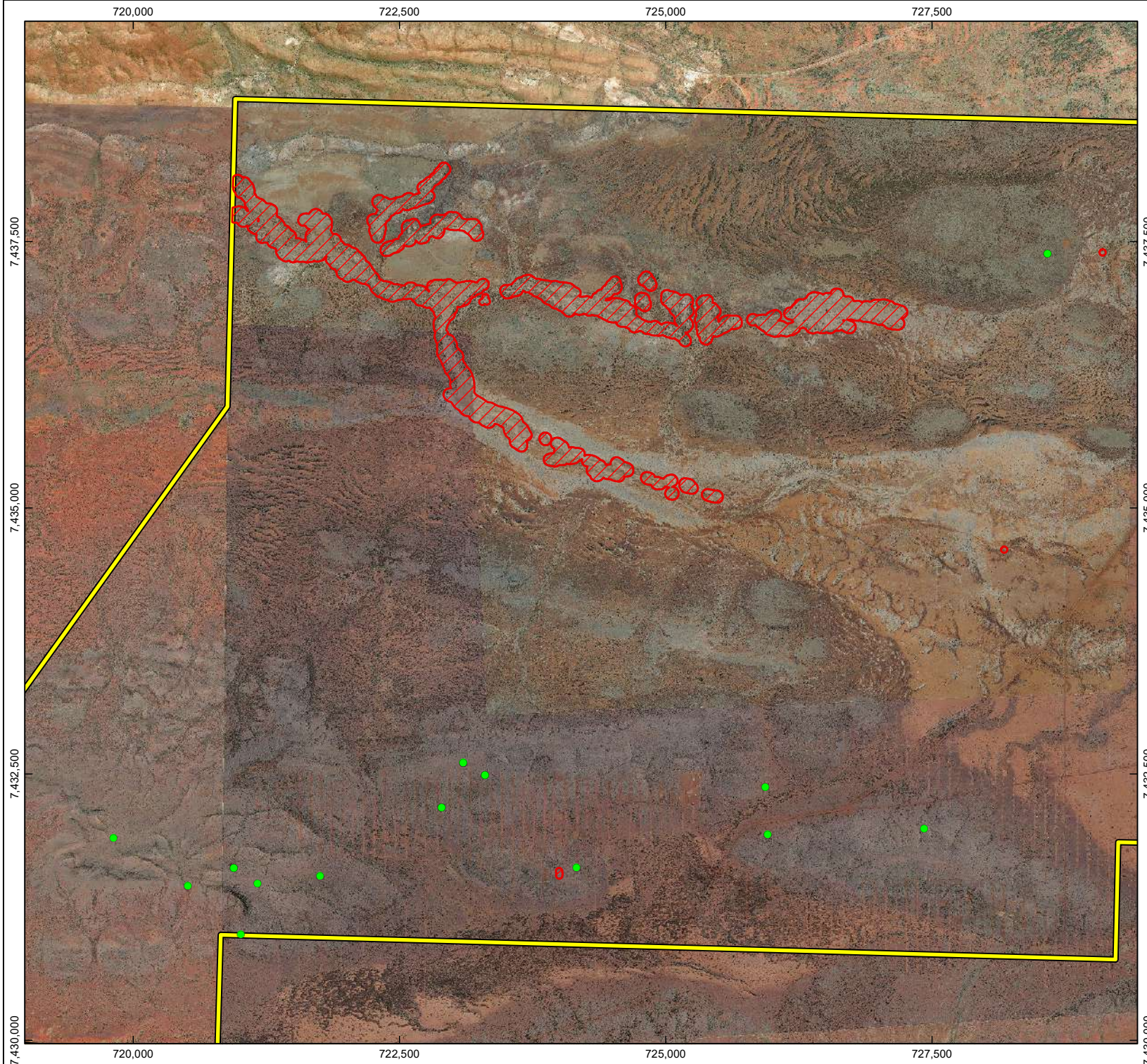
Proj: GDA 1994 MGA Zone 50
Scale: 1:50,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Threatened and Priority fauna habitat

-  Pebble Mounds



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Figure 4b

Threatened and Priority fauna:
Recorded locations, habitat and
proposed protection areas



Drawn: GIS Team
Plan: PDE0189960v2
Date: May 2022

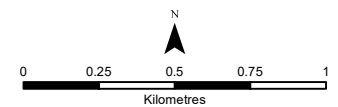
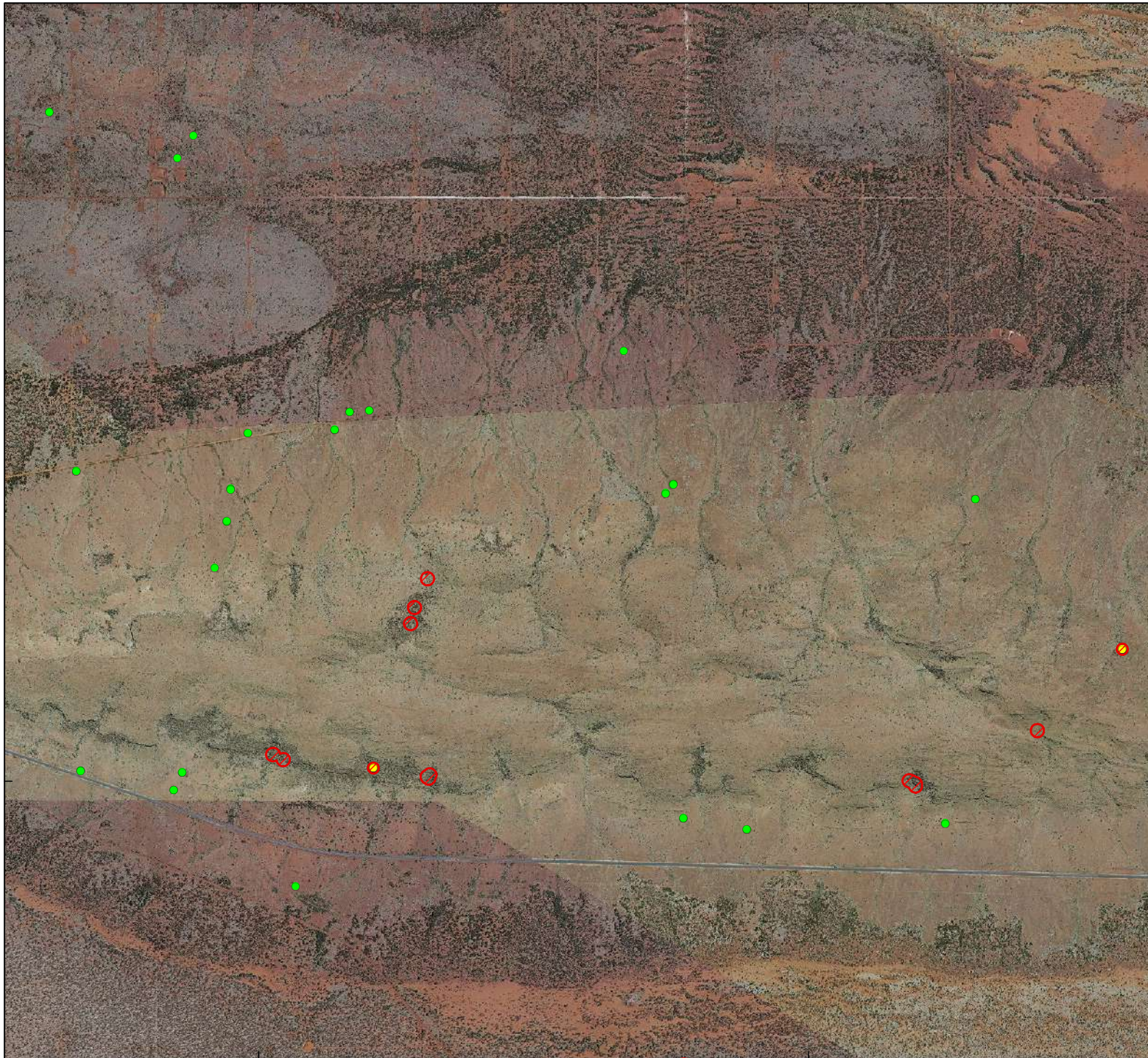
Proj: GDA 1994 MGA Zone 50
Scale: 1:25,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas

Threatened and Priority fauna habitat

-  Pebble Mounds
-  Category 3/4 Cave



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Figure 4c

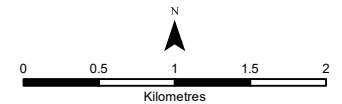
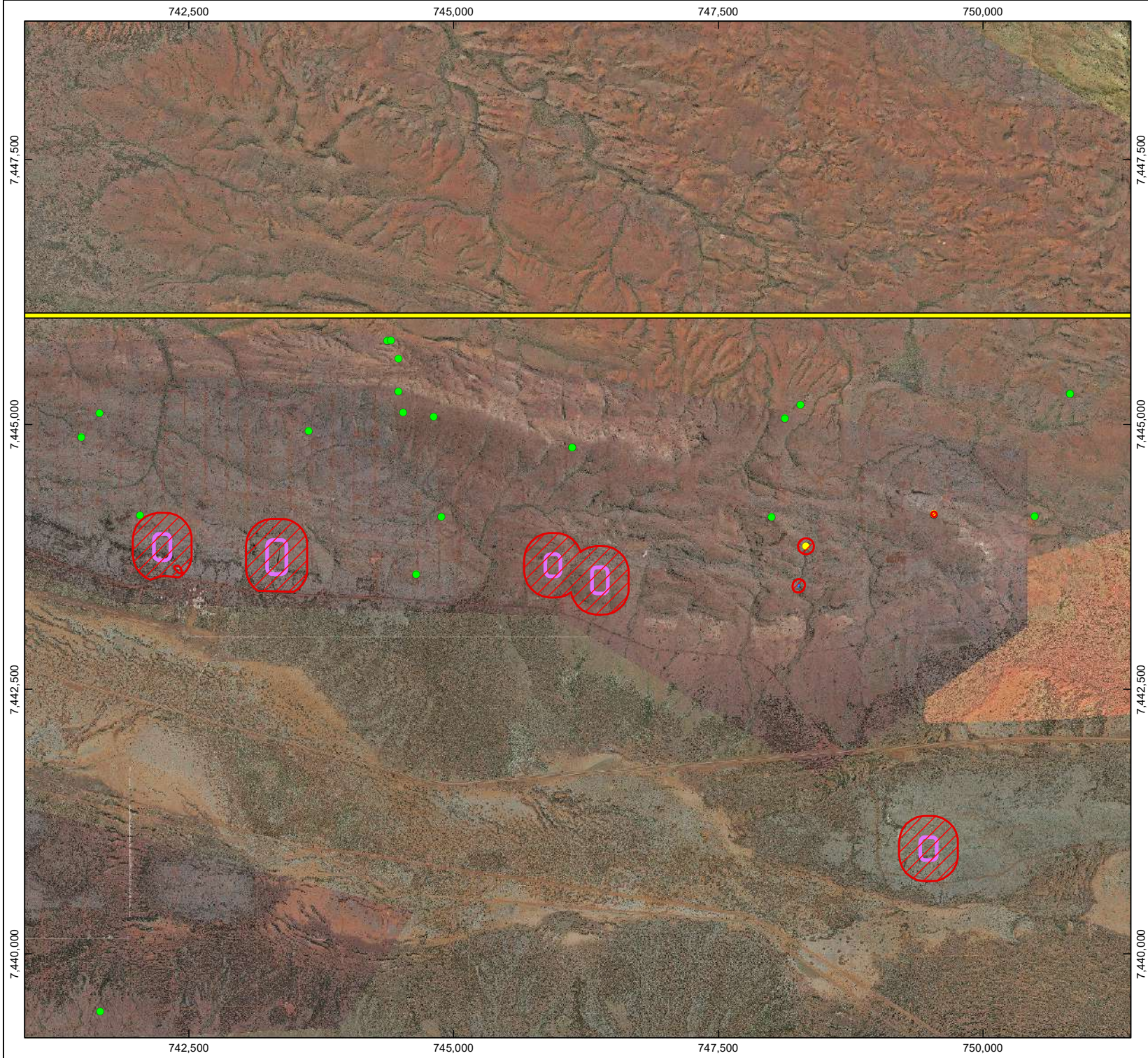
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Plan: PDE0189960v2
Date: May 2022

Proj: GDA 1994 MGA Zone 50
Scale: 1:50,000 @ A4
gisteam@riotinto.com

Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas
- Threatened and Priority fauna habitat**
 -  Pebble Mounds
 -  Category 3/4 Cave
 -  Semi permanent pool
 -  Adits Buffer



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Figure 4d

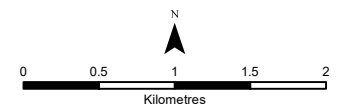
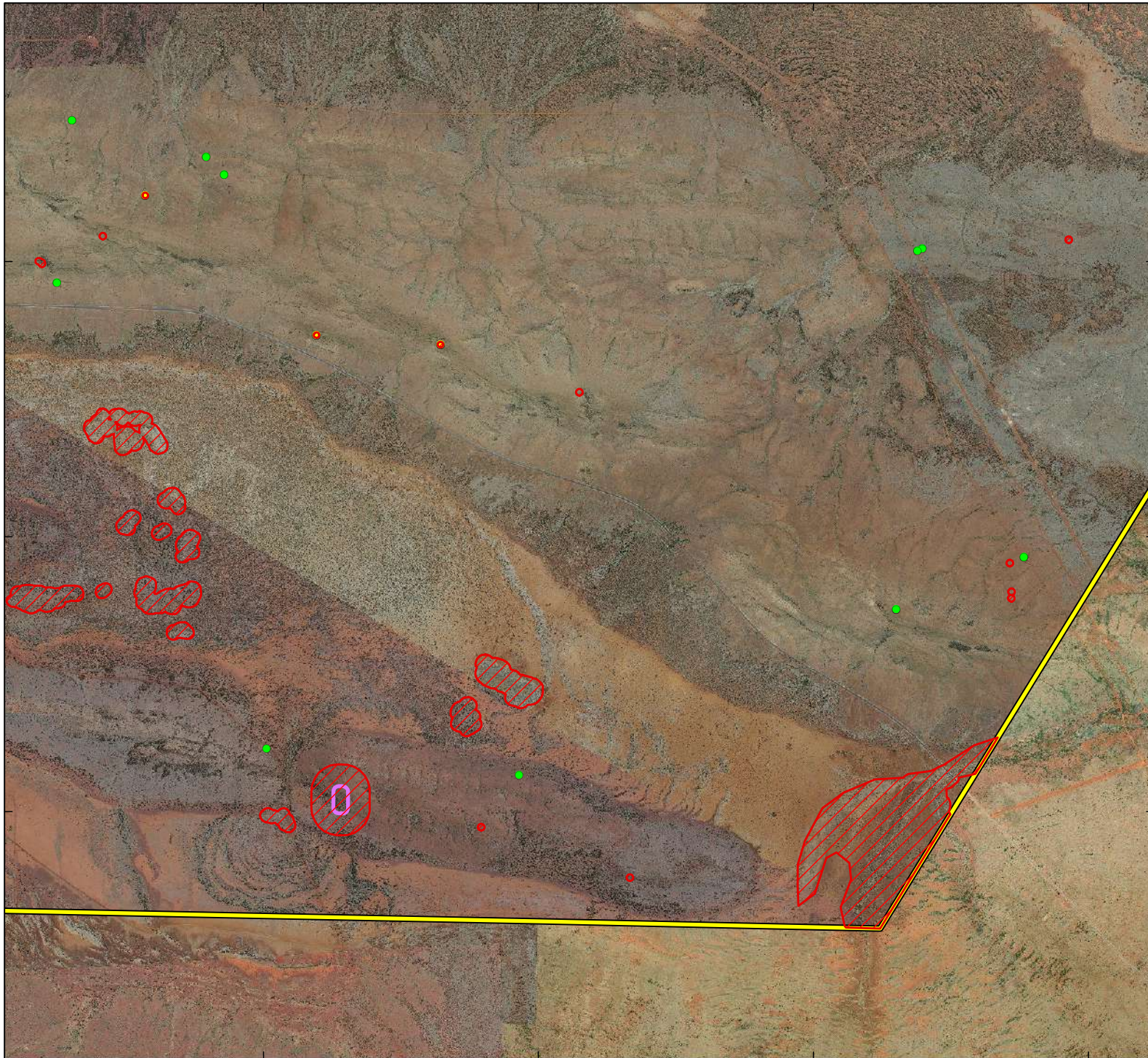
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Legend

-  Rhodes Ridge NVCP Application
-  Conservation significant biological value protection areas
- Threatened and Priority fauna habitat**
 -  Pebble Mounds
 -  Category 3/4 Cave
 -  Adits Buffer



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