

GREATER BROCKMAN SYNCLINE:
CONSOLIDATED VEGETATION TYPE AND
CONDITION MAPPING

PREPARED FOR RIO TINTO IRON ORE

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Rio Tinto Iron Ore

Greater Brockman Syncline: Consolidated Vegetation Type and Condition Mapping

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1. Introduction

1.1 Project Background

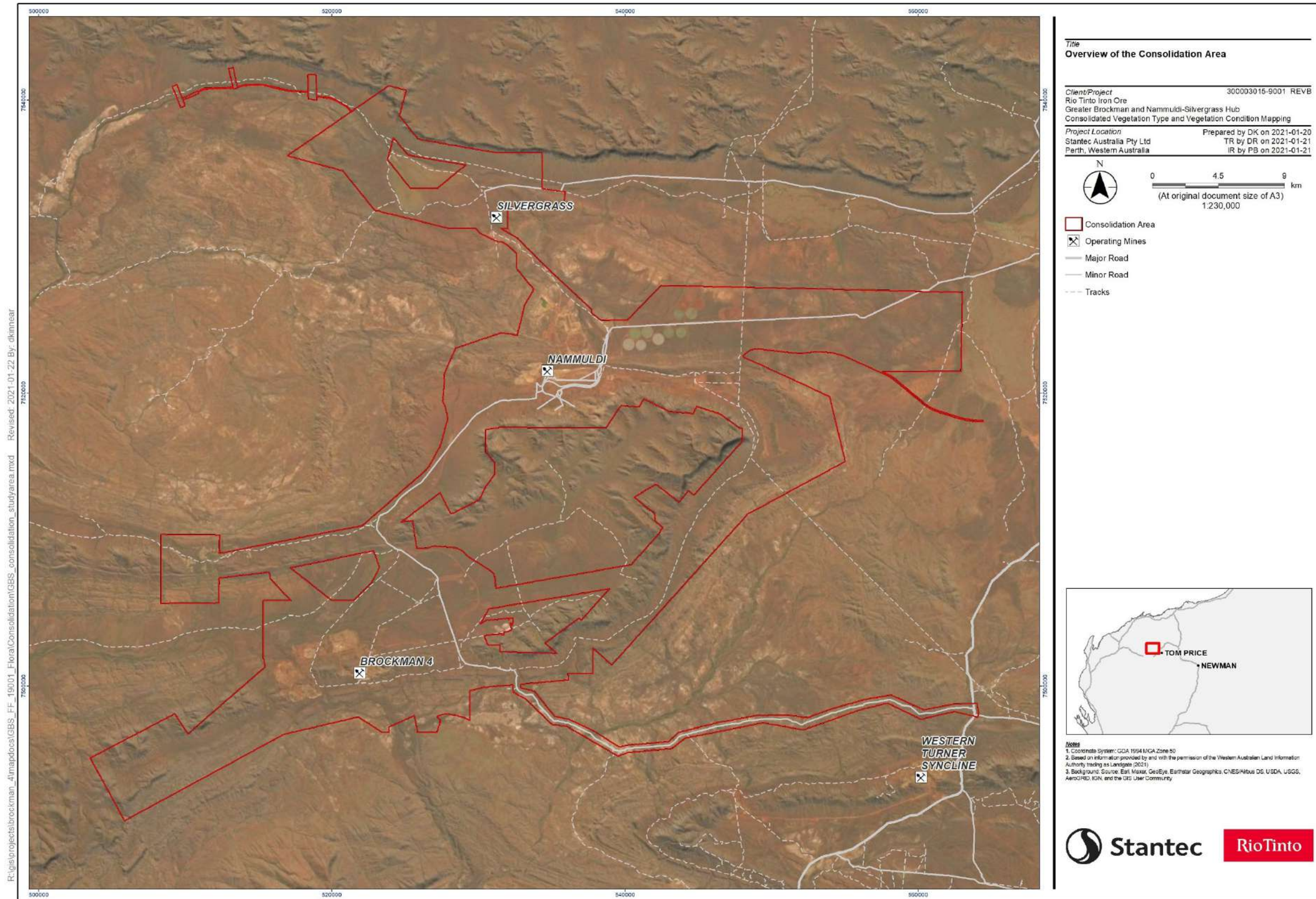
Rio Tinto Iron Ore (Rio Tinto), on behalf of Hamersley Iron Pty Ltd, is evaluating the potential development of a number of iron ore deposits to support the Brockman Syncline Proposal. To provide regional context, Rio Tinto commissioned Stantec Australia Pty Ltd (Stantec) to map vegetation types and vegetation condition in un-surveyed areas and consolidate previous vegetation and condition mapping to produce single mapping layers for the Greater Brockman and Nammudli-Silvergrass Hub (the Consolidation Area) (**Figure 1**). The Consolidation Area for this exercise comprises an area of 76,198.57 hectares (ha). As requested, where possible, the vegetation descriptions, mapping scale and nomenclature has been made consistent with the Brockman Syncline 4 – Marra Mambas Project Level 2 Vegetation and Flora Survey (Biota 2016a).

1.2 Objectives

The overarching objective of the consolidation exercise was to produce single mapping layers for vegetation types and vegetation condition for the entire Consolidation Area, which aligns with mapping completed by Biota (2016a). Specifically, the objectives were to:

- complete a desktop assessment to consolidate available previous vegetation type and vegetation condition mapping;
- undertake a ground-truthing exercise to verify and refine the delineation of vegetation types and vegetation condition identified during the desktop assessment, using mapping notes; and
- Prepare a report with consolidated mapping of the Greater Brockman and Nammudli-Silvergrass Hub.

Figure 1: Overview of the Consolidation Area.



2. Methods

2.1 Desktop Assessment

2.1.1 Review of Relevant Surveys

The desktop assessment involved a review of available data from 361 reports and surveys that had previously been completed within or overlapping the Consolidation Area. In addition to Biota (2016a), mapping for vegetation types and vegetation condition was aligned to four recent surveys conducted within or within the vicinity of the Consolidation Area (**Table 1**).

- Stantec (2019) (entirely within the Consolidation Area);
- Biota (2019a) (entirely within the Consolidation Area);
- Biota (2019b) (entirely within the Consolidation Area); and
- Biota (2019c) (within the vicinity of the Consolidation Area).

The majority (303) of the 361 previous reports and surveys were excluded from the consolidation exercise due to one or more of the following:

- vegetation type mapping/vegetation condition mapping was not conducted;
- vegetation type mapping/vegetation condition mapping was not the primary objective of the survey (e.g. targeted flora surveys);
- vegetation type mapping was undertaken prior to 2010;
- there was overlap with either Biota (2016a), Biota (2019a), Biota (2019c) or Stantec (2019) (these recent surveys superseded any previous surveys);
- spatial data was inadequate or not available; and
- data was mapped at too fine a scale; in these instances, information was referred to but not reproduced (Eco Logical 2014) (Eco Logical 2013a, b, c, Eco Logical and Rio Tinto 2013, Eco Logical 2014); and
- the report purpose was riparian vegetation monitoring (Biota 2013a).

The type of data and format of data available for each of the 58 reports and surveys used is presented in **Table 1**.

Table 1: Reports and associated survey data for surveys that overlap the Consolidation Area and were considered for the consolidation.

Report reference	Rio Tinto report reference	Report title	Vegetation mapping data	Vegetation condition data	Relevé data	Quadrat data	Site by species matrix data	Stantec provided with the report
Stantec (2019)		Greater Brockman 4 Sustaining Tonnes Project: Detailed Flora and Vegetation Survey	Yes	Yes	39	113	No	Yes
Biota (2019a)		Brockman 2 Deposits Detailed Flora and Vegetation Survey: Phase 1 and 2	Yes	Yes	16	52	No	Yes
Biota (2019b)		Caves Creek Detailed Flora and Vegetation Survey Phase 1 and 2	Yes	Yes	17	40	No	Yes
Biota (2019c)		Silvergrass West Detailed Flora and Vegetation Survey Phase 1 and 2	Yes	Yes	9	37	No	Yes
Biota (2017)		Eliwana Consolidated Detailed Flora and Vegetation Phase 2	Yes	No	143	554	No	Yes
Biota (2016a)	RTIO-HSE-0274626	Brockman Syncline 4 - Marra Mambas Project Level 2 Vegetation and Flora Survey	Yes	Yes	38	37	Yes	Yes
Rio Tinto (2016)		Brockman Strategic Area Flora Vegetation and Fauna Habitat Assessment	Yes	Yes	No	No	No	No
Rio Tinto (2015a)	RTIO-HSE-0273694	Desktop Flora, Vegetation and Fauna Habitat Assessment at Brockman Syncline 2, South West Extension	Yes	Yes	No	No	No	Yes
Rio Tinto (2015b)		Metadata Statement - Vegetation Condition Mapping for Brockman Syncline 4 Area	Yes	Yes	No	No	No	No
Astron (2014)	RTIO-HSE-0230749	Brockman 2 AR-14-12192 & Silvergrass AR-13-11938: NVCP Level Biological Assessment	Yes	Yes	21	10	No	Yes
Biota (2014a)	RTIO-HSE-0234907	Brockman 4 Eastern Edge Native Vegetation Clearing Permit Report (NVCP)	Yes	Yes	14	6	No	Yes
Biota (2014b)	RTIO-HSE-0230728	Brockman 4 Haul Road Native Vegetation Clearing Permit Report (NVCP)	Yes	Yes	13	No	No	Yes
Biota (2014c)		Western Turner Syncline Section 10 Below Water Table and Satellite Ore Bodies Flora and Vegetation Survey	Yes	Yes	No	No	No	No
Eco Logical (2014)	RTIO-HSE-0218299	Brockman 2: Grade Drilling to Evaluate Unclosed Mine South of Bs2 Pit 11-13: Native Vegetation Clearing Permit Supporting Report	Yes	Yes	24	No	No	Yes
Eco Logical (2014)	RTIO-HSE-0231014	Flora and Vegetation Survey for Nammuldi Silvergrass Extension (Pits 1E, 11-13):	Yes	Yes	101	No	No	Yes
Rio Tinto (2014a)		Metadata statement for additional extrapolated vegetation mapping at Nammuldi-Silvergrass	Yes	No	No	No	No	No
Rio Tinto (2014b)		Metadata Statement Vegetation Condition Mapping for Nammuldi-Silvergrass	Yes	Yes	No	No	No	No
Biota (2013a)		Brockman 4 Riparian Vegetation Mapping	Yes	Yes	2	17	No	Yes
Biota (2013b)	RTIO-HSE-0180207	Brockman Syncline 4 Marra Mamba Vegetation and Flora Survey	Yes	No	No	31	No	Yes
Biota (2013c)		Marra Mamba West (AR-13-11158) Native Vegetation Clearing Permit Report	Yes	Yes	No	No	No	No
Biota (2013d)		Silvergrass East Rare Flora Report AR-13-11670	Yes	Yes	No	No	No	No
Biota (2013e)		West Turner Syncline Vegetation and Flora Report: 2007 - 2013	Yes	Yes	No	No	No	No
Eco Logical (2013a)		Brockman Syncline Project Area Biological Surveys Brockman 4 East (AR-13-11385)	Yes	Yes	No	No	No	No
Eco Logical (2013b)	RTIO-HSE-0197496	Brockman Syncline Project Area Biological Surveys: Brockmans Syncline 1 East (AR-13-11068)	Yes	Yes	16	Yes	Yes	Yes
Eco Logical (2013c)		Flora and Vegetation Survey for Brockman 2 Expansion Communications Tower (AR-13-11823)	Yes	Yes	No	No	No	No
Eco Logical and Rio Tinto (2013)		Flora and Vegetation Survey for BS1W Brockman and MM Drill Program - Native Vegetation Clearing Permit Supporting Report	Yes	Yes	No	No	No	No
Biota (2012a)		Brockman 4 Camps Vegetation and Flora Survey	Yes	No	No	No	No	No
Biota (2012b)	RTIO-HSE-0204864	Nammuldi-Silvergrass Vegetation Mapping Integration	Yes	No	No	No	No	No
Biota (2012c)		Themeda Grasslands Threatened Ecological Community - Seasonal Botanical Survey	Yes	No	No	No	No	No
Biota (2012d)		West Turner Syncline Phase 2 Vegetation and Flora Report	Yes	No	No	No	No	No
Rio Tinto (2012)		Botanical Survey of Brockman 2 and Brockman 3 Borrow Pit and Drilling	Yes	No	No	No	No	No
Biota (2011)		Themeda Grasslands Threatened Ecological Community - Phase 1 Botanical Survey	Yes	No	No	No	No	No
Mattiske (2011)	RTIO-HSE-0114959	Flora and Vegetation Survey of the Greater Nammuldi Irrigated Agriculture Survey Area	Yes	No	No	62	Yes	Yes
Rio Tinto (2011)		Statement Addressing the 10 Clearing Principles for Boolgeeda Aerodrome	Yes	No	No	No	No	No
Biota (2010b)		Brockman Syncline 2 Pit 8 Vegetation and Flora Survey	Yes	No	No	No	No	No

Report reference	Rio Tinto report reference	Report title	Vegetation mapping data	Vegetation condition data	Relevé data	Quadrat data	Site by species matrix data	Stantec provided with the report
Biota (2010c)	RTIO-HSE-0098839	Brockman Syncline 2 Sustaining Tonnes Project and Pit 7 Land Bridge Vegetation and Flora Survey	Yes	No	2	15	No	Yes
Biota (2010d)		Brockman Syncline 4 Water Pipeline Corridor Biological Review	Yes	No	No	No	No	No
Biota (2010a)	RTIO-HSE-0092347	Nammuldi Infill Areas Vegetation and Flora Survey	Yes	No	1	32	No	Yes
Rio Tinto (2010a)	RTIO-HSE-0095196	Flora and Vegetation Assessment of the Proposed Brockman 2, Pit 1 Waste dump extension (B2P1-WDE) and Pit 1 Rehabilitation re-design (B2P1-WDRR), and the Nammuldi Lens E/F 2 Waste Dump extension (NLEF2-WDE)	Yes	No	No	No	No	Yes
Rio Tinto (2010b)		Flora and Vegetation of the Brockman 2, South West Detritals Study Area	Yes	No	No	No	No	No
Biota (2009c)		A Vegetation and Flora Survey of Beasley River - Summary Report	Yes	No	No	No	No	No
Biota (2009a)	RTIO-HSE-0091921	A Vegetation and Flora Survey of Expansion Areas at Nammuldi	Yes	No	No	13	Yes	Yes
Biota (2009d)	RTIO-HSE-0091922	A Vegetation and Flora Survey of Silvergrass West	Yes	No	No	15	No	Yes
Biota (2009b)	RTIO-HSE-0103172	Brockman Syncline 2 Pit 7 Extension - Vegetation and Flora Survey	Yes	No	No	8	No	Yes
Rio Tinto (2009a)		Flora and Vegetation Assessment for the Proposed Brockman 2 Landfill (B2L) site and Nammuldi Waste dump for Pit LEF (NLEFWD)	Yes	No	No	No	No	No
Rio Tinto (2009b)		Nammuldi Proposed Bulk out Stockpile (AR-08-03536) Native Vegetation Clearing Permit Report	Yes	No	No	No	No	No
Biota (2008)		Vegetation and Rare Flora of the BS4 33kV Powerline Corridor through the Boolgeeda Valley	Yes	No	No	No	No	No
Pilbara Flora (2008a)		Flora and Vegetation Survey for Exploration Drilling Areas at Silvergrass and Supporting Documentation for a Native Vegetation Clearing Permit Application November 2008	Yes	No	No	No	No	No
Pilbara Flora (2008b)		Flora and Vegetation Survey for the Development of the Brockman 2 Pit 7 Open Cut Mine and the Expansion of the Brockman Mining Camp Supporting Documentation for a Native Vegetation Clearing Permit App	Yes	No	No	No	No	No
Biota (2007a)	RTIO-HSE-0026690	A Flora Survey of the Brockman Syncline 4 Rail and Infrastructure Corridor	Yes	No	2	13	No	Yes
Biota (2007b)	RTIO-HSE-0040349	A Vegetation and Flora Survey of the Approved Powerline Corridor (East of Brockman Operation) for the Brockman Syncline 4 Project	Yes	No	No	No	No	Yes
Biota (2007c)		A Vegetation and Flora Survey of the White Quartz Road Corridor, near Tom Price	Yes	No	No	No	No	No
Biota (2006)		Metadata Statement Extension to Vegetation Mapping and Seasonal Resampling of Floristic Survey Quadrats in the Brockman Syncline 4 Project Area, near Tom Price	Yes	No	No	No	No	No
Biota (2005)		A Vegetation and Flora Survey of the Brockman Syncline 4 Project Area, near Tom Price	Yes	No	17	49	Yes	Yes
Halpern Glick Maunsell (1999a)		Nammuldi - Silvergrass Transport Corridor Vegetation and Flora Survey	Yes	No	No	No	No	No
Halpern Glick Maunsell (1999b)		Nammuldi / Silvergrass Soils Vegetation and Flora Survey	Yes	No	No	No	No	No
Halpern Glick Maunsell (1998)		Nammuldi Trial Operation Vegetation and Flora Survey	Yes	No	No	No	No	No
Hammersley Iron Pty Ltd (1996)		Homestead Exploration Lease: Biological Survey: Report: 1995	Yes	No	No	No	No	No

2.1.2 Consolidation of Vegetation Type Mapping

All previous vegetation type mapping undertaken within the Consolidation Area (**Table 2**) was combined (totalling 477 unique vegetation type codes). Vegetation type mapping for areas where no previous vegetation type mapping had been conducted was extrapolated using a combination of aerial imagery interpretation, adjacent vegetation type mapping, landform contour data and sample site data (quadrats, relevés and mapping notes, where available). The consolidation process involved:

- where polygons were assigned the description of 'D – Disturbed' and 'CD – Completely Degraded' but were not already included in the Rio Tinto disturbance layer, these polygons were verified and merged with the Rio Tinto disturbance layer;
- merging of similar vegetation type descriptions, to align with those described in Biota (2016a);
- merging of similar vegetation type descriptions, to align with those described in Biota (2019a, 2019b, 2019c) and Stantec (2019);
- ensuring the scale of mapping was consistent with that presented in Biota (2016a), where possible;
- updating species nomenclature and conservation status within the vegetation type descriptions to align respectively with the Western Australian Herbarium and, Commonwealth and State regulatory Acts (**Table 2**).

Table 2: Species nomenclature and conservation status revisions (current as at April 2020).

Old nomenclature	Updated/current nomenclature (conservation code)
<i>Triodia</i> sp. Millstream (A.A. Mitchell PRP 207)	<i>Triodia basitricha</i> (P3)
<i>Grevillea</i> sp. Turee (J. Bull & G. Hopkinson ONS JJ 01.01)	<i>Grevillea saxicola</i> (P3)
<i>Acacia exilis</i>	<i>Acacia exigua</i>

Additionally, individual species within the Mulga species complex (*Acacia aneura* and its close relatives; accommodating twelve species within the complex) were not considered separately and were treated as *Acacia 'aneura'* for the purpose of the consolidation exercise.

2.1.2.1 Identified ground-truthing points

A number of points were selected prior to the field surveys to assist with the on-ground verification of vegetation type descriptions and boundaries. The selection of these locations was largely informed by the results of the literature review and the desktop assessment, with particular attention given to site selection in areas where:

- there was no or limited previous survey effort;
- there was an overlap of multiple surveys (to determine the most accurate data source);
- there was a low degree of confidence in the vegetation types described and/or polygons delineated;
- the boundaries of different surveys joined;
- vegetation of significance had been identified; and
- the scale of mapping differed greatly.

2.1.3 Consolidation of Vegetation Condition Mapping

All previous vegetation condition mapping (**Table 1**) along with the location of all known weed species within the Consolidation Area was combined. The consolidation process involved:

- mapping according to the vegetation type polygons, overlaid with the disturbance layer provided by Rio Tinto (received July 16, 2019 (Brockman 4) and July 18, 2019 (Nammuldi-Silvergrass);
- where polygons were assigned the description of 'D – Disturbed' and 'CD – Completely Degraded' but were not already included in the Rio Tinto disturbance layer, these polygons were verified and merged with the Rio Tinto disturbance layer; and
- ensuring the scale was consistent with the Trudgen (1988), and EPA Technical Guidance (EPA 2016).

During the field survey, vegetation condition was opportunistically verified where access and time allowed.

2.1.4 Confidence in Mapping

Given the size of the Consolidation Area, limited time in the field for ground-truthing, the inability to ground-truth some areas due to access constraints and the variance in previous vegetation type mapping scale and descriptions, the consolidated vegetation type mapping was assigned a level of confidence based on the likely accuracy of mapping (**Table 3**).

Table 3: Criteria for confidence rating of consolidated vegetation type mapping.

Confidence rating	Description
High	Recent, Detailed vegetation type mapping supported by previous sample sites in nearby areas or Stantec 2019 mapping notes.
Medium	Previous vegetation type mapping conducted as part of a NVCP-level assessment, Level 1 flora and vegetation survey, targeted flora survey, riparian vegetation assessment or weed mapping, vegetation type mapping was conducted during below mean seasonal conditions. Survey conducted within the last five years.
Low	No vegetation type mapping has been conducted, or previous vegetation mapping is very old (>10 years).

2.1.5 Assessment of Vegetation Significance

2.1.5.1 Summary of Criteria

The Consolidation Area occurs within the Hamersley (PIL3) subregion of the Pilbara bioregion (Kendrick 2001). Within PIL3, several 'ecosystems at risk' (EAR) have been identified which occur in the Consolidation Area, including Threatened Ecological Communities (TEC), Priority Ecological Communities (PEC) and communities dominated by Mulga (*Acacia aneura* complex) and *Acacia xiphophylla* (Snakewood). Several ecological factors were considered for the assessment of the significance of vegetation types of the Consolidation Area, the full classification criteria set used is presented in (**Table 4**).

High quality or extensive representations of TECs and Priority 1 and Priority 2 PECs were classified as being 'Regionally Significant'. This classification also was applied to vegetation supporting high population densities of Priority 1 and Priority 2 flora and permanent aquatic GDE features and wetlands or significant and highly restricted obligate terrestrial GDE features.

A classification of 'High' local significance applied to vegetation types representing major drainage supporting core riparian vegetation, or the vegetation distinctly supports Priority 1 flora. Vegetation analogous with EARs such as Mulga communities was classified as 'Moderate' (**Table 4**).

Table 4: Criteria for assessing the significance of vegetation.

Scale	Ranking	Significance justification
Regional (broadly defined by IBRA bioregions or subregions)	Regionally significant	Environmental values (species/communities/ecosystems) directly protected under State and Commonwealth legislation. Features which warrant this level of recognition may include those classified as Critically Endangered, Endangered, Vulnerable, Migratory, and include RAMSAR and IUCN redlist values. Specifically: <ul style="list-style-type: none"> • Vegetation representative of TECs • Supports Threatened flora/fauna populations and associated habitat; • Significant permanent aquatic GDE features and wetlands or significant and highly restricted obligate terrestrial GDE features • Flora and vegetation values in a formal conservation reserve • Priority 1 and Priority 2 PECs or vegetation supporting high cluster/population densities (and associated vegetation) of Priority 1 and Priority 2 flora
Local to subregional^A	High local significance (and potential sub-regional significance)	Environmental values (species/communities/ecosystems) recognised of being of conservation interest, including regulatory listed values or conservation values defined by policy. Specifically: <ul style="list-style-type: none"> • TEC vegetation (and similar), supports Threatened flora/fauna populations and associated habitat • Priority 1 and Priority 2 PECs or vegetation supporting high cluster/population densities (and associated vegetation) of Priority 1 and Priority 2 flora • Significant aquatic and terrestrial GDEs • GDV associated with Major Drainage (Table 6) • Clearly obligate GDV on Moderate Drainage (or lower), or core riparian vegetation on Major Drainage • Communities similar to Priority 1 and Priority 2 PECs
Local (the scope of the Consolidation Area and up to a 50 km radius from a central location)	Moderate local significance	Environmental values with no formal recognition for conservation purposes. Generally includes values considered high interest, quality representation and potential new taxa to Rio Tinto or regulators, such as: <ul style="list-style-type: none"> • Priority 3 and Priority 4 PECs or vegetation types *similar to listed PECs • Priority 2 flora, high cluster/population densities (and associated vegetation) of Priority 3 flora • Significantly restricted vegetation/flora • Potential GDV (as defined in Section 2.1.5.2 on Major or Moderate Drainage (Table 6), and GDV on Moderate Drainage • clearly representative of an EAR
	Low local Significance	<ul style="list-style-type: none"> • Vegetation supporting Priority 3 flora and Priority 4 flora • Riparian vegetation on minor drainage and other vegetation with limited representation
	Low to negligible local significance	Remaining vegetation with no informal or formal conservation significance, however in acknowledgment that all biological features possess environmental value and potential significance

^AAs regionally significant features are also highly significant at the local scale, there is substantial overlap between the regionally significant and high local significance classifications.

*Similar vegetation types: refers to a number of situations but predominantly where a relevant portion of the described floristic assemblage and dominant species for a listed community (i.e. TEC or PEC) are recorded as present in a community.

2.1.5.2 Riparian Vegetation Criteria

The criteria used to assign a vegetation type to a drainage ranking category largely depended on the degree of riparian species present within the vegetation type description. Key indicator species of major drainage, and typical riparian species associated with intermediate drainage are listed in **Table 5**, while **Table 6** provides definitions of major drainage systems, moderate drainage systems and minor local drainage systems. The key indicator species listed in **Table 5** are purely a guide, and neither represent an exhaustive list nor are they explicitly present in each drainage class alone. Significant variability is observed in the distribution of these species with respect to drainage size and landscape position.

Groundwater dependent vegetation refers to plant communities that require the input of groundwater to maintain composition, structure and function, and may include terrestrial ecosystems that show reliance on groundwater, river base flow systems and wetlands (Murray *et al.* 2003) Two classifications of GDV are referred to in this assessment as:

- 'Potential GDV': refers to riparian vegetation which has typically been identified and flagged purely by establishing the presence of known keystone phreatophytes in the drainage system. This is a typically a relatively simplistic determination, and as such confidence is low and the determination only infers the potential for the vegetation to be groundwater dependent. Alternatively, in some situations, this term can refer to features, which have received an elevated level of investigation, but groundwater heights and vegetation characteristics are such that groundwater dependence is less clear and potentially only important in drought or at key life stages.
- 'GDV': refers to riparian vegetation which is more clearly representative of GDV and thus more likely reliant on groundwater. This can be determined via three key scenarios;
 - The vegetation has been demonstrated to possess key obligate phreatophytic species such as *Melaleuca argentea* and to a lesser degree *Sesbania formosa*.
 - The riparian vegetation in question has been the subject of a more rigorous level of investigation, and as such the GDV determination has been made by considering multiple lines of evidence including the presence of; obligate phreatophytes, obligate phreatophytic vegetation, complex vegetation structure, surface water regime, and likely proximity of groundwater.
 - Groundwater levels demonstrated as shallow and consistent occurring approximately 0-5 m below ground level (and up to 8 m below ground level), typically in conjunction with riparian vegetation formations.

With respect to identifying aquatic GDE's and more generally when identifying wetlands and pools, determinations of the presence of permanent surface water features should generally be supported by hydrological and/or hydrogeological data. Permanent water features are generally supported by groundwater or specific hydrological regimes and are not reliably able to be determined by basic irregular observations or the presence/absence of indicator species.

Table 5: Key/common indicator riparian species of major and moderate drainage systems within the Pilbara.

Ranking	Overstorey	Midstorey	Understorey
Regional & Major drainage	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> <i>Melaleuca argentea</i> <i>Sesbania formosa</i>	<i>Melaleuca glomerata</i> , <i>Melaleuca linophylla</i> , <i>Melaleuca bracteata</i> , <i>Acacia ampliceps</i> , <i>Ficus virens</i> , <i>Ficus geniculata</i> , <i>Gymnanthera cunninghamii</i>	<i>Typha domingensis</i> <i>Cyperus vaginatus</i> <i>Eleocharis</i> spp. <i>Samolus</i> spp. <i>Schoenoplectus</i> spp.
Moderate drainage	<i>Eucalyptus victrix</i> <i>Eucalyptus xerothermica</i> <i>Corymbia candida</i>	<i>Acacia citrinoviridis</i> , <i>Acacia colei</i> , <i>Acacia tumida</i> , <i>Acacia coriacea</i> subsp. <i>pendens</i> , <i>Atalaya hemiglauca</i> , <i>Gossypium robinsonii</i> , <i>Petalostylis labicheoides</i>	<i>Cyperus vaginatus</i> <i>Eulalia aurea</i>

Table 6: Criteria for assessing drainage systems supporting riparian vegetation.

Ranking	Catchment Characteristics		Species / GDV Criteria
	Origin of Headwaters	Catchment size reporting to the study area locality	
<p>Regional drainage</p> <p>(Rivers, very large creeks and permanent pools)</p>	<p>Headwaters derived regionally, and spanning a significant distance.</p> <p>Upstream catchment distributed regionally (i.e. crossing multiple localities) before reporting to/ intersecting the locality of the study area</p>	<p>~ >1,000 km² (generally > 2,000 km²)</p>	<p>Key indicator species of Regional and Major Drainage (Table 5) are dominant. Obligate phreatophytes (such as <i>Melaleuca argentea</i>) are common and intermittently dominant.</p> <p>The associated vegetation is almost always representative of potential GDV and generally possesses extensive reaches clearly representative of GDV.</p>
<p>Major drainage</p>	<p>Headwaters of catchment clearly positioned outside the study area and its locality (i.e. derived non-locally) before reporting to/intersecting the locality of the study area</p>	<p>~ >200 km² (generally >500 km²)</p>	<p>Key indicator species of Regional and Major Drainage (Table 5) are present and dominant in at least bed/bank/bench fluvial positions. Typical intermediate-level riparian indicator species are also common.</p> <p>The associated vegetation is almost always representative of potential GDV, and often possesses portions of vegetation clearly representative of GDV.</p>
<p>Moderate drainage</p>	<p>Headwaters of catchment generally positioned locally (i.e. arising in or in the vicinity of the study area) or in some cases extending into areas directly adjacent to the locality of the study area.</p>	<p>~ 10-200 km² (potentially up to 400 km²)</p>	<p>Typical Moderate Drainage riparian indicator species are dominant (Table 5). The key indicator species of major drainage may be present, but generally not dominant and typically exhibit a scattered to rare distribution in the riparian zone.</p> <p>The associated vegetation is often representative of potential GDV and can possess small portions of vegetation clearly representative of GDV.</p>
<p>Minor drainage or floodplains</p>	<p>Headwaters of catchment clearly positioned locally (i.e. arising in the vicinity of the study area).</p>	<p>~ <10 km² (generally <5 km²)</p>	<p>A combination of low-level riparian taxa and species typically associated with more xerophytic (to vadophytic) habitats (i.e. hills and/or plains) are generally co-dominant.</p> <p>Typical Moderate Drainage indicator species are at times present but rarely dominant (Table 5). Species indicative of major drainage are generally rare to absent.</p> <p>The associated vegetation is rarely representative of potential GDV. While increasingly rare, minor drainage can possess very small portions of vegetation clearly representative of GDV – typically where drainage interacts with variable topography and basement lithology.</p>

2.1.5.3 Significant Flora Criteria

Assessment of the locations of significant flora species were made to determine their relationship to vegetation mapping. No Threatened flora are known or expected to occur within the Consolidation Area. Given Priority 4 species only trigger 'Low' significance, these had only cursory assessment. Instances where Priority flora records were located near the boundary of a vegetation type were investigated to determine if the record was an influence of the neighbouring habitat, and therefore not a true reflection of the broader units' capacity to support the Priority flora. Discretion was particularly used for the largest vegetation types which also had an absence of Priority flora through the interior of their polygons. For example 'H26' is a widespread unit associated with hills; the majority of P1 and P2 records within the unit are located near the boundary, suggesting the typical features of the vegetation type were not associated with significant flora. A vegetation type that distinctly supported Priority flora was one that contained multiple locations of Priority flora well beyond (>50 m) the edge of the vegetation boundary.

To define a 'high cluster density' of P3 flora, a total count of individuals in each cell of a 50 m by 50 m grid applied over the Consolidation Area was performed. The cell size was chosen to match the quadrat dimensions used in the surveys. Of those cells containing P3 flora, the counts ranged from one to 5,015 individuals. The top 10% of counts (76 and above individuals per cell) were deemed to be high density clusters.

An average density (P3 individuals per hectare) in each vegetation type was also considered to define 'high cluster densities' of P3 flora. However, it was considered that cluster analysis would better accommodate the spatial variability of sampling and surveying. That is, since survey efforts did not provide complete coverage of the Consolidation Area (see **Sections 3 and 4.4**), areas where survey effort did occur (with Priority flora recorded) are more reliable and representative of the vegetation type.

2.2 Field Survey

2.2.1 Approach

To verify and better inform the desktop consolidation mapping, ground-truthing of vegetation at sites identified during the desktop assessment was undertaken (**Appendix A**). Ground-truthing was predominantly undertaken in areas that were easily accessible and involved the recording of 308 mapping notes (**Appendix B**). Information collected for each mapping note included:

- Location – one central co-ordinate measured using a GPS unit (MGA50, GDA94);
- Vegetation description – described according to:
 - Biota (2016a); and
 - Level 5 of the National Vegetation Information System (ESCAVI 2003) and classified in accordance with the Aplin (1979) adaptation of the vegetation classification system of Specht (1970) (**Appendix C**);
- Vegetation condition – assessed according to Trudgen (1988) and EPA Technical Guidance (EPA 2016) (**Appendix D**); and
- Site photograph – at least one photograph taken of the surrounding vegetation.

Where necessary, the boundaries and descriptions of previous vegetation type mapping were altered in the field.

2.2.2 Survey Team and Timing

The field survey was undertaken over three separate site visits:

- Survey 1: 17 to 29 May 2019;
- Survey 2: 11 to 23 August 2019; and
- Survey 3: 26 to 31 August 2019.

The field survey was led by Alice Bott (Stantec flora and vegetation technical lead) and supported by team lead, Julia Mattner (senior botanist). Alice and Julia both have extensive botanical experience in the Pilbara Bioregion. Team leads were supported by Julijanna Hantzis and Scott Pansini (**Table 7**).

Table 7: Summary of field personnel responsible for undertaking the field survey.

Personnel	Qualification	Survey role	Years of experience	Flora licence(s)
Alice Bott	BSc. (Environmental Biology) BSocSc. (Geography)	Technical Lead Survey lead/Team lead	10	FB62000072 (flora taking) 145A-1718 (DRF)
Julia Mattner	Doctor of Philosophy (Conservation Biology) BSc. (Hons.) Rehabilitation of Eroded Rangelands	Team lead	20	FB62000060 (flora taking)
Julijanna Hantzis	BSc. (Environmental Biology)	Survey member	2	FB62000132 (Flora taking) TFL 21-1920 (DRF)
Scott Pansini	BSc. (Conservation and Wildlife Biology and Biological Science)	Survey member	2	FB62000122 (Flora taking) TFL 22-1920 (DRF)

3. Limitations and Constraints

The below summarises those aspects which impacted on the adequacy of the consolidation exercise:

- Subsequent to the field surveys, relatively small un-surveyed areas were added to the Consolidation Area on two occasions (1,111.6 ha). Vegetation types and vegetation condition were extrapolated based on surrounding habitat types and aerial imagery.
- The confidence in consolidation vegetation type and condition mapping is limited by the consistency and quality of the previous reports. Ground-truthing and confidence ratings assisted in indicating where the greatest levels of uncertainty were.
- A large portion of the Consolidation Area (19,441 ha) was surveyed in 2019 by Biota (2019a, 2019b, 2019c) and was not required to be ground-truthed by Stantec as per the Scope of Works. Subsequent to the survey work being completed by Stantec (2019), the vegetation type mapping within the Biota (2019a, 2019b, 2019c) survey areas was found to differ in scale and nomenclature to Biota (2016b). Consequently, it was necessary to modify the vegetation type codes and descriptions and remap some areas within the Biota (2019a, 2019b, 2019c) survey areas as a desktop exercise. This task was informed by aerial imagery and quadrats/relevés presented within the Biota (2019a, 2019b, 2019c) reports.
- Confidence in vegetation type and condition mapping was low for some previous mapping due to age and scope of survey.
- The quality of aerial imagery available at the time of the previous surveys.
- Varying degree of seasonal conditions for the previous surveys and reports considered.
- Varying degrees of vegetation type mapping detail, depending on the size of the survey area and the purpose of the survey.
- Previous surveys have used different coding systems for the vegetation types and in some cases descriptions of these codes were not available, such that it is difficult to determine equivalent vegetation types between different surveys.
- The desktop assessment did not include surveys conducted in the vicinity or overlapping the Consolidation Area where spatial data was absent or incomplete. The rationale for surveys incorporated in this consolidation is presented in **Table 1**.
- The consolidation vegetation type and vegetation condition mapping incorporated two previous consolidation works, Eliwana (Biota 2017) and Nammuldi-Silvergrass Integration (Biota 2012b) which covered 8,708 ha (11.6%) and 44,499 ha (59.3%) of the Consolidation Area, respectively.

4. Results and Discussion

4.1 Vegetation Type Mapping

One hundred and eighteen vegetation types (excluding disturbed) were mapped within the Consolidation Area. Of these, six represent mosaic vegetation types and 30 vegetation types have previously been identified and described by Biota (2016a) (**Table 8; Appendix E**).

As the vegetation type descriptions developed by Biota (2016a) were for a relatively small area (2,436 ha, covering approximately 25 km by 5 km) versus the Consolidation Area (76,198.6 ha, covering approximately 60 km by 60 km), numerous other vegetation types were also identified and described. This comprised 61 vegetation types recently identified and described by Biota (2019a) (17), Biota (2019c) (21), Biota (2019b) (four) and Stantec (2019) (19).

The remaining vegetation types were developed from the previous vegetation type mapping and aligned to level V of the NVIS (DotEE 2017) and classified according to the Aplin (1979) modification of the vegetation classification system of Specht (1970).

There are 17 vegetation types presented in **Table 8** that comprise less than 10 ha of the total Consolidation Area. These have not been merged with other vegetation types due to one or both of the following:

- the vegetation type makes up part of a mosaic community; and
- the vegetation type was described by Biota (2016a), Biota (2019a, 2019c) and further ground truthing did not occur.

A figure presenting an overview of the vegetation type mapping is provided in **Appendix E** and a representative photograph of each vegetation type is presented in **Appendix F**.

Table 8: Vegetation type descriptions within the Consolidation Area.

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion %)	Sampling sites	Vegetation significance	Significance justification
Acacia 'aneura' woodlands and shrublands							
A1	AanAayTeTw (Biota 2016a)	Acacia 'aneura' and <i>A. ayersiana</i> low woodland over <i>Triodia epactia</i> and <i>T. wiseana</i> open hummock grassland.	Poor to Excellent	379.49 (0.50)	BMF11, BMF14, BMFRSPH	Moderate	EAR (Mulga)
A2	AanAprAbAeTe (Stantec 2019)	Acacia 'aneura' scattered low trees to low open woodland over <i>A. pruinocarpa</i> scattered tall shrubs over <i>A. bivenosa</i> and <i>A. exigua</i> open shrubland over <i>Triodia epactia</i> hummock grassland.	Poor to Excellent	3,202.14 (4.20)	BKC03, BKC04, BKC05, BKC06, ENIF07, ENIF12, GBS105, GBS112, GBS48, GBS65, GBS72, GBS81, LDS12, LDS14, LDS15, LDS21, LDS31, LDS36, LDS39, mbGBS361, mnGBS186, mnGBS190, mnGBS194, mnGBS273, mnGBS283, mnGBS312, mnGBS318, mnGBS320, mnGBS322, mnGBS324, mnGBS334, mnGBS340, mnGBS389, mnGBS395, mnGBS397, mnGBS405, PLMN01, PLMN30, rGBS135, rGBS143.	Moderate	EAR (Mulga)
A3	AanAprTwTe	Acacia <i>aneura</i> (<i>A. pruinocarpa</i>) low open forest over <i>Triodia epactia</i> hummock grassland.	Poor to Excellent	48.10 (0.06)	Vegetation type mapping data only, sample sites not provided.	Moderate	EAR (Mulga)
A4	MOSAIC: AanAprTwTe/AxAantSpP	Acacia <i>aneura</i> (<i>A. pruinocarpa</i>) low open forest over <i>Triodia epactia</i> hummock grassland / Acacia <i>xiphophylla</i> (<i>A. 'aneura'</i>) tall shrubland over <i>Triodia</i> spp. very open hummock grassland.	Very Good	0.90 (<0.01)	Vegetation type mapping data only, sample sites not provided.	Moderate	EAR (Mulga/Snakewood)
A5	AanCHf	Acacia 'aneura' low open woodland over <i>Chrysopogon fallax</i> very open tussock grassland.	Very Good	90.32 (0.12)	Vegetation type mapping data only, sample sites not provided.	Moderate	EAR (Mulga)
A6	AanCHfTe (Biota 2019c)	Acacia 'aneura' low woodland over <i>Chrysopogon fallax</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.	Poor to Excellent	931.95 (1.22)	SGW14, ENIF02, ENIF04, ENIF06, LDS02, LDS03, LDS04, LDS05, LDS11, LDS15, MM1, MN, SG01, SG03, SG05, SGr01, SGr03, SGr04, SGr06, SGr07, SGS23, SGS25, SGS30, SGS37.	Regionally significant	High population density of P1 flora
A7	AanExAatAbCHfTe	Acacia 'aneura', <i>Eucalyptus xerothermica</i> open woodland over <i>A. atkinsiana</i> , <i>A. bivenosa</i> open shrubland over <i>Chrysopogon fallax</i> open tussock grassland over <i>Triodia epactia</i> hummock grassland.	Very Good	2.10 (<0.01)	Vegetation type mapping data only, sample sites not provided.	Moderate	EAR (Mulga)
A8	AanGsTbrTlo	Acacia 'aneura' and <i>Grevillea saxicola</i> low open woodland over <i>Triodia brizoides</i> and <i>T. longiceps</i> very open hummock grassland.	Excellent	1.21 (<0.01)	MMF23.	Moderate	EAR (Mulga); P3 Flora cluster; limited local representation
A9	AanTeTw	Acacia 'aneura' low woodland to tall open scrub over <i>Triodia epactia</i> and <i>T. wiseana</i> very open hummock grassland.	Poor to Excellent	1,359.29 (1.78)	mnGBS250, mnGBS313.	Moderate	EAR (Mulga)
A10	AanTspP	Acacia 'aneura' low open forest over <i>Triodia</i> spp. very open hummock grassland and mixed bunch grassland.	Degraded to Excellent	48.60 (0.06)	BMF-RMI, WQR12, WQR18.	Moderate	EAR (Mulga)
Creeklines and floodplains							
C1	EvAciGOrSsAbApyTrfTeCc (Stantec 2019)	<i>Eucalyptus victrix</i> low woodland over Acacia <i>citrinovidis</i> and <i>Gossypium robinsonii</i> tall shrubland over <i>Stylobasium spathulatum</i> , <i>A. bivenosa</i> and <i>A. pyrifolia</i> scattered shrubs to open shrubland over <i>Tephrosia rosea</i> var. <i>Fortescue</i> creeks (M.I.H Brooker 2186) low open shrubland over <i>Triodia epactia</i> very open hummock grassland and * <i>Cenchrus ciliaris</i> (<i>Themeda triandra</i>) tussock grassland.	Degraded to Excellent	121.95 (0.16)	DHR-RSF, ELWREL09, E-S02, GBS33, GBS35, GBS36, GBS62, I12-03, I12-04, I12-05, I17-01, I17-02, I17-03, I17-04, I17-05, I17-06, I17-07, mnGBS184, MNGBS21, MNGBS23, RJ1, WTE02, WTE02, Z1-5, Z1-15, Z2-8, Z2-18.	Moderate	Moderate drainage systems supporting riparian vegetation; P2 flora
C2	ExAciAlTHfTe (Biota 2019a)	<i>Eucalyptus xerothermica</i> scattered low trees over Acacia <i>citrinovidis</i> tall shrubland to tall open scrub over <i>Androcalva luteiflora</i> , (<i>A. maitlandii</i>) open shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.	Excellent	336.35 (0.44)	GBS106, LDS08, LDS26, LDS32, LDS-REL01, LDS-REL03, LDSSCMN05, LDSSCMN21, LDSSCMN22, MN, mnGBS300, PLMN01.	Low	Occasional P2 flora

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
C3	EcGORsSANITeTHtTe (Biota 2019a)	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> (<i>E. victrix</i>) scattered trees to open woodland over <i>Gossypium robinsonii</i> (<i>Acacia citrinoviridis</i> , <i>A. coriacea</i> subsp. <i>pendens</i> and <i>Melaleuca glomerata</i>) tall shrubland over <i>Stylobasium spathulatum</i> , <i>Androcalva luteiflora</i> shrubland over <i>Tephrosia rosea</i> var. <i>Fortescue</i> creeks (M.I.H. Brooker 2186) low shrubland over <i>Themeda triandra</i> very open tussock grassland and <i>Triodia epactia</i> very open hummock grassland.	Very Good to Excellent	52.69 (0.07)	BMF-RMZ, DC01, LDS10, LDS-REL04, LDSSCMN09, LDSSCMN13, LDSSCMN20.	High = Duck Creek mapping polygons Moderate = less-substantial tributaries	Groundwater Dependent Vegetation (GDV) / major drainage supporting riparian vegetation (Duck Creek) Potential Groundwater Dependent Vegetation (GDV) / moderate drainage supporting riparian vegetation
C4	EcMgCYPv (Biota 2019b)	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> woodland to open forest over <i>Melaleuca glomerata</i> (<i>M. bracteata</i>) tall shrubland to tall open scrub over <i>Cyperus vaginatus</i> scattered sedges.	Excellent	34.98 (0.07)	GBS114, GBS118.	High	Potential GDV / Major drainage systems supporting riparian vegetation (Caves Creek; <1,500 km ² catchment in study area)
C5	EvAciTeCc	<i>Eucalyptus victrix</i> scattered trees over <i>Acacia citrinoviridis</i> tall shrubland over <i>Triodia epactia</i> open hummock grassland and/or * <i>Cenchrus ciliaris</i> open tussock grassland.	Poor	2.10 (<0.01)	Vegetation type mapping data only, sample sites not provided.	Low	Minor local drainage systems supporting riparian vegetation
C6	EvEcChAcEUa (Biota 2019c)	<i>Eucalyptus victrix</i> and <i>E. camaldulensis</i> subsp. <i>refulgens</i> woodland over <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia citrinoviridis</i> (* <i>Vachellia farnesiana</i>) tall open scrub over <i>Eulalia aurea</i> (<i>Themeda triandra</i> , <i>Enteropogon ramosus</i> , <i>Dichanthium fecundum</i> and <i>Bothriochloa ewartiana</i>) open tussock grassland.	Good to Excellent	123.92 (0.16)	C03-01, C03-02, C03-03, C03-04, C03-05, C03Q01, C03Q03, C03Q05, mnGBS335, mnGBS339, SGS12, SGS13, SGS-REL11.	High	Potential GDV / Major drainage systems supporting riparian vegetation (Caves Creek; <1,500 km ² catchment in study area)
C7	AciAbTe (Biota 2016a)	<i>Acacia citrinoviridis</i> (<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>) low open woodland over <i>Acacia bivenosa</i> tall shrubland over <i>Triodia epactia</i> open hummock grassland.	Good to Excellent	48.82 (0.06)	BMF-RMS, BMF-RMU, BS05, BS09, BS12, BS13, MMF12, MMFR12.	Low	Minor local drainage systems supporting riparian vegetation
C8	AciAtuAbTe (Biota 2016a)	<i>Acacia citrinoviridis</i> (<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>) low open woodland over <i>A. tumida</i> var. <i>pilbarensis</i> and <i>A. bivenosa</i> tall shrubland over <i>Triodia epactia</i> open hummock grassland.	Good to Excellent	10.16 (0.01)	BMF15, BMF-RCB.	Low	Minor local drainage systems supporting riparian vegetation
C9	CdEgAatAeTw (Biota 2019a)	<i>Corymbia deserticola</i> subsp. <i>deserticola</i> low open woodland over <i>Eucalyptus gamophylla</i> low open mallee woodland over <i>Acacia atkinsiana</i> (<i>A. exigua</i>) tall open shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> hummock grassland.	Very Good to Excellent	85.29 (0.11)	B2S-REL05, B2S-REL07, BKM15, PLMN01, PLMN02.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C10	ChAciGOSsVfCcTHT (Stantec 2019)	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia citrinoviridis</i> high shrubland over <i>Gossypium sturtianum</i> , <i>Stylobasium spathulatum</i> and * <i>Vachellia farnesiana</i> open shrubland over * <i>Cenchrus ciliaris</i> and <i>Themeda triandra</i> open tussock grassland to tussock grassland.	Degraded to Excellent	90.72 (0.12)	GBS78, GBS83, MMW-RRD, MMW-RRF, MN11a, mnGBS127, mnGBS135, mnGBS222, MNGBS41.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C11	ChAncAmonAbAciSaoTeTHtERmCc (Stantec 2019)	<i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia ancistrocarpa</i> , <i>A. monticola</i> , <i>A. bivenosa</i> and <i>A. citrinoviridis</i> tall open scrub over <i>Senna artemisioides</i> subsp. <i>oligophylla</i> scattered shrubs <i>Triodia epactia</i> open hummock grassland to hummock grassland and <i>Themeda triandra</i> , <i>Eriachne mucronata</i> and * <i>Cenchrus ciliaris</i> scattered hummock grasses.	Very Good to Excellent	5.53 (0.01)	GBS31, GBS75, GBS77, mnGBS147, rGBS109.	Low	Minor local drainage systems supporting riparian vegetation

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
C12	MOSAIC: ChAncAmonAbAciSaoTeTHtERmCc/ Tw	<i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia ancistrocarpa</i> , <i>A. monticola</i> , <i>A. bivenosa</i> and <i>A. citrinoviridis</i> tall open scrub over <i>Senna artemisioides</i> subsp. <i>oligophylla</i> scattered shrubs <i>Triodia epactia</i> open hummock grassland to hummock grassland and <i>Themeda triandra</i> , <i>Eriachne mucronata</i> and <i>*Cenchrus ciliaris</i> scattered hummock grasses / <i>T. wiseana</i> hummock grassland.	Excellent	131.32 (0.17)	GBS31, GBS75, GBS77, mnGBS147, rGBS109.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C13	ChAtuGOrApyCOcPoTrFTHtTe (Biota 2019a)	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Gossypium robinsonii</i> tall open shrubland over <i>A. pyrifolia</i> open shrubland over <i>Corchorus crozophorifolius</i> , <i>Ptilotus obovatus</i> and <i>Tephrosia rosea</i> var. <i>Fortescue</i> creeks (M.I.H. Brooker 2186) low open shrubland over <i>Themeda triandra</i> (<i>*Cenchrus ciliaris</i>) very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.	Good to Excellent	31.57 (0.04)	B2S04, B2S07, Br2-13, DHR-RSG, BKM12, MNRM06.	Moderate	P3 flora cluster
C14	ChEIAITrFtEUaTHtCc (Stantec 2019)	<i>Corymbia hamersleyana</i> low open woodland to low woodland over <i>Eremophila longifolia</i> and <i>Androcalva luteiflora</i> open shrubland over <i>Tephrosia rosea</i> var. <i>Fortescue</i> creeks (M.I.H. Brooker 2186) (<i>Acacia pyrifolia</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> and <i>Ptilotus obovatus</i> subsp. <i>obovatus</i>) low open shrubland to low shrubland over <i>Triodia epactia</i> very open hummock grassland and <i>Eulalia aurea</i> , <i>Themeda triandra</i> and <i>*Cenchrus ciliaris</i> (<i>Chrysopogon fallax</i> , <i>Cymbopogon ambiguus</i> and <i>Enneapogon robustissimus</i>) tussock grassland.	Good to Excellent	1,592.22 (2.09)	B12-01, B12-13, B13-05, B13-10, B18-01, B18-02, B18-03, B18-04, B18-05, B18-06, B18-07, B18-08, BKC02, BRV01, BRV-SA, GBS01, GBS10, GBS14, GBS50, H18, H19, MMW-RRE, MN11, MN25, MN26, mnGBS129, mnGBS130, mnGBS152, mnGBS188, mnGBS192, mnGBS198, mnGBS200, mnGBS202, mnGBS204, mnGBS206, mnGBS210, mnGBS235, mnGBS275, mnGBS277, mnGBS279, mnGBS281, mnGBS287, mnGBS289, rGBS121.	Moderate	P3 flora cluster
C15	ChElGwGOrTsMBEUaPmTe	<i>Corymbia hamersleyana</i> and <i>Eucalyptus leucophloia</i> low woodland over <i>Grevillea wickhamii</i> tall shrubland over <i>Gossypium robinsonii</i> open shrubland over <i>Themeda</i> sp. Mt. Barricade, <i>Eulalia aurea</i> and <i>Paraneurachne muelleri</i> open tussock grassland or <i>Triodia epactia</i> hummock grassland.	Very Good to Excellent	118.83 (0.16)	Vegetation type mapping data only, sample sites not provided.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C16	EcExAciAanTe	<i>Eucalyptus camaldulensis</i> and <i>E. xerothermica</i> low woodland over <i>Acacia citrinoviridis</i> and <i>A. 'aneura'</i> tall open shrubland over mixed tussock grassland and <i>Triodia epactia</i> very open hummock grassland.	Good to Excellent	581.49 (0.76)	NMM02.	Moderate	Potential GDV / EAR (Mulga)
C17	EgAaAkTeTw (Stantec 2019)	<i>Eucalyptus gamophylla</i> scattered mallees over <i>Acacia atkinsiana</i> and <i>A. kempeana</i> scattered high shrubs to high open shrubland over <i>Triodia epactia</i> and <i>Triodia wiseana</i> open hummock grassland to hummock grassland.	Very Good to Excellent	324.11 (0.43)	661, 662, 664, GBS03, GBS07, GBS20, GBS74, GBS76, GBS79, MNGBS01, MNGBS04, mnGBS104, mnGBS105, mnGBS106, mnGBS107, mnGBS108, mnGBS109, mnGBS111, mnGBS123, mnGBS124, MNGBS13a.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C18	EIAciAbAmonTeTHt (Stantec 2019)	<i>Eucalyptus leucophloia</i> low open woodland over <i>Acacia citrinoviridis</i> , <i>A. bivenosa</i> and <i>A. monticola</i> high shrubland over <i>Triodia epactia</i> open hummock grassland and <i>Themeda triandra</i> very open tussock grassland.	Very Good to Excellent	52.06 (0.07)	BMF-RMV, GBS101, GBS15, GBS80, H7, H8, mnGBS101, mnGBS357, rGBS125, S6.	Low	P2 flora were absent from interior of polygons, and likely associated with neighbouring vegetation types
C19	EIChApyAiAmaiTeTw (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> low open woodland over <i>Acacia pyrifolia</i> , <i>A. inaequilatera</i> and <i>A. maitlandii</i> tall open shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> hummock grassland.	Excellent	12.63 (0.02)	PLMN04.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C20	EIChGOrApyTHtTe (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> scattered low trees over <i>Gossypium robinsonii</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> open shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.	Excellent	24.00 (0.03)	B2EXR23, B2EXR23, B2EXR32, B2EXR32, B2EXR37, B2EXR37, B2EXR41, J021, J021, J042-R27, J042-R27, J123-R62, MN, PLMN12.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
C21	EIAbTe (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> shrubland over <i>Triodia epactia</i> hummock grassland.	Degraded to Excellent	49.62 (0.07)	BMF13, MMF09.	Negligible	n/a
C22	EvAciAtuApyTHtTe	<i>Eucalyptus victrix</i> open woodland over <i>Acacia citrinoviridis</i> scattered low trees over <i>Acacia tumida</i> , <i>A. bivenosa</i> and <i>A. pyriformis</i> tall open shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.	Good to Very Good	90.32 (0.12)	B11-01, B11-02, B11-03, B11-04, B11-05, B11-06, B11-07, B11-08, B11-09, B11-10, B11-11, B12-02, B12-03, B12-04, B12-05, B12-06, B12-07, B12-08, B12-09, B12-10, B12-11, B12-12, B13-06, B13-07, B13-08, B18-09, B18-10, B18-11, B18-12, B18-13, B18-14, BRV02.	Moderate	P2 flora
C23	ExAciSsAbEITe (Stantec 2019)	<i>Eucalyptus xerothermica</i> scattered low trees over <i>Acacia citrinoviridis</i> , <i>Stylobasium spathulatum</i> and <i>Acacia bivenosa</i> high shrubland over <i>Eremophila longifolia</i> open shrubland over <i>Triodia epactia</i> (<i>Triodia angusta</i>) hummock grassland.	Very Good to Excellent	100.05 (0.13)	11, BW08, BW09, ELW52b, GBS22, GBS91, mnGBS132, mnGBS183, mnGBS187.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C24	ExAciTeCc (Biota 2016a)	<i>Eucalyptus xerothermica</i> open woodland over <i>Acacia citrinoviridis</i> low woodland over <i>Triodia epactia</i> very open hummock grassland with <i>Cenchrus ciliaris</i> and <i>Themeda triandra</i> tussock grassland.	Degraded to Excellent	312.69 (0.41)	BMF09, BMF12, BMF-RMB, BMF-RMH, BRO22, DHR-RSI, BRL02, BRL15, WNIF02, WNIF03, WQR11, MMW-RCK.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C25	ExChAbAcAelaAeTeEUa	<i>Eucalyptus xerothermica</i> and <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia bivenosa</i> , <i>A. cowleana</i> , <i>A. elachantha</i> and <i>A. exigua</i> tall shrubland over <i>Triodia epactia</i> hummock grassland and <i>Eulalia aurea</i> open tussock grassland.	Good to Excellent	109.96 (0.14)	Vegetation type mapping data only, sample sites not provided.	Low	Minor local drainage systems supporting riparian vegetation
C26	ExChAsppGgTe (Biota 2019c)	<i>Eucalyptus xerothermica</i> and/or <i>Corymbia hamersleyana</i> low open woodland over <i>Acacia</i> spp. and <i>Gastrolobium grandiflorum</i> open shrubland over <i>Triodia epactia</i> (<i>T. wiseana</i>) open hummock grassland.	Good to Excellent	155.71 (0.20)	41, MM12, MM14, mnGBS285, PLMN02, PLMN09, SGS27, SGS-REL04, SGS-REL07.	Low	Minor local drainage systems supporting riparian vegetation; P3 flora
C27	ExEvMgAciAcpAbTaTeTHtCc (Stantec 2019)	<i>Eucalyptus xerothermica</i> and <i>Eucalyptus victrix</i> low open woodland to low woodland over <i>Melaleuca glomerata</i> , <i>Acacia citrinoviridis</i> , <i>A. coriacea</i> subsp. <i>pendens</i> and <i>A. bivenosa</i> tall shrubland over <i>Triodia angusta</i> and <i>Triodia epactia</i> very open hummock grassland and <i>Themeda triandra</i> and <i>Cenchrus ciliaris</i> very open tussock grassland.	Very Good to Excellent	137.19 (0.18)	10, 53, BW10, WNIF10, GBS57, J413, mbGBS179, mbGBS181, MN33, mnGBS130, mnGBS201, mnGBS203, mnGBS205, mnGBS211, mnGBS213, mnGBS271, rGBS117, rGBS131.	Moderate	Moderate drainage systems supporting riparian vegetation
C28	EcFgFbTYdPLr (Biota 2019a)	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> open woodland over <i>Ficus geniculata</i> var. <i>insignis</i> , (<i>F. brachypoda</i>) low open woodland over <i>Typha domingensis</i> very open sedgeland with <i>Pluchea rubelliflora</i> scattered low shrubs.	Excellent	0.33 (<0.01)	LDS-REL06, LDSSCMN14.	High	Potential GDV / Moderate drainage systems supporting riparian vegetation; P1 Flora
C29	EIAmonAmaiAatTeTw (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia monticola</i> , <i>A. maitlandii</i> and <i>A. atkinsiana</i> tall open scrub over <i>Triodia epactia</i> and <i>T. wiseana</i> open hummock grassland.	Poor to Excellent	620.81 (0.81)	BMF-RML.	Negligible	n/a
C30	AancAciTe (Biota 2016a)	<i>Acacia ancistrocarpa</i> , (<i>A. citrinoviridis</i>) tall open shrubland over <i>Triodia epactia</i> open hummock grassland.	Good to Excellent	30.14 (0.04)	MMF08, MMFR08.	Low	P4 flora
Hills							
H1	ChAiAbTw (Biota 2019a)	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia inaequilatera</i> and <i>A. bivenosa</i> open shrubland over <i>Triodia wiseana</i> hummock grassland.	Poor to Excellent	2,056.96 (2.70)	BMF18, BMF30, BMF-RMY, BRL08, BRL09, WNIF13, WNIF18, GBS104, LDS22, LDS23, LDS24, LDSSCMN07, LDSSCMN08, LDSSCMN10, LDSSCMN11, LDSSCMN12, LDSSCMN16, LDSSCMN17, MMF33, mnGBS304, mnGBS306, mnGBS308, PLMN03, PLMN04, PLMN05, PLMN06, PLMN07, PLMN08, PLMN09, PLMN12, PLMN13, SCMN10, SCMN11.	Low	Priority flora often associated with different localised habitat, and usually in close proximity to a different vegetation type
H2	EIAbMeTw (Stantec 2019)	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> scattered tall shrubs over <i>Melaleuca eleuterostachya</i> over <i>Triodia wiseana</i> hummock grassland	Good to Excellent	53.02 (0.07)	GBS102.	Negligible	n/a

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
H3	EIAeTw (Biota 2019a)	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia exigua</i> open shrubland over <i>Triodia wiseana</i> open hummock grassland.	Very Good to Excellent	411.33 (0.54)	B2S09, B2S12, B2S13, BKM09, BKMR02, GBS122, mnGBS338, mnGBS401, MNRM07, PLMN05, rGBS141.	Moderate	P3 flora cluster
H4	EITbr (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia brizoides</i> open hummock grassland.	Very Good to Excellent	823.87 (1.08)	B2EXHR73, B2EXHR73, B2EXR28, B2EXR28, B2EXR29, B2EXR29, B2EXR52, B2EXR59, B2EXR65, B2EXR65, BMF19, BNV01, BNV01, BNV01, J007, J040, J040, J062, J062, J069, J069, J239-R38, J255-J266, J323, J327, LDS16, LDS17, LDS-REL02, LDS-REL07, MN, PLMN04, PLMN06, PLMN14, PLMN21, PLMN22, PLMN24, PLMN25, PLMN26, PLMN27, BNV02, BNV05, BNV09, BNV02, BNV05, BNV-RPAB.	Moderate	P3 flora cluster
H5	EITe (mosaic EITw) (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Triodia epactia</i> open hummock grassland.	Good to Excellent	216.51 (0.28) 1,572.42 (2.06) (Mosaic with EITw)	BMF22, BMF-RMR, PLMN03, PLMN07, PLMN08, SGS31, SGS32, BNV02, BNV05, BNV09, BNV02, BNV05, BNV-RPAB.	Low	Priority flora often associated with different localised habitat, and usually in close proximity to a different vegetation type
H6	EsTw (Biota 2016a)	<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i> low open mallee over <i>Triodia wiseana</i> open hummock grassland.	Degraded to Excellent	473.61 (0.62)	5, 12, 585, 586, 589, 594, BMF29, BMF-RMAA, BMF-RMO, BRO21, BW02, BW04, BW07, ELW10b, ELW12b, ELW15b, E-S01, H34, H35, J351, J355, J377, J381, J387, J393, J403, J423, MMW-RRC, MN100, MNGBS08, mnGBS134, mnGBS177, mnGBS195, mnGBS225, RB02, RB11, rGBS06, rGBS07.	Moderate	P3 flora cluster
H7	AapAciTeTw (Biota 2016a)	<i>Acacia 'aneura'</i> and <i>A. citrinoviridis</i> tall shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> open hummock grassland.	Good to Excellent	167.16 (0.22)	1, 2, 3, 4, 7, 8, 20, BMF-RMN, BMFRSPE, BNV03, BNV03, BNV-RRPA, BNV-RRPC, GBS24, GBS26, GBS45, H33, J38, J386, J550, J556, J593, J600, J601, J607, J618, J622, MN10, MN12, MN14, MN19b, MNGBS16, RB01, RB09, RB10, S17, S18.	Moderate	EAR (Mulga); P3 flora
H8	AbAexAaTw (Biota 2016a)	<i>Acacia bivenosa</i> , <i>A. exigua</i> and <i>A. ancistrocarpa</i> tall open shrubland over <i>Triodia wiseana</i> hummock grassland.	Degraded to Excellent	418.57 (0.55)	MMF01, MMF04, MMFR01.	Negligible	n/a
H9	AiTbr (Biota 2016a)	<i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia brizoides</i> hummock grassland.	Degraded to Excellent	202.91 (0.27)	BMF01, BMF03, BMF-RMA, BMF-RME.	Negligible	n/a
H10	AiTw (Biota 2019b)	<i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia wiseana</i> hummock grassland.	Degraded to Excellent	589.11 (0.77)	WQR10, WQR15, WQR17, WQR3, WQR-RA.	Low	P3 flora
H11	EIEpTsp (Biota 2019c)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Eucalyptus pilbarensis</i> low open mallee woodland over <i>Triodia longiceps</i> , <i>T. wiseana</i> and <i>T. epactia</i> open hummock grassland.	Very Good to Excellent	168.29 (0.22)	mnGBS385, rGBS149, SGS15, SGS-REL02, SGSSCMN02, SGSSCMN03.	Negligible	n/a
H13	EIAatAciAprAmarTwTe (Stantec 2019)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia atkinsiana</i> , <i>A. citrinoviridis</i> and <i>A. pruinocarpa</i> open shrubland over <i>A. marramamba</i> open shrubland over <i>Triodia wiseana</i> and <i>Triodia epactia</i> hummock grassland.	Very Good to Excellent	631.78 (0.83)	1, 2, 6, 7, 9, ELW08b, GBS28, GBS41, GBS55, GBS64, GBS71, H10, H11, H12, H13, H14, H15, H16, H20, H22, H23, H37, H39, H41, H5, H6, H9, J403, JR415, MN23b, mnGBS137, mnGBS139, mnGBS142, mnGBS144, mnGBS146, mnGBS148, mnGBS219, mnGBS221, mnGBS223, mnGBS229, mnGBS231, mnGBS233, mnGBS243, RB03, rGBS09, rGBS103, rGBS119, rGBS123, rGBS127, S1, S10, S13, S15, S2, S23, S3, S5, S8.	Moderate	P2 flora
H14	EIAatAkAprTbrTeTw (Stantec 2019)	<i>Eucalyptus leucophloia</i> (<i>Corymbia hamersleyana</i>) low open woodland over <i>Acacia atkinsiana</i> , <i>A. kempeana</i> and <i>A. pruinocarpa</i> shrubland over <i>Triodia brizoides</i> , <i>Triodia epactia</i> and <i>Triodia wiseana</i> hummock grassland.	Very Good to Excellent	597.13 (0.78)	GBS04, GBS08, GBS12, GBS29, GBS52, GBS87, GBS89, MMW-RCB, Mn05, MN23, mnGBS125, mnGBS165, mnGBS167, rGBS02, rGBS04.	Low	P3 flora
H15	EITaTI	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia angusta</i> and <i>T. longiceps</i> hummock grassland.	Degraded to Excellent	1,128.80 (1.48)	BMF07, BMF33, BMF34, BMF-RMF, BS02, BS04, BS11, BRL01, BRL04, BRL06, BRL14, BRL16, WQR20, WQR4, WQR5, MMF13.	Moderate	P3 flora cluster
H16	AsiEeTe	<i>Acacia sibirica</i> low open woodland over <i>Eremophila exilifolia</i> scattered shrubs over <i>Triodia epactia</i> hummock grassland.	Good to Excellent	132.02 (0.17)	B13-01	Negligible	n/a

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification			
H17	EIAbTbr (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> open shrubland over <i>Triodia brizoides</i> hummock grassland.	Degraded to Excellent	301.04 (0.40)	GBS04, GBS08, GBS12, GBS29, GBS52, GBS87, GBS89, MMW-RCB, Mn05, MN23, mnGBS125, mnGBS165, mnGBS167, rGBS02, rGBS04.	Moderate	P3 flora cluster			
H18	EIAbTbrTeTHsMBCa	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia bivenosa</i> open shrubland over <i>Triodia brizoides</i> and <i>T. epactia</i> hummock grassland with <i>Themeda</i> sp. Mt. Barricade (M.E. Trudgen 2471) and <i>Cymbopogon ambiguus</i> open tussock grassland.	Very Good to Excellent	0.78 (<0.01)	Vegetation type mapping data only, sample sites not provided.	Low	Limited local representation			
H19	AcAbTw (Biota 2016a)	<i>Acacia citrinoviridis</i> tall open shrubland over <i>Acacia bivenosa</i> open shrubland over <i>Triodia wiseana</i> very open hummock grassland.	Degraded to Very Good	8.41 (0.01)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a			
H20	EIAbTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> tall shrubland over <i>Triodia wiseana</i> hummock grassland.	Degraded to Excellent	283.85 (0.37)	BRL12, WQR7, WQR9.	Low	P3 flora			
H21	EITwTbas (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia wiseana</i> (<i>Triodia basitricha</i>) open hummock grassland.	Very Good to Excellent	300.55 (0.39)	BMF-RCA, BMF-RMK, BNV08, MMF07, MMFR07.	Moderate	P3 flora cluster			
H22	EIAhTw (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia hamersleyensis</i> tall shrubland over <i>Triodia wiseana</i> hummock grassland.	Excellent	17.87 (0.02)	BMF-RCC.	Negligible	n/a			
H23	EIAiTw (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia wiseana</i> hummock grassland.	Good to Excellent	1,281.99 (1.68)	15, 16, 659, 660, BMF-RMT, BS01, BS03, BS06, DHR-RBC, GBS17, GBS18, GBS38, GBS59, GBS66, GBS68, MMF02, MMF14, MMF16, MMF18, MMF27, MMF29, MMFR02, MN02, MN22, mnGBS141, mnGBS145, mnGBS156, mnGBS158, mnGBS162, mnGBS168, mnGBS170, mnGBS171, mnGBS176, mnGBS191, mnGBS218, mnGBS220, MNGBS31, mnGBS330, rGBS210.	Low	P3 flora			
H24	EIAmaiAatAeTw (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia maitlandii</i> , <i>A. atkinsiana</i> and <i>A. exigua</i> open shrubland over <i>Triodia wiseana</i> hummock grassland.	Degraded to Excellent	1,059.95 (1.39)	BMF20, BMF27, BMF28, BMF32, BMF37, BMF-RMW, MMF15, MMF17, MMFR17, mnGBS151, mnGBS153, mnGBS208, mnGBS230.	Low	Priority flora often associated with different localised habitat, and usually in close proximity to a different vegetation type			
H25	EIAmaiAhiTw (Biota 2019c)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , (<i>Corymbia hamersleyana</i>) low open woodland over <i>Acacia maitlandii</i> open shrubland over <i>A. hilliiana</i> low open shrubland over <i>Triodia wiseana</i> hummock grassland.	Excellent	1,212.79 (1.59)	SGW 15, SGW12, SGW13, MM10, MM15, MM8, MM9, mnGBS332, mnGBS377, mnGBS379, mnGBS381, mnGBS383, mnGBS387, PLMN01, SGS07, SGS16, SGS17, SGSSCMN01, SGSSCMN05, SGSSCMN06, SGSSCMN07, SGSSCMN08, SGSSCMN09.	Moderate	P3 flora cluster			
H26	EIAmTw (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low tree over <i>Acacia maitlandii</i> shrubland over <i>Triodia wiseana</i> open hummock grassland.	Degraded to Excellent	8,903.92 (11.69)	B2EXHR219, B2EXHR219, B2EXR10, B2EXR10, B2EXR13, B2EXR13, B2EXR14, B2EXR14, B2EXR16, B2EXR16, B2EXR17, B2EXR17, B2EXR18, B2EXR73, B2EXR76, B2R04, B2R05, BNV07, BNV07, BNV07, BW05, BW06, E-S03, E-S04, E-S05, Flora Quadrat - BKN02, ENIF03, WNIF05, WNIF07, WNIF14, Flora Quadrat:ENIF10, Flora Quadrat:ENIF11, Flora Quadrat:ENIF13, Flora Quadrat:ENIF15, GBS02, GBS100, GBS108, GBS111, GBS110, GBS32, GBS39, GBS53, GBS58, GBS60, GBS95, H30, H31, H32, H40, J120-R20, J131-R19, J131-R19, J139, J139, J175, J175, J196, J371, J379, J411, J420, J424, J434, J441, J562, J596, JR407, LDS07, LDS13, LDS18, LDS19, LDS20, LDS28, LDS-REL05, LDSSCMN15, LDSSCMN18, LDSSCMN19, LDSSCMN23, MN, MN18, MNGBS09, mnGBS103, mnGBS110, mnGBS113, mnGBS114, mnGBS115, mnGBS116, mnGBS119, mnGBS120, mnGBS121, mnGBS122, mnGBS126, mnGBS128, mnGBS140, mnGBS150, mnGBS185, mnGBS199, mnGBS217, mnGBS239, mnGBS241, mnGBS245, mnGBS247, mnGBS249, mnGBS255, mnGBS302, mnGBS310, mnGBS314, mnGBS316.	Degraded to Excellent	8,903.92 (11.69)	B2EXHR219, B2EXHR219, B2EXR10, B2EXR10, B2EXR13, B2EXR13, B2EXR14, B2EXR14, B2EXR16, B2EXR16, B2EXR17, B2EXR17, B2EXR18, B2EXR73, B2EXR76, B2R04, B2R05, BNV07, BNV07, BNV07, BW05, BW06, E-S03, E-S04, E-S05, Flora Quadrat - BKN02, ENIF03, WNIF05, WNIF07, WNIF14, Flora Quadrat:ENIF10, Flora Quadrat:ENIF11, Flora Quadrat:ENIF13, Flora Quadrat:ENIF15, GBS02, GBS100, GBS108, GBS111, GBS110, GBS32, GBS39, GBS53, GBS58, GBS60, GBS95, H30, H31, H32, H40, J120-R20, J131-R19, J131-R19, J139, J139, J175, J175, J196, J371, J379, J411, J420, J424, J434, J441, J562, J596, JR407, LDS07, LDS13, LDS18, LDS19, LDS20, LDS28, LDS-REL05, LDSSCMN15, LDSSCMN18, LDSSCMN19, LDSSCMN23, MN, MN18, MNGBS09, mnGBS103, mnGBS110, mnGBS113, mnGBS114, mnGBS115, mnGBS116, mnGBS119, mnGBS120, mnGBS121, mnGBS122, mnGBS126, mnGBS128, mnGBS140, mnGBS150, mnGBS185, mnGBS199, mnGBS217, mnGBS239, mnGBS241, mnGBS245, mnGBS247, mnGBS249, mnGBS255, mnGBS302, mnGBS310, mnGBS314, mnGBS316.	Moderate	P3 and P4 flora: P1 and P2 flora usually in close proximity to a different vegetation type

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
					mnGBS326, mnGBS353, mnGBS355, mnGBS357, mnGBS359, mnGBS367, mnGBS403, mnGBS89, MNJT1, PLMN07, PLMN08, PLMN08a, PLMN09, PLMN10, PLMN11, PLMN12, PLMN13, PLMN14, PLMN15, PLMN17, PLMN18, PLMN19, PLMN20, PLMN28, PLMN29, PLMN31, PLMN32, RB04, RB06, RB07, RB08, rGBS202, S19, S20, S21, SCMNI3, SGS10, SGS11.		
H27	EIAmTwTe (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia maitlandii</i> open shrubland over <i>Triodia wiseana</i> and/or <i>T. epactia</i> open hummock grassland.	Excellent	16.95 (0.02)	B2EXR39, B2EXR45, J252.	Negligible	n/a
H28	EIAprAciTe (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia pruinocarpa</i> , <i>A. citrinoviridis</i> tall open shrubland over <i>Triodia epactia</i> open hummock grassland.	Excellent	6.32 (0.01)	BMF17.	Moderate	P3 flora cluster
H29	EIAprTwTe	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia pruinocarpa</i> (<i>A. atkinsiana</i>) tall open shrubland over <i>Triodia wiseana</i> and <i>Triodia epactia</i> hummock grassland.	Poor to Excellent	367.06 (0.48)	BRL03, GBS13, GBS27, MMF20, MMF25, MMW-RCC, MMW-RCD, MMW-RCE.	Low	Priority flora often associated with different localised habitat, and usually in close proximity to a different vegetation type
H30	Tss (Biota 2019c)	<i>Triodia</i> sp. Silvergrass (P.-L. de Kock BES 00808) (P1) hummock grassland.	Excellent	19.43 (0.03)	rGBS147, SGS-REL01, SGSSCMN04	Regionally Significant	High density of P1 flora
H31	EIChAprAmaiERmTHsMBPm (Stantec 2019)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and/or <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia pruinocarpa</i> high open shrubland over <i>Acacia maitlandii</i> low open shrubland over <i>Triodia wiseana</i> very open hummock grassland and <i>Eriachne mucronata</i> , <i>Themeda</i> ?sp. Mt Barricade (M.E. Trudgen 2471) and <i>Paraneurachne muelleri</i> very open tussock grassland to open tussock grassland.	Good to Excellent	891.32 (1.17)	GBS85, mnGBS157, mnGBS159, mnGBS161, mnGBS169, rGBS101, rGBS111, rGBS113.	Moderate	P2 flora
H32	EIEgAbTwTbr (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>E. gamophylla</i> low open mallee woodland over <i>Acacia bivenosa</i> scattered shrubs over <i>Triodia wiseana</i> and <i>T. brizoides</i> open hummock grassland.	Excellent	3.00 (<0.01)	LDS30, PLMN23.	Negligible	n/a
H33	EIEgAmaiTw (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>E. gamophylla</i> low open mallee woodland over <i>Acacia bivenosa</i> scattered shrubs over <i>Triodia wiseana</i> and <i>T. brizoides</i> open hummock grassland.	Excellent	303.11 (0.40)	B2R01, B2R02, B2R03, B2S11, B2S14, B2S15, BMF16, BMF25, BN02, BNR01, BNR13, Br2-08, Br2-09, Br2-11, ELW17b, BKM08 (25m buffer), GBS103, GBS43, mnGBS339, mnGBS359, mnGBS365, PLMN09, PLMN10, PLMN12, S9.	Low	Priority flora often associated with different localised habitat, and usually in close proximity to a different vegetation type
H34	Tw (Stantec 2019)	<i>Triodia wiseana</i> hummock grassland.	Good to Excellent	925.25 (1.21)	GBS19, GBS21, GBS23, GBS34, GBS40, GBS49, MMF21, MMF31, MN13, MN29, mnGBS118, mnGBS155, mnGBS363, mnGBS365, rGBS137, rGBS151.	Low	P3 flora
H35	MOSAIC: EITbr/EITe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia brizoides</i> open hummock grassland / <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Triodia epactia</i> open hummock grassland.	Good to Excellent	277.34 (0.36)	BNV02, BNV05, BNV09, BNVR02, BNVR05, BNV-RPAB.	High	P1 flora
H36	MOSAIC: EITe/EITw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Triodia epactia</i> open hummock grassland / <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia wiseana</i> open hummock grassland.	Degraded to Excellent	1,572.42 (2.06)	B2S01, B2S08, B2S10, BN03, BN05, BN09, BN11, BN13, BN15, BNR02, BNR03, BNR04, BNR05, BNR06, BNR07, BNR08, BNR10, BNR12, BNR14, BNR15, BNR16, BNR17, BNR18, BNR19, BNR20, BNR21, BNR23, Br2-07, Br2-12, Br2-15, Br2-16, MMF28, MMW-RCG, PLMN02, PLMN03, PLMN07, PLMN08, SGS31, SGS32.	High	P1 flora

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
H37	EITTw (Stantec 2019)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> (<i>Triodia epactia</i>) hummock grassland.	Excellent	128.03 (0.17)	GBS67, GBS69, GBS93, mnGBs207, mnGBS215.	Negligible	n/a
H38	EITw(Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia wiseana</i> open hummock grassland.	Degraded to Excellent	1,583.75 (2.08)	BMF23, BMFRSPA, BNV06, BNV11, GBS107, GBS109, MMF05, MMFR05, mnGBS173, mnGBS175, mnGBS253, mnGBS336, MnGBS371, mnGBS373, PLMN11, rGBS104, rGBS129, rGBS139, SGS18, B2S01, B2S08, B2S10, BN03, BN05, BN09, BN11, BN13, BN15, BNr02, BNr03, BNr04, BNr05, BNr06, BNr07, BNr08, BNr10, BNr12, BNr14, BNr15, BNr16, BNr17, BNr18, BNr19, BNr20, BNr21, BNr23, Br2-07, Br2-12, Br2-15, Br2-16, MMF28, MMW-RCG, PLMN02, PLMN03, PLMN07, PLMN08, SGS31, SGS32.	Low	Priority flora often associated with different localised habitat, and usually in close proximity to a different vegetation type
Plains and valleys							
P1	EIChAtuPITe (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Petalostylis labicheoides</i> tall open scrub over <i>Triodia epactia</i> open hummock grassland.	Poor to Excellent	17.52 (0.02)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a
P2	EIMeTaTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Melaleuca eleuterostachya</i> open shrubland over <i>Triodia angusta</i> and <i>T. wiseana</i> open hummock grassland.	Good to Excellent	138.22 (0.18)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a
P3	AaAbTITe	<i>Acacia ancistrocarpa</i> and <i>A. bivenosa</i> shrubland to open heath over <i>Triodia longiceps</i> hummock grassland.	Poor to Excellent	5.70 (0.01)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a
P4	EIAaAkApTbTeTw	<i>Eucalyptus leucophloia</i> (<i>Corymbia hamersleyana</i>) low open woodland over <i>Acacia atkinsiana</i> , <i>A. kempeana</i> and <i>A. pruinocarpa</i> shrubland over <i>Triodia brizoides</i> , <i>Triodia epactia</i> and <i>Triodia wiseana</i> hummock grassland.	Good	4.40 (0.01)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a
P5	EIAatTeTw/EIAbAatTePm	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia atkinsiana</i> scattered shrubs over <i>Triodia epactia</i> open hummock grassland / <i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> and <i>A. atkinsiana</i> high shrubland over <i>Triodia epactia</i> open hummock grassland and <i>Paraneurachne muelleri</i> very open tussock grassland.	Degraded to Excellent	677.29 (0.89)	665, GBS09, GBS16, MMW-RCA, MMW-RCH, MMW-RCI, MMW-RCJ, MMW-RRA, MN19, MNGBS06, mnGBS102, mnGBS112, mnGBS131, mnGBS165, mnGBS232, mnGBS234, mnGBS236, MNGBS24, MNGBS26, MNGBS28, rGBS01, rGBS115.	Moderate	P3 flora cluster
P6	EIAbAeTaTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> scattered tall shrubs over <i>A. exigua</i> open shrubland over <i>Triodia angusta</i> and <i>T. wiseana</i> open hummock grassland.	Good to Excellent	75.75 (0.10)	MMF24, MMF26.	Low	P3 flora
P7	AxAanTspp (Biota 2016a)	<i>Acacia xiphophylla</i> (<i>A. 'aneura'</i>) tall shrubland over <i>Triodia</i> spp. very open hummock grassland.	Poor to Excellent	561.61 (0.74)	BMF31, BMF-RMG, BMF-RMP, BMF-RMQ, BW01, ELW14c, WQR14, WQR8, GBS120, GBS46, GBS56, GBS73, MMF19, MMFR10, MMSN20, mnGBS133, mnGBS136, mnGBS138, mnGBS149, mnGBS197, mnGBS209, mnGBS93, rGBS102.	Moderate	EAR (Mulga/Snakewood)
P8	AxERmaSENSpp (Biota 2019c)	<i>Acacia xiphophylla</i> scattered shrubs to open shrubland over <i>Eremophila maculata</i> subsp. <i>brevifolia</i> and <i>Senna</i> spp. low shrubland over Mixed bunch grasses and herbs.	Poor to Excellent	188.30 (0.25)	mnGSS321, SGr08, SGS26, SGS28, SGS29.	Moderate	EAR (Snakewood)
P9	AxSifSENSppTI (Biota 2016a)	<i>Acacia xiphophylla</i> tall shrubland over <i>Sida fibulifera</i> (<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x subsp. <i>helmsii</i> , <i>Senna</i> sp. Karijini (M.E. Trudgen 1392)) low shrubland over <i>Triodia longiceps</i> scattered hummock grasses.	Good to Excellent	3.43 (<0.01)	BMF-RMC.	Moderate	EAR (Snakewood)
P10	CdExAanAatAbTeTHt (Stantec 2019)	<i>Corymbia deserticola</i> subsp. <i>deserticola</i> and <i>Eucalyptus xerothermica</i> scattered mallees over <i>Acacia 'aneura'</i> , <i>A. atkinsiana</i> and <i>A. bivenosa</i> high shrubland over <i>Triodia epactia</i> open hummock grassland and <i>Themeda triandra</i> very open tussock grassland.	Poor to Excellent	1,931.66 (2.54)	3, 4, 5, 8, 10, 11, 12, 13, 14, B14-01, B14-01, B14-01, B14-01, B14-01, B14-02, B14-02, B14-02, B14-02, B14-02, B14-03, B14-03, B14-03, B14-03, DHR-RSA, DHR-RSB, DHR-RSD, Flora Quadrat - BRL10, GBS30, GBS42, GBS44, GBS47, GBS51, GBS61, GBS63, GBS70, GBS97, GBS99, H17, H21, H38, MN22b, mnGBS160, mnGBS172, mnGBS174, mnGBS182, mnGBS196, MNGBS20, mnGBS227,	Moderate	P2 flora; EAR (Mulga/Snakewood)

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
					mnGBS251, mnGBS257, mnGBS259, mnGBS263, mnGBS265, mnGBS267, mnGBS269, mnGBS369, rGBS133, S11, S12, S16, S22, S24, S7.		
P11	ChElAbAsynAancTw	<i>Corymbia hamersleyana</i> and <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> open woodland over <i>Acacia bivenosa</i> , <i>A. synchronicia</i> and <i>A. ancistrocarpa</i> scattered tall shrubs to high open shrubland over <i>Triodia wiseana</i> open hummock grassland.	Very Good to Excellent	167.45 (0.22)	DHR-RSJ.	Low	P3 flora
P12	EgAatAbAeTeTw	<i>Eucalyptus gamophylla</i> scattered mallees over <i>Acacia atkinsiana</i> , <i>A. bivenosa</i> and <i>A. exigua</i> tall open shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> hummock grassland.	Very Good to Excellent	33.06 (0.04)	Vegetation type mapping data only, sample sites not provided.	Low	P3 flora
P13	ElAeTI	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia exigua</i> shrubland over <i>Triodia longiceps</i> tall hummock grassland.	Very Good to Excellent	159.59 (0.21)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a
P14	ElAtAbAsyAtenTbas	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia tetragonophylla</i> , <i>A. bivenosa</i> , <i>A. synchronicia</i> and <i>A. tenuissima</i> open shrubland over <i>Triodia basedowii</i> hummock grassland with mixed herbs.	Good to Excellent	440.53 (0.58)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a
P15	ElAxAsiAtMeTa	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia xiphophylla</i> , <i>A. sibirica</i> , <i>A. tetragonophylla</i> and <i>Melaleuca eleuterostachya</i> scattered shrubs over <i>Triodia angusta</i> hummock grassland.	Good to Excellent	178.65 (0.23)	Vegetation type mapping data only, sample sites not provided.	Moderate	EAR (Snakewood)
P16	ElCdEgAatAeTwTe (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia deserticola</i> subsp. <i>deserticola</i> scattered low trees over <i>Eucalyptus gamophylla</i> scattered low mallees over <i>Acacia atkinsiana</i> and <i>A. exigua</i> tall open shrubland over <i>Triodia wiseana</i> and/or <i>T. epactia</i> hummock grassland.	Degraded to Excellent	2,604.82 (3.42)	B2S02, B2S03, B2S05, B2S06, B2S07, B2S-REL06, Br2-04, Br2-05, Br2-06, Br2-17, DHR-RBA, BKM13, BKM14, WNIF04, WNIF06, WNIF15, WNIF17, MNRM05, PLMN01.	Moderate	P3 flora cluster
P17	ElEgAatAeAbTeTw (Biota 2019c)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> (<i>Corymbia deserticola</i> subsp. <i>deserticola</i> and <i>C. hamersleyana</i>) scattered low trees and/or <i>E. gamophylla</i> scattered low mallees over <i>Acacia atkinsiana</i> , <i>A. exigua</i> and <i>A. bivenosa</i> shrubland over <i>Triodia epactia</i> and/or <i>T. wiseana</i> hummock grassland.	Degraded to Excellent	11,958.18 (15.69)	11, 12, 13, 14, 17, 19, 40, B13-02, B13-02, B13-02, B13-02, B13-02, B13-03, B13-03, B13-03, B13-03, B13-03, B13-04, B13-04, B13-04, B13-04, B13-04, BKC01, BKC-RSVA, Flora Quadrat - SGW03, Flora Quadrat - SGW08, Flora Quadrat - SGW10, Flora Quadrat - SGW11, MM11, MM13, MM2, MM3, MM4, mnGBS297, mnGBS301, mnGBS337, mnGBS375, MNRM03, PLMN04, PLMN05, PLMN06, PLMN09, PLMN10, SGr02, SGr05, SGS02, SGS03, SGS06, SGS08, SGS09, SGS14, SGS19, SGS27, SGS30, SGS-REL07, SGS-REL13.	Low	P3 flora, however associated with different localised habitat / in close proximity to a different vegetation type
P18	ElAsyAbSEnspTbr (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia synchronicia</i> , <i>A. bivenosa</i> and <i>Senna</i> spp. scattered shrubs over <i>Triodia brizoides</i> open hummock grassland.	Good to Excellent	186.83 (0.25)	BROR42, BS07, BS08, BS14, MMF03, MMF06, MMF11, MMFR03, MMFR06.	Negligible	n/a
P19	ElEsAbTw (Biota 2019b)	<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i> low open mallee woodland to low mallee woodland over <i>Acacia bivenosa</i> scattered shrubs over <i>Triodia wiseana</i> open hummock grassland.	Poor to Excellent	1,024.53 (1.34)	WNIF08, WNIF09, WNIF11, WNIF12, mnGBS212, MnGBS214, mnGBS216.	Moderate	P3 flora cluster
P20	ElEsMeAeTITw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>E. socialis</i> subsp. <i>eucentrica</i> very open mallee over <i>Melaleuca eleuterostachya</i> and <i>Acacia exigua</i> shrubland over <i>Triodia longiceps</i> and <i>T. wiseana</i> hummock grassland.	Poor to Excellent	670.27 (0.88)	MMF22, NMM04, NMM07.	Low	P3 flora
P21	ExEsAbAsyTw	<i>Eucalyptus xerothermica</i> and <i>E. socialis</i> subsp. <i>eucentrica</i> low open mallee woodland over <i>Acacia bivenosa</i> and <i>A. synchronicia</i> tall open shrubland over <i>Triodia wiseana</i> low hummock grassland.	Good to Excellent	35.85 (0.05)	Vegetation type mapping data only, sample sites not provided.	Negligible	n/a

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
P22	VfSfSEnspChf (Biota 2019c)	* <i>Vachellia farnesiana</i> scattered tall shrubs over <i>Sida fibulifera</i> , <i>Senna</i> spp. low open shrubland with <i>Chrysopogon fallax</i> scattered tussock grasses.	Poor to Very Good	8.98 (0.01)	PLMN26, SGr10, SGS37, SGS38, SGS-REL05.	Moderate	Occasional P1 flora
P23	EIAeAsiTw (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia exigua</i> and <i>A. sibirica</i> scattered tall shrubs to tall open shrubland over <i>Triodia wiseana</i> hummock grassland.	Very Good to Excellent	102.92 (0.14)	B2S-REL02, BN01, BKM06, BKN01, BKN03, BKN04, BKN05.	Low	P3 flora
P24	CdEgAeAafTeTe (Biota 2019a)	<i>Corymbia deserticola</i> subsp. <i>deserticola</i> scattered low trees to low open woodland over <i>Eucalyptus gamophylla</i> low open mallee woodland over <i>Acacia exigua</i> and <i>A. atkinsiana</i> (<i>A. kempeana</i>) tall open shrubland over <i>Triodia wiseana</i> and <i>T. epactia</i> open hummock grassland.	Good to Excellent	2,985.45 (3.92)	B2EXBR02, B2EXHR247, B2EXR30, B2EXR30, B2EXR42, BMF21, BMF36, BMFRSPC, ENIF08, ENIF14, ENIF05, J022 R34, J022 R34, J116-R21, J234, J297, J300, J306, J313, J328, LDS01, LDS05, LDS06, LDS09, LDS17, LDS25, LDS27, LDS29, LDS-REL08, LDSSCMN01, LDSSCMN02, LDSSCMN03, LDSSCMN04, LDSSCMN06, MN, mnGBS351, mnGBS367, mnGBS369, PLMN02, PLMN03, PLMN16, RMMN03.	Low	Low density Priority flora
P25	EIAbCAPuTspp (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia bivenosa</i> scattered tall shrubs over <i>Capparis umbonata</i> scattered shrubs over <i>Triodia epactia</i> open hummock grassland.	Excellent	15.48 (0.02)	LDS34, LDS35, PLMN10, PLMN11.	Negligible	n/a
P26	EIGsGOOsTw (Biota 2019a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Grevillea saxicola</i> scattered tall shrubs over <i>Triodia wiseana</i> very open hummock grassland and <i>Goodenia stobbsiana</i> very open herbland.	Excellent	1.91 (<0.01)	LDS38, PLMN02.	Low	Limited local representation; P3 flora
P27	ARICHERAxASe (Biota 2019c)	<i>Aristida latifolia</i> and <i>Chrysopogon fallax</i> (<i>Eragrostis xerophila</i> and <i>Astrebla elymoides</i>) tussock grassland.	Good to Excellent	264.81 (0.35)	SGW01, MM19, mnGBS317, mnGBS327, mnGBS333, mnGSS319, SGW01, TEC31.	High	Similar to Priority 1 PEC; P3 flora cluster
P28	MOSAIC: CHfTHsASspp./ARIASeChf (Biota 2019c)	<i>Chrysopogon fallax</i> and <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) (<i>Astrebla</i> spp.) open tussock grassland / <i>Aristida latifolia</i> (<i>Astrebla elymoides</i> and <i>Chrysopogon fallax</i>) tussock grassland.	Good to Excellent	14.52 (0.02)	SG11, SGSSCMN10, MM20, MM21, MM7, SGr11, SGr13, SGr17, SGr18, SGr19, SGS22, SGS35, TEC52, TEC52, TEC52.	Regionally significant	TEC (Vu)
P29	MOSAIC: CHfTHsASspp./ASIASp/ARIASeChf	<i>Chrysopogon fallax</i> and <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) (<i>Astrebla</i> spp.) open tussock grassland / <i>Astrebla lappacea</i> and <i>A. pectinata</i> tussock grassland / <i>Aristida latifolia</i> (<i>Astrebla elymoides</i> and <i>Chrysopogon fallax</i>) tussock grassland.	Good	124.79 (0.16)	MM20, MM21, MM7, SGr11, SGr13, SGr17, SGr18, SGr19, SGS22, SGS35, TEC52, TEC52, TEC52.	Regionally significant	TEC(Vu); PEC; P1 flora
P30	ERb (Biota 2019c)	<i>Eriachne benthamii</i> tussock grassland.	Poor to Very Good	34.65 (0.05)	mnGBS315, mnGBS325, PLMN34, SG09, SGr15, SGS-REL05.	Low	Low density Priority flora
P31	ASe (Biota 2019c)	<i>Astrebla elymoides</i> tussock grassland.	Very Good	20.23 (0.03)	SGW05, SGW05, SGW05, SG17, SGS34, TEC53.	High	Similar to Priority 1 PEC; P3 flora cluster
P32	MOSAIC: ASe/ASIASp	<i>Astrebla elymoides</i> tussock grassland / <i>Astrebla lappacea</i> and <i>A. pectinata</i> tussock grassland	Very Good	40.45 (0.05)	MM18, SG13, SG15, SGr16, SGr25, SGS22.	Regionally significant	Priority 1 PEC; P1 flora
P33	ASIASp (Biota 2019c)	<i>Astrebla lappacea</i> and <i>A. pectinata</i> tussock grassland	Poor to Very Good	94.96 (0.12)	MM17, mnGBS321, mnGBS343, SG07, SGr09, SGS26, SGS-REL14, MM18, SG13, SG15, SGr16, SGr25, SGS22.	Regionally significant	Priority 1 PEC
P34	AvVfTHsChf (Biota 2019c)	<i>Acacia victoriae</i> and * <i>Vachellia farnesiana</i> tall open shrubland over <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) and <i>Chrysopogon fallax</i> open tussock grassland.	Good	7.67 (0.01)	MM20, MM21, MM7, SGr11, SGr13, SGr17, SGr18, SGr19, SGS22, SGS35, TEC52, TEC52, TEC52.	High	Comparable to TEC; Limited local representation; P2 flora, P3 flora
P35	Herb (Biota 2019c)	Mixed herbland.	Poor to Excellent	46.88 (0.06)	mnGBS331, SGS-REL12, SGS-REL14.	Low	P3 flora
P36	THs (Biota 2019c)	<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) tussock grassland.	Very Good	146.19 (0.19)	PLMN01, PLMN02, PLMN03, PLMN04, PLMN05, PLMN06, PLMN07, PLMN08, PLMN10, PLMN13, PLMN14, PLMN28, PLMN29, PLMN30, PLMN31, PLMN32, PLMN33, PLMN35, PLMN35a, SGS01, SGS05, SGS24.	Regionally significant	TEC (Vu)
P37	EiExAiTw (Biota 2019b)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Eucalyptus xerothermica</i> scattered low mallees to low open mallee woodland over <i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia wiseana</i> open hummock grassland.	Good to Excellent	81.79 (0.11)	GBS116, mnGBS328.	Low	P3 flora

Vegetation code	Species code	Vegetation description	Condition	Area (ha; proportion (%))	Sampling sites	Vegetation significance	Significance justification
Gorges, gullies and free faces							
G1	CfAanAciPROaPToCYaTHtARb (Biota 2019a)	<i>Corymbia ferritcola</i> , <i>Acacia 'aneura'</i> woodland over <i>A. citrinoviridis</i> tall shrubland over <i>Eremophila latrobei</i> subsp. <i>latrobei</i> , <i>Santalum lanceolatum</i> , <i>Dodonaea pachyneura</i> , (<i>Gossypium robinsonii</i>) tall open shrubland over <i>Prostanthera albiflora</i> , <i>Ptilotus obovatus</i> subsp. <i>obovatus</i> , (<i>Corchorus crozophorifolius</i>) low shrubland over <i>Cymbopogon ambiguus</i> (<i>Themeda triandra</i> and <i>Aristida burbridgeae</i>) open tussock grassland.	Excellent	0.80 (<0.01)	LDS-REL08, RMMN04.	Moderate	EAR; Limited local representation
G2	ChAsppTHtTeTw (Biota 2019c)	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia</i> spp. tall shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> and <i>T. wiseana</i> open hummock grassland.	Good to Excellent	66.24 (0.09)	B2S-REL01, B2S-REL03, B2S-REL04, Br2-01, Br2-03, mnGBS389, mnGBS391, MNRM10, rGBS153, SGS-REL03.	Low	P3 flora
G3	EICfAprAanDpERImTe (Biota 2019c)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Corymbia ferritcola</i> , <i>Acacia pruinocarpa</i> and <i>A. 'aneura'</i> low open woodland over <i>Dodonaea pachyneura</i> scattered tall shrubs over <i>Triodia epactia</i> very open hummock grassland with <i>Eriachne mucronata</i> open tussock grassland.	Good to Excellent	994.26 (1.30)	BMF-RMJ, BMFRSPB, BN07, BNr09, BNr11, BNV-RJ01, BNV-RPAA, BNV-RRPB, Br2-14, BKN06, BKMR01, GBS06, GBS37, GBS54, H1, H2, H3, H4, J487, J502, J572, mbGBS363, MN, MN30, MNGBS07, mnGBS117, mnGBS139, mnGBS143, mnGBS154, mnGBS176, MNGBS17b, mnGBS345, mnGBS347, mnGBS349, mnGBS361, MNRM04, PLMN03, PLMN05, PLMN16, RB05, rGBS10, rGBS204, S4, SCMNI2.	High	P1 flora; EAR
G4	EICfAciAanGbDpTe (Biota 2016a)	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Corymbia ferritcola</i> , <i>Acacia citrinoviridis</i> , <i>A. 'aneura'</i> , (<i>Grevillea berryana</i>) low woodland over <i>Dodonaea pachyneura</i> tall over <i>Triodia epactia</i> very open hummock grassland.	Very Good to Excellent	38.56 (0.05)	BMF-RMM, BMF-RMX, BMFRSPD.	Moderate	EAR; P2 flora
Disturbance							
Disturbed	Disturbed	Completed Degraded	Disturbed	11,055.58 (14.51)	n/a	n/a	n/a

4.2 Significance of Vegetation

4.2.1 Regional Significance – TECs, PECs and Priority Flora

Two vegetation types recorded within the Consolidation Area, THs and CHfTHsASpp (mapped as two mosaics), represent the State listed terrestrial TEC (Vu); “*Themeda* grasslands on cracking clays (Hamersley Station, Pilbara)”. Combined, these vegetation types occupy 285.5 ha (0.38%) of the Consolidation Area. (Table 9). One additional vegetation type, AvVfTHsCHf, is considered to be of comparable significance as this unit is also dominated by *Themeda* sp. Hamersley Station (M.E. Trudgen 11431) P3. However, it also had a middle shrub stratum of *Acacia victoriae* subsp. *victoriae* and **Vachellia famesiana* and is therefore considered a less definitive form of the TEC and was rated High local significance.

One vegetation type recorded within the Consolidation Area, ASIAsp, represents the State listed Priority 1 PEC, “Brockman Iron cracking clay communities of the Hamersley Range” (Table 9). A further three vegetation types, ARICHfERAxASe, ARIAsEChf and ASe, are considered broadly similar as they were variously dominated by *Astrelba* spp. (mainly *A. elymoides* and *A. pectinata*), together with *Aristida latifolia*, *Chrysopogon fallax* and *Eragrostis xerophila*. Combined, these vegetation types and the mosaics they inform occupy 725 ha (0.95%) of the Consolidation Area.

One vegetation type recorded within the Consolidation Area is considered to be ‘Regionally Significant’ due to the dominance of Priority 1 flora species (Table 9). The vegetation type Tss is dominated by *Triodia* sp. Silvergrass (P.-L. de Kock BES 00808) (P1). There are 17 vouchered records of *T. sp.* Silvergrass (P.-L. de Kock BES 00808) (P1) at the WA Herbarium, originating from a relatively small range and all within the Hamersley subregion (WAH 2021). The Tss vegetation type represents a somewhat unique area where this species occurs in abundance.

Table 9: Vegetation types of regional significance within the Consolidation Area.

Significance	Corresponding vegetation type from Consolidation Area		Extent in Consolidation Area (ha) (%)
TECs			
<i>Themeda</i> grasslands on cracking clays (Hamersley Station, Pilbara) (Vu)	THs		146.19 (0.19)
	CHfTHsASpp Mapped as two mosaic vegetation types	CHfTHsASpp./ARIAsEChf	14.52 (0.02)
		CHfTHsASpp./ASIAsp/ARIAsEChf	124.79 (0.17)
Additional vegetation type considered a similar, but lower quality representation of the TEC			
Other vegetation types dominated by <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) P3	AvVfTHsCHf		7.67 (0.01)
PECs			
Brockman Iron cracking clay communities of the Hamersley Range	ASIAsp Also Mapped as two mosaic vegetation types	ASIAsp	94.96 (0.13)
		ASe/ASIAsp	40.45 (0.05)
		CHfTHsASpp./ASIAsp/ARIAsEChf	124.79 (0.16)
Additional vegetation types considered to be exhibiting similarity to the PEC			
Other units dominated by <i>Astrelba</i> spp. (mainly <i>A. elymoides</i> and <i>A. pectinata</i>)	ARICHfERAxASe		264.81 (0.35)
	ARIAsEChf Mapped as part of two mosaic vegetation types	CHfTHsASpp./ARIAsEChf ^	14.52 (0.02)
		CHfTHsASpp./ASIAsp/ARIAsEChf ^	124.79 (0.16)
	ASe Also mapped as part of one mosaic	ASe	20.23 (0.03)
ASe/ASIAsp		40.45 (0.05)	

Significance	Corresponding vegetation type from Consolidation Area	Extent in Consolidation Area (ha) (%)
Vegetation type dominated by Priority 1 species		
Vegetation type dominated by <i>Triodia</i> sp. Silvergrass (P.-L. de Kock BES 00808) (Priority 1)	Tss	19.43 (0.03)

^a Identified as representing the TEC *Themeda* grasslands on cracking clays (Hamersley Station, Pilbara) (Vu).

4.2.2 Local Significance

Of the 118 vegetation types within the Consolidation Area, seven were rated as being 'Regionally Significant'; these comprise less than 2% of the Consolidation Area (**Table 10; Appendix G**). These vegetation types were analogous to listed TECs and PECs, and supported substantial populations of P1 flora as discussed in **Section 4.2.1**. Ten¹ vegetation types were considered to have a 'High' local significance; representing 4.4% of the Consolidation Area. The majority of the vegetation types classified as 'Moderate' represent Mulga/Snakewood communities, riparian vegetation, or vegetation with limited local representation. A summary of the local significance classification of vegetation types is presented in **Table 10**.

The vegetation classified as 'High' local significance typically supported Priority 1 species or represented Potential GDV and Moderate drainage systems. Significant P1 flora included *Euphorbia inappendiculata* var. *queenslandica*, *Hibiscus* sp. Mount Brockman (E. Thoma ET1354), *Tetralthea butcheriana*, *Vittadinia* sp. Coondewanna Flats (S. van Leeuwen 4684), and *Triodia* sp. Silvergrass (P.-L. de Kock BES 00808).

Two vegetation types are considered to be of local significance given they support large populations of Priority 3 flora. The middle stratum of the AanGsTbrTlo and ElGsGOOsTw vegetation types are dominated by *G. saxicola* (P3). These vegetation types comprise 1.21 ha and 1.91 ha (both less than 0.01% of the Consolidation Area) respectively. All other vegetation types are defined by species not listed as significant under the *Biodiversity Conservation Act 2016*. *Grevillea saxicola* (P3) is known to occur only in the southern Pilbara (37 vouchered records) (WAH 2021), and therefore habitats that support substantial populations of the species are considered significant.

Four vegetation types were assessed as representing potential GDV due to the presence or dominance of *Eucalyptus camaldulensis* subsp. *refulgens*, a phreatophytic tree species (**Table 11**). These vegetation types include EcGOrSsANITeTHTe, EcMgCYPv, EvEcChAcEUa and EcExAciAanTe which represent assemblages of key riparian species, and are therefore considered to be of significance within the Consolidation Area.

Table 10: Vegetation types of local significance within the Consolidation Area.

Local Significance	Number of vegetation types	Extent within Consolidation Area (ha) (%)
Regionally Significant	7	1,372.28 (1.80)
High	10 ^a	3,322.35 (4.36)
Moderate	39 ^a	30,184.19 (39.61)
Low	42	27,440.50 (36.01)
Negligible	21	2,823.66 (3.71)
Disturbed	1	11,055.60 (14.51)

^a Includes a count of both significant classifications of C3.

Table 11: Vegetation dominated by *Eucalyptus camaldulensis* subsp. *refulgens*.

Vegetation types	Extent within Consolidation Area (ha) (%)
EcGOrSsANITeTHTe	52.69 (0.07)
EcMgCYPv	34.98 (0.05)
EvEcChAcEUa	123.93 (0.16)
EcExAciAanTe	581.49 (0.77)

¹ Only the portion of the C3 vegetation type that was mapped in association with Duck Creek was considered 'High' significance

4.3 Vegetation Condition Mapping

Vegetation condition within the Consolidation Area ranged from 'Excellent' to 'Completely Degraded', with the majority (44,832.7 ha; 58.8%) of vegetation being in 'Excellent' condition (**Table 12; Appendix G**). The Rio Tinto disturbance layer includes areas previously cleared for tracks, roads, railways, infrastructure and mine sites and has been mapped as 'completely degraded' condition. This accounts for approximately 11,055.6 ha (14.5%) of the Consolidation Area.

Table 12: Vegetation condition of the Consolidation Area.

Vegetation condition	Proportion of Consolidation Area (ha) (%)
Excellent	44,832.7 (58.8)
Very Good	15,783.9 (20.7)
Good	3,932.5 (5.2)
Poor	310.9 (0.4)
Degraded	282.9 (0.4)
Completely Degraded (includes Rio Tinto disturbance layer)	11,055.6 (14.5)
Total	76,198.6

4.4 Confidence in Mapping

The confidence of vegetation type mapping and vegetation condition mapping ranged from 'low' to 'high' (**Table 13, Appendix I**). There was a 'high' confidence associated with the majority (33,950.5 ha; 44.6%) of the mapping conducted within the Consolidation Area. This included areas where recent and Detailed-level surveys had been conducted or where vegetation type and condition mapping was able to be verified during the field survey. Although approximately 41% (31,192.8 ha) of the Consolidation Area was mapped in low confidence, due to either no existing vegetation type mapping or previous vegetation type mapping being very old (>10 years), vegetation mapping in these areas was using high quality aerial imagery and by a highly experienced senior botanist.

Table 13: Confidence of vegetation mapping within the Consolidation Area.

Confidence rating	Proportion of Survey Consolidation Area (ha) (%)
High	33,950.5 (44.6)
Medium	-
Low	31,192.8 (40.9)
Disturbed	11,055.3 (14.5)
Total	76,198.6

5. Summary

The Consolidation Area for this exercise comprises an area of 76,198.6 ha. The delineation of vegetation types was informed via a desktop assessment and field surveys. The desktop assessment involved a review of available reports and spatial data from surveys that had been completed within or overlapping the Consolidation Area. Information from 58 reports and surveys was considered for this consolidation. The field survey component involved conducting 308 mapping notes to describe and refine vegetation types across the Consolidation Area. In total, 118 vegetation types have been identified and mapped within the Consolidation Area. The limitations outlined in **Section 3** should be considered in conjunction with the confidence in mapping estimations (**Section 4.4**) when interpreting the results of this consolidation exercise.

Several vegetation types are considered to be representative of a TEC or PEC. Two (THs and CHfTHsASpp) were considered to represent the State listed terrestrial TEC (Vu); "*Themeda* grasslands on cracking clays (Hamersley Station, Pilbara)". A further vegetation type, AvVfTHsCHf, is considered to be of comparable conservation significance as the understorey is dominated by *Themeda* sp. Hamersley Station (M.E. Trudgen 11431), however, it also had a middle shrub stratum of *Acacia victoriae* subsp. *victoriae* and *Vachellia farnesiana*.

One vegetation type recorded within the Consolidation Area, ASIAsp, represents the State listed Priority 1 PEC, "Brockman Iron cracking clay communities of the Hamersley Range". A further three vegetation types, ARICHfERAxASe, ARIASeCHf and ASe, are considered broadly similar as they were variously dominated by *Astrebla* spp. (mainly *A. elymoides* and *A. pectinata*), and formed mosaics together with *Aristida latifolia*, *Chrysopogon fallax* and *Eragrostis xerophila*.

Each of the 118 vegetation types were assessed to classify their local significance. Analysis included a focus on TECs, PECs, EARs, riparian vegetation, and the correlation of records of significant flora species with vegetation. Discretion was used for the largest vegetation types which also had an absence of Priority flora records through the interior of their polygons. Seven vegetation types, comprising less than 2% of the Consolidation Area were considered to be 'Regionally Significant', and 10 vegetation types (3,322.35 ha, 4.4% of the Consolidation Area) were considered to be of 'High' local significance, as assessed according to the criteria listed in **Table 4**. The remaining vegetation types were classified as either 'Low' or 'Negligible' local significance.

Vegetation condition within the Consolidation Area ranged from 'Excellent' to 'Completely Degraded', with the majority (44,832.7 ha; 58.8%) of vegetation being in 'Excellent' condition. 'Completely Degraded' areas accounted for 11,055.3 ha (14.5%) of the Consolidation Area and included Rio Tinto disturbance mapping.

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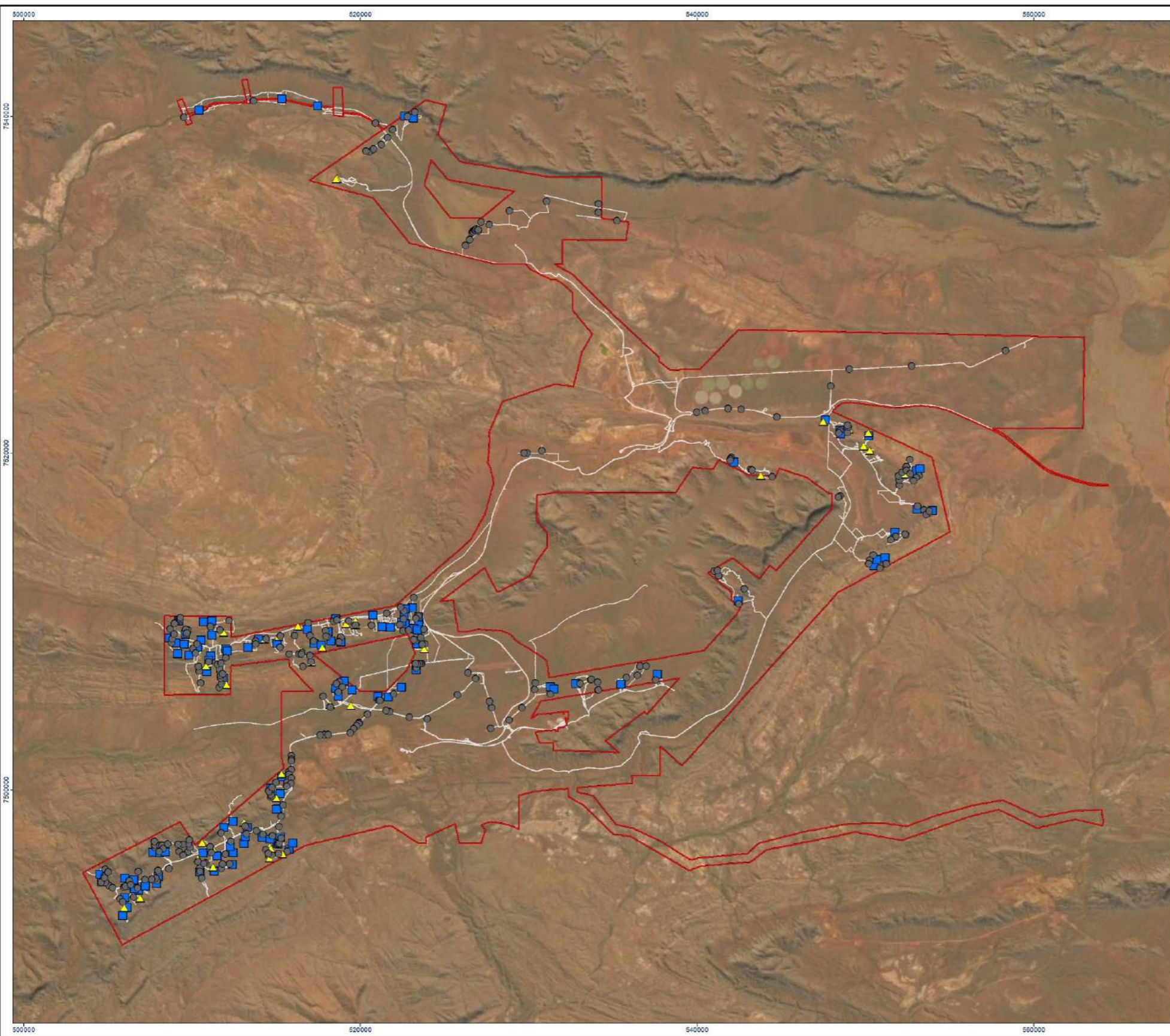
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A close-up photograph of a hand reaching out towards a bright sun in a field of tall grass. The hand is in silhouette, with the fingers slightly spread. The sun is a bright, glowing orb in the background, creating a lens flare effect. The grass is tall and thin, with some blades in the foreground. The overall color palette is warm, dominated by oranges, yellows, and browns.

Appendices

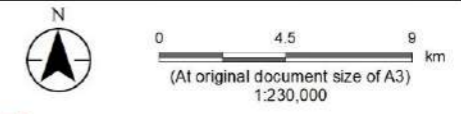
Appendix A Survey Effort within the Consolidation Area

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Title
Survey Effort (Stantec, 2019)

Client/Project 300003015-9005 REVB
Rio Tinto Iron Ore
Greater Brockman and Nammuldi-Silvergrass Hub
Consolidated Vegetation Type and Vegetation Condition Mapping
Project Location Prepared by DK on 2021-01-20
Stantec Australia Pty Ltd TR by DR on 2021-01-21
Perth, Western Australia IR by PB on 2021-01-21



- Consolidation Area
- Survey Effort (Stantec, 2019)**
- Quadrat
- ▲ Relevé
- Vegetation mapping note
- Track Logs

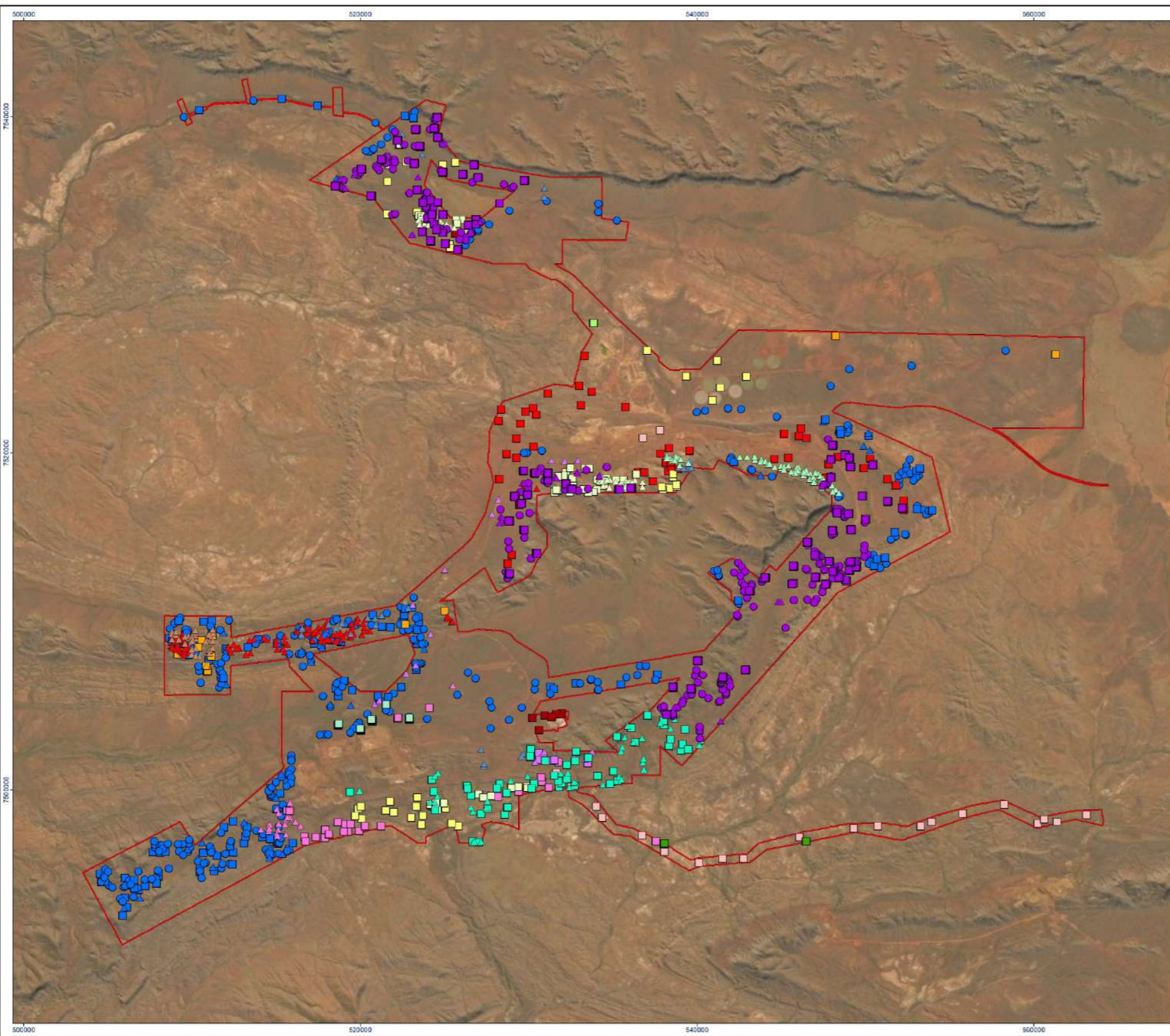


Notes:
1. Coordinate System: GDA 1994 MGA Zone 50
2. Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2021)
3. Background: Source: Esri, Maxar, GeoEye, Earthstar, GeoGraphics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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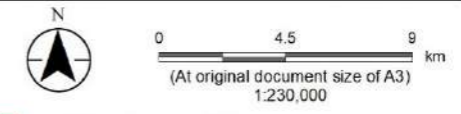
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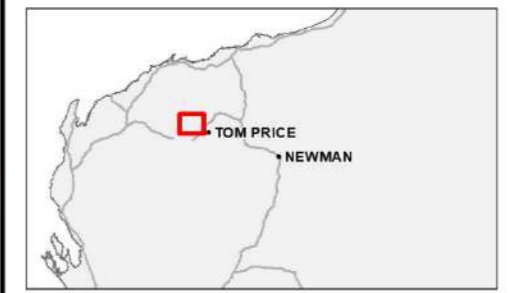
Title
Previous Survey Effort

Client/Project 300003015-9006 REVB
Rio Tinto Iron Ore
Greater Brockman and Nammuldi-Silvergrass Hub
Consolidated Vegetation Type and Vegetation Condition Mapping

Project Location Prepared by DK on 2021-01-20
Stantec Australia Pty Ltd TR by DR on 2021-01-21
Perth, Western Australia IR by PB on 2021-01-21



- | | |
|----------------------|--|
| Consolidation Area | Relevé |
| Survey Effort | Biota, 2015 |
| Astron, 2014 | Quadrat |
| Quadrat | Biota, 2016 |
| Relevé | Quadrat |
| Astron, 2016 | Relevé |
| Quadrat | Biota, 2017 |
| Astron, 2017 | Quadrat |
| Quadrat | Relevé |
| Astron, 2018 | Biota, 2018 |
| Quadrat | Quadrat |
| Biota, 2007 | Biota, 2019 |
| Quadrat | Quadrat |
| Relevé | Relevé |
| Biota, 2009 | Vegetation mapping note |
| Quadrat | Eco Logical & Rio Tinto, 2013 |
| Biota, 2010 | Relevé |
| Quadrat | Eco Logical & Rio Tinto, 2014 |
| Relevé | Relevé |
| Biota, 2011 | Eco Logical, 2013 |
| Quadrat | Relevé |
| Biota, 2012 | Rio Tinto, 2016 |
| Quadrat | Relevé |
| Relevé | Stantec, 2019 |
| Biota, 2013 | Quadrat |
| Quadrat | Relevé |
| Relevé | Vegetation mapping note |
| Biota, 2014 | Relevé |
| Quadrat | |



Notes

1. Coordinate System: GDA 1994 MGA Zone 50
2. Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2021)
3. Background: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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Appendix B Mapping Notes within the Consolidation Area

Site Type	Site Name	Date	Site Photograph
Baseline	053	19-05-19	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	518935	mE	
Northing	7506111	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia citrinoviridis</i>		
Notes	Creekline		

Site Type	Site Name	Date	Site Photograph
Baseline	659	19-05-19	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	504862	mE	
Northing	7494503	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i>		
Notes	To the north of the road		


Site Type	Site Name	Date	Site Photograph
Baseline	660	19-05-19	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	505268	mE	
Northing	7494190	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia ancistrocarpa</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	661	19-05-19	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	505949	mE	
Northing	7494203	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> and <i>Acacia bivenosa</i> over <i>Triodia</i> sp.		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	662	19-05-19	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	506043	mE	
Northing	7494268	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i>		
Notes	To the south of the road		


Site Type	Site Name	Date	Site Photograph
Baseline	664	19-05-19	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	508040	mE	
Northing	7495097	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i> with <i>Eriachne mucronata</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	665	19-05-19	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	511148	mE	
Northing	7496269	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i> with <i>Eriachne mucronata</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS01	17-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	509471	mE	
Northing	7496110	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsoniana</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS02	18-05-19	
Described by	Laura True		
Location (UTM)			
Easting	505882	mE	
Northing	7493346	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia trudgeniana</i> over <i>Acacia maitlandii</i> and <i>Acacia</i> sp. over <i>Acacia spondylophylla</i> over <i>Triodia</i> sp.		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS04	19-05-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	507623	mE	
Northing	7494689	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus gamophylla</i> over <i>Acacia ?kempeana</i> and <i>Acacia ?atkinsiana</i> over <i>Triodia</i> spp.		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS05	19-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	504600	mE	
Northing	7494506	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Eremophila exilifolia</i> over <i>Triodia epactia</i>		
Notes	Scattered <i>Acacia citrinoviridis</i> and <i>Acacia pruinocarpa</i>		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS06	20-05-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	506531	mE	
Northing	7493615	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia citrinoviridis</i> and <i>Acacia pruinocarpa</i> over <i>Acacia atkinsiana</i> over <i>Triodia brizoides</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS07	19-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	504799	mE	
Northing	7494879	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Ficus</i> sp. over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i> and <i>Eriachne mucronata</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS08	21-05-19	
Described by	Laura True		
Location (UTM)			
Easting	511659	mE	
Northing	7509494	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS09	19-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	505023	mE	
Northing	7495119	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia bivenosa</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS10	21-05-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	508773	mE	
Northing	7508741	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia aptaneura</i> , <i>Acacia pruinocarpa</i> and <i>Acacia bivenosa</i> over <i>Acacia marramamba</i> and <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS11	19-05-19	No photo available
Described by	Alice Bott		
Location (UTM)			
Easting	506348	mE	
Northing	7494351	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Eucalyptus</i> sp. over <i>Acacia monticola</i> and <i>Eremophila longifolia</i> over <i>Androcalva luteiflora</i> and <i>Gastrolobium grandiflorum</i> over <i>Themeda triandra</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS11a	19-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515118	mE	
Northing	7496802	mN	
Condition			
Vegetation Condition	0.4		
Vegetation Description	<i>Acacia citrinoviridis</i> over <i>Acacia</i> sp. over <i>Themeda triandra</i> and <i>Cenchrus ciliaris</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS12	21-05-19	
Described by	Laura True		
Location (UTM)			
Easting	508826	mE	
Northing	7508962	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> , <i>Acacia citrinoviridis</i> and <i>Acacia pruinocarpa</i> over <i>Acacia marramamba</i> and <i>Eremophila forrestii</i> over <i>Triodia wiseana</i> and <i>Eriachne mucronata</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS13	19-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515184	mE	
Northing	7496832	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Triodia wiseana</i> hummock grassland		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS13a	19-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	507992	mE	
Northing	7495211	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Slightly more <i>Eucalyptus leucophloia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS14	21-05-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	508927	mE	
Northing	7509241	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia ancistrocarpa</i> over <i>Triodia brizoides</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS16	22-05-19	
Described by	Laura True		
Location (UTM)			
Easting	508696	mE	
Northing	7509561	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia ?tenuissima</i> , <i>Acacia bivenosa</i> and <i>Acacia synchronicia</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS17	20-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514205	mE	
Northing	7497345	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS17b	19-05-20	No photo available
Described by	James Tsakalos		
Location (UTM)			
Easting	504791	mE	
Northing	7494780	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	N/A		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS18	24-05-19	No photo available
Described by	Laura True		
Location (UTM)			
Easting	518737	mE	
Northing	7508792	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS19	20-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	512312	mE	
Northing	7496941	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia longiceps</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS19b	21-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510288	mE	
Northing	7508667	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Acacia citrinoviridis</i> over <i>Stylobasium spathulatum</i> and <i>Acacia pyrifolia</i> over <i>Eriachne mucronata</i> and <i>Cenchrus ciliaris</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS20	24-05-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	523577	mE	
Northing	7509064	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera (Acacia exigua)</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS21	21-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	512011	mE	
Northing	7507837	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Acacia citrinoviridis</i> over <i>Stylobasium spathulatum</i> over <i>Themeda triandra</i> and <i>Cenchrus ciliaris</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS22	24-05-19	No photo available
Described by	Laura True		
Location (UTM)			
Easting	523279	mE	
Northing	7507497	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera (Acacia exigua) over Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS22b	23-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510659	mE	
Northing	7509779	mN	
Condition			
Vegetation Condition	0.4		
Vegetation Description			
Notes	Very disturbed with drill lines. Imagery outdated		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS23a	20-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515288	mE	
Northing	7497127	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia epactia</i> with scattered <i>Acacia pruinocarpa</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Acacia exigua</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS23	23-05-19	<p style="text-align: center;">No photo available</p>
Described by	Alice Bott		
Location (UTM)			
Easting	523310	mE	
Northing	7510186	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Acacia citrinoviridis</i> over tussock grasses		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS23b	24-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	522359	mE	
Northing	7509810	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pruinocarpa</i> and <i>Acacia marra mamba</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS24	26-05-19	
Described by	Laura True		
Location (UTM)			
Easting	508633	mE	
Northing	7495323	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus ?trivalva</i> and <i>Acacia atkinsiana</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS25	25-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	533689	mE	
Northing	7506532	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Indigofera</i> sp. Bungaroo Creek, <i>Corchorus crozophorifolius</i> and <i>Pentalepis trichodesmoides</i> over <i>Cenchrus ciliaris</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS26a	25-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	533719	mE	
Northing	7506571	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia pyrifolia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS26	26-05-19	
Described by	Laura True		
Location (UTM)			
Easting	511983	mE	
Northing	7496179	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Acacia citrinoviridis</i> and <i>Acacia pruinocarpa</i> over <i>Acacia atkinsiana</i> over <i>Triodia brizoides</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS28	26-05-19	
Described by	Laura True		
Location (UTM)			
Easting	513235	mE	
Northing	7497392	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> and <i>Corymbia</i> ? <i>hamersleyana</i> over <i>Acacia bivenosa</i> and <i>Acacia exigua</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS29a	27-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510579	mE	
Northing	7494758	mN	
Condition			
Vegetation Condition	0.1		
Vegetation Description	<i>Triodia wiseana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS29	26-05-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510209	mE	
Northing	7508131	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus socialis</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS30	27-05-19	
Described by	Laura True		
Location (UTM)			
Easting	506813	mE	
Northing	7495150	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> (<i>Corymbia deserticola</i> and <i>Hakea chordophylla</i>) over <i>Senna glutinosa</i> subsp. ? over <i>Triodia wiseana</i> , <i>Triodia epactia</i> and <i>Eriachne mucronata</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS31	26-05-19	
Described by	James Tsakalos		
Location (UTM)			
Easting	510434	mE	
Northing	7507054	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS33	26-05-19	
Described by	James Tsakalos		
Location (UTM)			
Easting	510524	mE	
Northing	7506345	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Melaleuca glomerata</i> and <i>Acacia citrinoviridis</i> over <i>Acacia pruinocarpa</i> over mixed tussock grasses		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS41	27-05-19	
Described by	James Tsakalos		
Location (UTM)			
Easting	515627	mE	
Northing	7500205	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus victrix</i> and <i>Acacia citrinoviridis</i> over <i>Cenchrus ciliaris</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS101	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	505063	mE	
Northing	7494318	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia citrinoviridis</i> , <i>Acacia monticola</i> and <i>Petalostylis labicheoides</i> over tussock grasses and hummock grasses		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS102	13-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	505726	mE	
Northing	7493507	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hammersleyana</i> and <i>Eucalyptus leucophloia</i> over <i>Acacia monticola</i> and <i>Acacia atkinsiana</i> over <i>Senna glutinosa</i> subsp. <i>glutinosa</i> , <i>Acacia maitlandii</i> and <i>Indigofera</i> sp. <i>Bungaroo Creek</i> over <i>Triodia epactia</i>		
Notes	Valley floor/flat valley		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS103	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	504844	mE	
Northing	7495259	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS104	13-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	507205	mE	
Northing	7494655	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Eucalyptus gamophylla</i> over <i>Acacia atkinsiana</i> over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS105	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	507916	mE	
Northing	7494595	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia epactia</i>		
Notes	(Recent burn 1-2 years)		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS106	14-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	506773	mE	
Northing	7494167	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus gamophylla</i> over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i>		
Notes	Alluvial plain		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS107	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	507861	mE	
Northing	7494746	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus gamophylla</i> over <i>Acacia monticola</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS108	15-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	506269	mE	
Northing	7494605	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus gamophylla</i> and Mallee over <i>Hakea chordophylla</i> over <i>Acacia exigua</i> over <i>Acacia atkinsiana</i> and <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS109	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	507817	mE	
Northing	7496572	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> (<i>Corymbia deserticola</i>) over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes	(recent burn 1-2 years)		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS110	15-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	511072	mE	
Northing	7496603	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> , <i>Corymbia hamersleyana</i> and <i>Hakea chordophylla</i> over <i>Acacia atkinsiana</i> and <i>Acacia exigua</i> shrubland over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS111	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	507781	mE	
Northing	7496715	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia monticola</i> over <i>Indigofera monophylla</i>		
Notes	(Recently burnt 1-2 years)		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS112	16-08-19	<p>No photo available</p>
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	509756	mE	
Northing	7496305	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia deserticola</i> over <i>Acacia maitlandii</i> , <i>Acacia kempeana</i> and <i>Acacia atkinsiana</i> over <i>Triodia brizoides</i> , <i>Triodia wiseana</i> and <i>Triodia epactia</i>		
Notes	Historically burnt		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS113	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	508100	mE	
Northing	7496704	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes	(recent burn 1 year - drainage between hills)		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS114	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	509896	mE	
Northing	7496558	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS115	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	508213	mE	
Northing	7496702	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Indigofera monophylla</i> over <i>Eriachne mucronata</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS116	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	509807	mE	
Northing	7496792	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> , <i>Corymbia deserticola</i> and <i>Hakea chordophylla</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS117	12-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	507760	mE	
Northing	7496932	mN	
Condition			
Vegetation Condition	1		
Vegetation Description			
<p><i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Indigofera monophylla</i> over Tussock grassland</p>			
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS118	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	509833	mE	
Northing	7497013	mN	
Condition			
Vegetation Condition	1		
Vegetation Description			
<p><i>Eucalyptus leucophloia</i> (<i>Hakea chordophylla</i>) over <i>Acacia trudgenii</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i></p>			
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS119	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	508292	mE	
Northing	7496509	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes	(recent burn 1-2 years)		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS120	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	509443	mE	
Northing	7496769	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Hakea chordophylla</i> over <i>Acacia maitlandii</i> and <i>Dampiera candidans</i> over <i>Triodia wiseana</i>		
Notes	Burnt about 2-3 years ago.		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS121	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	508572	mE	
Northing	7496784	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes	(recent burn 1-2 years, hills)		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS122	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	509169	mE	
Northing	7496772	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> and <i>Acacia monticola</i> over <i>Triodia epactia</i>		
Notes	Burnt about 2 yrs. ago. Valley floor		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS123	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	508049	mE	
Northing	7496322	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia monticola</i> and <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS124	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	509231	mE	
Northing	7496320	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia deserticola</i> and <i>Corymbia hamersleyana</i> over <i>Acacia</i> spp. and <i>Senna glutinosa</i> subsp. <i>pruinosa</i> over <i>Triodia wiseana</i>		
Notes	Burnt about 1 yr. ago		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS125	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510481	mE	
Northing	7495353	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia exigua</i> and <i>Hakea lorea</i> (<i>Acacia pruinocarpa</i>) over <i>Triodia wiseana</i> .		
Notes	Hill Crest surrounded by 1-2 year burn		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS126	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	513251	mE	
Northing	7497766	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Acacia aptaneura</i> over <i>Acacia citrinoviridis</i> and <i>Acacia pruinocarpa</i> over <i>Dodonaea pachyneura</i> , <i>Eremophila latrobei</i> subsp.? over <i>Triodia epactia</i>		
Notes	Not burnt		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS127	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510463	mE	
Northing	7495169	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Acacia bivenosa</i> and <i>Acacia citrinoviridis</i> over <i>Themeda triandra</i> .		
Notes	Recently burnt.		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS128	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	513157	mE	
Northing	7497837	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pruinocarpa</i> over <i>Acacia exigua</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS129	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510357	mE	
Northing	7495729	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia monticola</i> over <i>Tephrosia rosea</i> over <i>Themeda triandra</i> and <i>Triodia epactia</i>		
Notes	Broad creek line burnt 1-2 years		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS130	16-08-19	
Described by	Julijanna Hantzis		
Location (UTM)			
Easting	513828	mE	
Northing	7497571	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus victrix</i> and <i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> over <i>Themeda triandra</i> , <i>Eulalia aurea</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS130a	17-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	509661	mE	
Northing	7509240	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> and <i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> over <i>Tephrosia</i> sp. Fortescue creeks over <i>Triodia epactia</i> and <i>Eriachne benthamii</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS131	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511072	mE	
Northing	7496407	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia bivenosa</i> and <i>Acacia pruinocarpa</i> over <i>Tephrosia rosea</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS132	17-08-19	No photo available
Described by	Julia Mattner		
Location (UTM)			
Easting	509684	mE	
Northing	7509311	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia citrinoviridis</i> over <i>Eremophila longifolia</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i> .		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS133	13-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514387	mE	
Northing	7496437	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Senna glutinosa</i> subsp. x <i>luerssenii</i> over <i>Triodia</i> spp.		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS134	17-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	509749	mE	
Northing	7509400	mN	
Condition			
Vegetation Condition	1		
Vegetation Description			
Notes			
<p><i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Acacia marra mamba</i> over <i>Triodia wiseana</i></p> <p>On mid-slope</p>			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS135	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515635	mE	
Northing	7500433	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description			
Notes			
<p><i>Acacia citrinoviridis</i> over <i>Vachellia farnesiana</i> over <i>Cenchrus ciliaris</i></p>			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS136	17-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	509766	mE	
Northing	7509497	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> , <i>Eucalyptus leucophloia</i> , <i>Acacia pruinocarpa</i> over <i>Eremophila exilifolia</i> over <i>Triodia epactia</i>		
Notes	On gently inclined hilltop		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS137	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514694	mE	
Northing	7499548	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia atkinsiana</i> , <i>A. citrinoviridis</i> and <i>A. pruinocarpa</i> open shrubland over <i>A. marramamba</i> open shrubland over <i>Triodia wiseana</i> and <i>Triodia epactia</i> hummock grassland.		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS138	17-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	509637	mE	
Northing	7509541	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pruinocarpa</i> and <i>Acacia citrinoviridis</i> over <i>Acacia atkinsiana</i>		
Notes	On gently inclined hilltop		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS139	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514754	mE	
Northing	7499616	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia citrinoviridis</i> , <i>Acacia aptaneura</i> and <i>Acacia pruinocarpa</i> over <i>Eriachne mucronata</i> .		
Notes	Gully.		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS140	17-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	510069	mE	
Northing	7508395	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia citrinoviridis</i> and <i>Acacia marra mamba</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS141	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514701	mE	
Northing	7499708	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> and <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS142	18-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	517000	mE	
Northing	7509157	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia citrinoviridis</i> over <i>Acacia marramamba</i> and <i>Acacia atkinsiana</i> open shrubland over <i>Triodia epactia</i>		
Notes	Mid-slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS143	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514597	mE	
Northing	7499848	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia monticola</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS144	18-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	517218	mE	
Northing	7508847	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i> and <i>Eriachne mucronata</i>		
Notes	On upper slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS145	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514555	mE	
Northing	7499920	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> and <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS146	18-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	517939	mE	
Northing	7509440	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pruinocarpa</i> over <i>Acacia marramamba</i> over <i>Triodia wiseana</i>		
Notes	On lower slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS147	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514754	mE	
Northing	7500139	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Triodia</i> hummock grassland		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS148	18-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	517970	mE	
Northing	7509119	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i>		
Notes	On upper slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS149	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514986	mE	
Northing	7500447	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> and <i>Acacia aptaneura</i> over <i>Triodia wiseana</i> and <i>Triodia brizoides</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS150	18-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	518738	mE	
Northing	7508827	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Hakea chordophylla</i> over <i>Acacia maitlandii</i> and <i>Senna glutinosa</i> subsp. <i>pruinosa</i> over <i>Triodia wiseana</i>		
Notes	On upper slope and hilltop		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS151	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515759	mE	
Northing	7501071	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Acacia ancistrocarpa</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS152	18-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	518603	mE	
Northing	7510086	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus gamophylla</i> , Mallee and <i>Acacia aptaneura</i> over <i>Acacia coleii</i> over <i>Acacia bivenosa</i> over <i>Triodia epactia</i> and <i>Cenchrus ciliaris</i>		
Notes	Along minor drainage line		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS153	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515764	mE	
Northing	7500911	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia citrinoviridis</i> over <i>Triodia epactia</i> and Tussock grasslands		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS154	19-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	522562	mE	
Northing	7510151	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Ficus brachypoda</i> over <i>Acacia exigua</i> , <i>Acacia marramamba</i> and <i>Acacia monticola</i> over <i>Triodia epactia</i>		
Notes	In upper reaches of drainage with cliffs		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS155	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515670	mE	
Northing	7496348	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS156	19-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	522589	mE	
Northing	7510639	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia inaequilatera</i> over <i>Ptilotus rotundifolius</i> over <i>Triodia wiseana</i>		
Notes	On low hilltops and associated slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS157	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515136	mE	
Northing	7496192	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia citrinoviridis</i> and <i>Melaleuca glomerata</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes	Narrow creek, burnt 1-3 years ago		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS158	19-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	522405	mE	
Northing	7510849	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Acacia xiphophylla</i> and <i>Acacia aptaneura</i> over <i>Acacia synchronicia</i> over <i>Triodia wiseana</i>		
Notes	On gently inclined plain (a narrow band of this snakewood veg type)		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS159	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514746	mE	
Northing	7496122	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> and <i>Corymbia hamersleyana</i> over <i>Triodia brizoides</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS160	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	521574	mE	
Northing	7510485	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Stylobasium spathulata</i> over <i>Cenchrus ciliaris</i>		
Notes	In small drainage line		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS161	14-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514532	mE	
Northing	7496222	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Triodia wiseana</i> hummock grassland		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS162	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523457	mE	
Northing	7510337	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Acacia citrinoviridis</i> and <i>Corymbia hamersleyana</i> over <i>Themeda triandra</i> , <i>Eriachne benthamii</i> , <i>Cenchrus ciliaris</i> and <i>Triodia wiseana</i>		
Notes	In drainage line		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS163	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	522908	mE	
Northing	7504311	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia citrinoviridis</i> and <i>Acacia Mara mamba</i> over <i>Triodia epactia</i>		
Notes	Plain		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS164	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523642	mE	
Northing	7507499	mN	
Condition			
Vegetation Condition	0.1		
Vegetation Description	<i>Acacia inaequilatera</i> , <i>Acacia synchronicia</i> , <i>Acacia bivenosa</i> and <i>Acacia kempeana</i> over <i>Triodia wiseana</i>		
Notes	On low rise		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS165	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510812	mE	
Northing	7495649	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS166	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523331	mE	
Northing	7507232	mN	
Condition			
Vegetation Condition	0.1		
Vegetation Description	<i>Acacia aptaneura</i> (<i>Eucalyptus xerothermica</i>) over <i>Acacia synchronicia</i> and <i>Acacia bivenosa</i> over <i>Triodia wiseana</i>		
Notes	On slope of low rise		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS167	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	510715	mE	
Northing	7495619	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia deserticola</i> (<i>Corymbia hamersleyana</i> and <i>Eucalyptus leucophloia</i>) over <i>Acacia citrinoviridis</i> and <i>Acacia monticola</i> over <i>Themeda triandra</i> and <i>Triodia epactia</i>		
Notes	Minor drainage between hills		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS168	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523819	mE	
Northing	7508663	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Eremophila cuneifolia</i> and <i>Senna stricta</i> over <i>Triodia wiseana</i>		
Notes	On low rise and low gentle slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS169	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511747	mE	
Northing	7495323	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes	Low hills burnt 1-3 years ago		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS170	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523679	mE	
Northing	7508643	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> and <i>Corymbia hamersleyana</i> over <i>Jasminum didymum</i> , <i>Eremophila longifolia</i> , <i>Acacia citrinoviridis</i> and <i>Acacia pyrifolia</i> over <i>Cenchrus ciliaris</i> and <i>Themeda triandra</i>		
Notes	In shallow depression		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS171	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	512242	mE	
Northing	7495584	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia brizoides</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS172	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523254	mE	
Northing	7508870	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia citrinoviridis</i> , <i>Corymbia hamersleyana</i> over <i>Eremophila longifolia</i> , <i>Jasminum didymum</i> over <i>Cenchrus ciliaris</i> and <i>Themeda triandra</i>		
Notes	In shallow depression		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS173	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511808	mE	
Northing	7495602	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over mixed chenopods and <i>Eremophila</i> .		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS174	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523166	mE	
Northing	7508933	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia exigua</i> , <i>Acacia synchronicia</i> and <i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes	On undulating plain		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS175	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514786	mE	
Northing	7497263	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i> hummock grassland.		
Notes	Cave for fauna		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS176	15-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511723	mE	
Northing	7497428	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Astrotricha hamptonii</i> over <i>Triodia epactia</i> and <i>Eriachne mucronata</i>		
Notes	Cliff		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS176a	20-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523267	mE	
Northing	7507500	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS177	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511735	mE	
Northing	7507512	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes	Rolling hills. Excellent condition, unburnt		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS178	21-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523580	mE	
Northing	7507488	mN	
Condition			
Vegetation Condition	0.1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia atkinsiana</i> and <i>Acacia ancistrocarpa</i> over <i>Jasminum didymum</i> and <i>Acacia exigua</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes	In a minor		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS179	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511820	mE	
Northing	7506892	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Melaleuca glomerata</i>		
Notes	Creek		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS180	21-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523518	mE	
Northing	7507496	mN	
Condition			
Vegetation Condition	0.1		
Vegetation Description	<i>Acacia aptaneura</i> over <i>Acacia inaequilatera</i> , <i>Acacia synchronicia</i> and <i>Acacia ancistrocarpa</i> over <i>Acacia exigua</i> over <i>Triodia wiseana</i>		
Notes	On low rise		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS181	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511826	mE	
Northing	7506625	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Melaleuca glomerata</i>		
Notes	Creek		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS182	21-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	523404	mE	
Northing	7507479	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> and <i>Acacia aptaneura</i> over <i>Acacia atkinsiana</i> , <i>Acacia ancistrocarpa</i> and <i>Acacia citrinoviridis</i> over <i>Jasminum didymum</i> , <i>Senna artemisioides oligophylla</i> over <i>Themeda triandra</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS183	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511620	mE	
Northing	7506063	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus xerothermica</i> over <i>Acacia bivenosa</i> , <i>Acacia inaequilatera</i> and <i>Acacia citrinoviridis</i> (<i>Stylobasium spathulatum</i>) over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS184	21-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	521996	mE	
Northing	7505701	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Acacia citrinoviridis</i> over <i>Cenchrus</i> sp.		
Notes	In riverbed		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS185	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511753	mE	
Northing	7506290	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS186	21-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	537558	mE	
Northing	7506514	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia atkinsiana</i> over <i>Acacia exigua</i> over <i>Triodia wiseana</i>		
Notes	On gently inclined lower slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS187	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511702	mE	
Northing	7506633	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus xerothermica</i> over <i>Acacia bivenosa</i> , <i>Acacia inaequilatera</i> and <i>Acacia citrinoviridis</i> (<i>Stylobasium spathulatum</i>) over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS188	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	535825	mE	
Northing	7506679	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Eremophila longifolia</i> , <i>Jasminum didymum</i> , <i>Androcalva luteiflora</i> and <i>Acacia ancistrocarpa</i> over <i>Chrysopogon fallax</i> , <i>Themeda triandra</i> and <i>Eulalia aerea</i>		
Notes	Recently burnt		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS89	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511698	mE	
Northing	7506779	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS190	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	536615	mE	
Northing	7507352	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> over <i>Senna</i> spp. over <i>Triodia epactia</i>		
Notes	On very gently inclined slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS191	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511668	mE	
Northing	7507040	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS192	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	536988	mE	
Northing	7507343	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Corymbia deserticola</i> over <i>Acacia aptaneura</i> over <i>Acacia ancistrocarpa</i> and <i>Acacia kempeana</i> over <i>Triodia epactia</i>		
Notes	Adjacent to recently burnt plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS93	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511640	mE	
Northing	7507165	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Acacia synchronica</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS194	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	536475	mE	
Northing	7506813	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus gamophylla</i> and Mallee's over <i>Acacia exigua</i> and <i>Acacia ancistrocarpa</i> over <i>Senna</i> spp. over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes	Area adjacent recently burnt		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS195	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511510	mE	
Northing	7507451	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS196	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	520417	mE	
Northing	7504490	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Eremophila cuneifolia</i> and <i>Senna</i> spp. over <i>Triodia wiseana</i>		
Notes	On near level plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS197	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	513779	mE	
Northing	7508833	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS198	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	519928	mE	
Northing	7503993	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Hakea chordophylla</i> over <i>Acacia ancistrocarpa</i> and <i>Acacia synchronicia</i> over <i>Eremophila cuneifolia</i> over <i>Triodia epactia</i>		
Notes	On west side of road		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS199	16-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	513790	mE	
Northing	7508666	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia pruinocarpa</i> over <i>Petalostylis labicheoides</i> and <i>Acacia marra mamba</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS200	22-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	519956	mE	
Northing	7503963	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> , <i>Acacia ancistrocarpa</i> , <i>Acacia bivenosa</i> and <i>Acacia pyrifolia</i> over <i>Triodia epactia</i>		
Notes	In low lying area east of road		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS201	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	508952	mE	
Northing	7509871	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes	Creek bed		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS202	22-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	519890	mE	
Northing	7503927	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> and <i>Acacia ancistrocarpa</i> over <i>Triodia epactia</i> , <i>Cenchrus ciliaris</i> and <i>Themeda triandra</i>		
Notes	In drainage line		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS203	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	509057	mE	
Northing	7509964	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS204	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	519780	mE	
Northing	7503806	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia ancistrocarpa</i> , <i>Acacia citrinoviridis</i> and <i>Acacia synchronicia</i> over <i>Triodia epactia</i>		
Notes	Similar to mnGBS200		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS205	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	509283	mE	
Northing	7510091	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia bivenosa</i> , <i>Stylobasium spathulatum</i> , <i>Gossypium robinsonii</i> over <i>Triodia epactia</i> , <i>Themeda triandra</i> and <i>Eulalia aurea</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS206	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	519606	mE	
Northing	7503617	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Grevillea pyramidalis</i> and <i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> , <i>Petalostylis labicheoides</i> and <i>Acacia pyrifolia</i> over <i>Cenchrus ciliaris</i> , <i>Themeda triandra</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBs207	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	509302	mE	
Northing	7510128	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Senna glutinosa</i> subsp. <i>pruinosa</i> over <i>Triodia wiseana</i> and <i>Triodia longiceps</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS208	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	519417	mE	
Northing	7503391	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> and <i>Acacia pruinocarpa</i> over <i>Acacia bivenosa</i> and <i>Senna</i> spp. over <i>Triodia wiseana</i>		
Notes	On lower slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS209	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	509296	mE	
Northing	7510223	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Acacia synchronicia</i> over chenopod shrubland		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS210	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	518082	mE	
Northing	7503284	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia bivenosa</i> and <i>Acacia ancistrocarpa</i> over <i>Cenchrus ciliaris</i> , <i>Themeda triandra</i> and <i>Triodia epactia</i>		
Notes	In drainage line		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS211	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511149	mE	
Northing	7509616	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia citrinoviridis</i> and <i>Acacia aptaneura</i> over <i>Themeda triandra</i> and <i>Triodia epactia</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS212	22-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	517881	mE	
Northing	7503277	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia inaequilatera</i> and <i>Acacia ancistrocarpa</i> over <i>Triodia wiseana</i>		
Notes	On slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS213	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511104	mE	
Northing	7509703	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	Eucalyptus leucophloia over Acacia maitlandii and Acacia atkinsiana over Triodia wiseana hummock grassland.		
Notes	Cave for fauna		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS214	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	517605	mE	
Northing	7503249	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia ancistrocarpa</i> and <i>Acacia bivenosa</i> over <i>Themeda triandra</i> and <i>Cenchrus ciliaris</i> and <i>Triodia epactia</i>		
Notes	In valley		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS215	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	512201	mE	
Northing	7510063	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia wiseana</i> and <i>Triodia longiceps</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS216	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515898	mE	
Northing	7502027	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia aptaneura</i> over <i>Triodia wiseana</i>		
Notes	On hilltops and slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS217	17-08-19	Photo not available
Described by	Alice Bott		
Location (UTM)			
Easting	515223	mE	
Northing	7508481	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS218	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515901	mE	
Northing	7501812	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i>		
Notes	On slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS219	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	518066	mE	
Northing	7509068	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS220	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515912	mE	
Northing	7501712	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes	On slope		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS221	17-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	518846	mE	
Northing	7509086	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pruinocarpa</i> and <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS222	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515097	mE	
Northing	7496775	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus gamophylla</i> over <i>Acacia citrinoviridis</i> and <i>Acacia ancistrocarpa</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS223	18-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515259	mE	
Northing	7509137	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Eucalyptus socialis overmixed Triodia spp.		
Notes	Very recent burn.		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS224	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515898	mE	
Northing	7501197	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes	On low slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS225	18-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	514407	mE	
Northing	7508976	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus socialis</i>		
Notes	Unburnt		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS226	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515779	mE	
Northing	7500913	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i>		
Notes	On alluvial plain		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS227	18-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	516103	mE	
Northing	7509157	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Eucalyptus leucophloia over Acacia atkinsiana over Triodia epactia and Eriachne mucronata		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS228	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515901	mE	
Northing	7500698	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	Acacia aptaneura and Acacia xiphophylla over Senna spp. and Eremophila cuneifolia over Triodia epactia		
Notes	On alluvial plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS229	18-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	519300	mE	
Northing	7510026	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i> and <i>Eriachne mucronata</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS230	22-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515876	mE	
Northing	7500383	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia exigua</i> shrubland over <i>Triodia wiseana</i>		
Notes	On alluvial plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS231	18-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	519719	mE	
Northing	7509795	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pruinocarpa</i> and <i>Acacia marra mamba</i> over <i>Triodia wiseana</i> and <i>Triodia epactia</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS232	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515413	mE	
Northing	7499090	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> , <i>Acacia ancistrocarpa</i> over <i>Triodia epactia</i>		
Notes	On low slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS233	18-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	518407	mE	
Northing	7510007	mN	
Condition			
Vegetation Condition	1		
Vegetation Description			
Notes			
<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> and <i>Acacia exigua</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS234	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515290	mE	
Northing	7498432	mN	
Condition			
Vegetation Condition	1		
Vegetation Description			
Notes			
<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> and <i>Acacia marramamba</i> shrubland over <i>Triodia epactia</i> On slopes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS235	18-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	516898	mE	
Northing	7509928	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus xerothermica</i> and <i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i>		
Notes	Burnt 1 year ago		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS236	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	515177	mE	
Northing	7497800	mN	
Condition			
Vegetation Condition	0.6		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Acacia citrinoviridis</i> over <i>Stylobasium spathulatum</i> and <i>Acacia pyrifolia</i> over <i>Themeda triandra</i> and <i>Cenchrus ciliaris</i> and <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS237	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	523779	mE	
Northing	7509530	mN	
Condition			
Vegetation Condition	0.1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia citrinoviridis</i> , <i>Acacia pruinocarpa</i> and <i>Acacia mamba</i> over <i>Triodia wiseana</i>		
Notes	Low slope, unburnt area		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS238	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	539993	mE	
Northing	7522425	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia exigua</i> over <i>Triodia wiseana</i>		
Notes	On low slopes/ undulating plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS239	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	522543	mE	
Northing	7509453	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Eucalyptus leucophloia over Acacia atkinsiana, A. pruinocarpa over Acacia marramamba over Triodia wiseana and T. epactia hummock grassland.		
Notes	Photo shows drilling impacts		


Site Type	Site Name	Date	Site Photograph
Baseline	MnGBS240	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	540503	mE	
Northing	7522518	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Acacia aptaneura and Acacia pruinocarpa over Acacia exigua shrubland over Triodia wiseana		
Notes	On plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS241	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	522879	mE	
Northing	7509484	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Eremophila magnifica</i> over <i>Amphipogon sericeus</i> and <i>Eriachne mucronata</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS242	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	541859	mE	
Northing	7522650	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> , <i>Acacia xiphophylla</i> and <i>Acacia pruinocarpa</i> over <i>Triodia wiseana</i>		
Notes	In low areas		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS243	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	516551	mE	
Northing	7508153	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Triodia wiseana</i> hummock grassland		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS244	23-08-19	
Described by	Julia Mattner		
Location (UTM)			
Easting	541856	mE	
Northing	7522640	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> and <i>Acacia exigua</i> shrubland over <i>Triodia wiseana</i>		
Notes	On lower slopes		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS245	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	515765	mE	
Northing	7508051	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS246	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	542640	mE	
Northing	7522608	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia aptaneura</i> over <i>Acacia exigua</i> shrubland over <i>Triodia wiseana</i>		
Notes	On undulating plain similar to Mattiski 2011		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS247	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	516361	mE	
Northing	7508067	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia aptaneura</i> , <i>Acacia pruinocarpa</i> and <i>Grevillea berryana</i> over <i>Eremophila exilifolia</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS248	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	544757	mE	
Northing	7522153	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia</i> spp. over <i>Triodia wiseana</i>		
Notes	On lower slope and plain.		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS249	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	516501	mE	
Northing	7508072	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS250	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	547966	mE	
Northing	7523986	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> and <i>Acacia pruinocarpa</i> over <i>Acacia atkinsiana</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes	On plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS251	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	517082	mE	
Northing	7507607	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Gossypium robinsonii</i> , <i>Acacia monticola</i> and <i>Acacia ancistrocarpa</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS252	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	549055	mE	
Northing	7524997	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia deserticola</i> over <i>Acacia aptaneura</i> and <i>Acacia pruinocarpa</i> over <i>Triodia epactia</i>		
Notes	Grassland on plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS253	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	516595	mE	
Northing	7507328	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS254	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	552756	mE	
Northing	7525177	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hammersleyana</i> and <i>Acacia aptaneura</i> over <i>Triodia epactia</i>		
Notes	On plain this veg extends to the north to the ground truthing point		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS255	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	517002	mE	
Northing	7507969	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia citrinoviridis</i> and <i>Acacia marra mamba</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS256	23-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	558349	mE	
Northing	7526090	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia deserticola</i> over <i>Acacia aptaneura</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i>		
Notes	On plain. Widespread		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS257	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	521096	mE	
Northing	7505315	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> and <i>Acacia aptaneura</i> over <i>Triodia epactia</i>		
Notes	Stony plain		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS259	19-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	521157	mE	
Northing	7505317	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus xerothermica</i> over <i>Acacia citrinoviridis</i> (<i>Acacia ayersiana</i>), <i>Acacia bivenosa</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS261	20-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	521752	mE	
Northing	7504635	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus xerothermica</i> over <i>Acacia citrinoviridis</i> and <i>Acacia ancistrocarpa</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS263	20-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	521537	mE	
Northing	7504703	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus camaldulensis/victrix</i> over <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS265	20-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	518689	mE	
Northing	7505811	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia ?aptaneura</i> , <i>Acacia ancistrocarpa</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS267	20-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	518768	mE	
Northing	7506417	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> and <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS269	20-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	518584	mE	
Northing	7506310	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia bivenosa</i> , <i>Acacia synchronica</i> and <i>Acacia kempeana</i> over <i>Eremophila fraseri</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS271	20-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	517792	mE	
Northing	7505554	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus camaldulensis</i> and <i>Eucalyptus xerothermica</i> over <i>Acacia citrinoviridis</i> and <i>Acacia pyrifolia</i> over <i>Tephrosia rosea</i> over tussock grassland		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS273	20-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	531285	mE	
Northing	7505686	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia ancistrocarpa</i> , <i>Acacia exigua</i> , <i>Acacia inaequilatera</i> , <i>Acacia bivenosa</i> and <i>Acacia aptaneura</i> over <i>Triodia epactia</i> with isolated <i>Corymbia hamersleyana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS275	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	534119	mE	
Northing	7505919	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Corymbia hamersleyana</i> and <i>Acacia citrinoviridis</i> over <i>Triodia epactia</i> and <i>Eriachne mucronata</i>		
Notes	<i>Indigofera bungaroo creek</i> , burnt creek incised		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS277	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	534143	mE	
Northing	7505936	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Triodia wiseana</i> small hills (isolated <i>Corymbia hamersleyana</i> , <i>Acacia exigua</i> and <i>Acacia inaequilatera</i>)		
Notes	Small hills		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS279	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	534103	mE	
Northing	7506405	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Corchorus crozophorifolius</i> , <i>Tephrosia rosea</i> over <i>Eriachne mucronata</i> , <i>Themeda triandra</i> and <i>Cenchrus ciliaris</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS281	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	533067	mE	
Northing	7506318	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Corymbia deserticola</i> over <i>Acacia monticola</i> over <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS283	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	528840	mE	
Northing	7504146	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia deserticola</i> over <i>Acacia ancistrocarpa</i> and <i>Acacia aptaneura</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS285	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	529612	mE	
Northing	7504877	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	(Eucalyptus deserticola) Acacia ancistrocarpa and Acacia bivenosa over Triodia epactia hummock grassland.		
Notes	Very minor drainage in mosaic		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS287	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	530360	mE	
Northing	7505969	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Tephrosia rosea</i> over <i>Triodia epactia</i> , <i>Themeda triandra</i> and <i>Eriachne mucronata</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS289	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	530406	mE	
Northing	7506349	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia atkinsiana</i> and <i>Acacia exigua</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS291	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	527750	mE	
Northing	7503637	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> , <i>Acacia pruinocarpa</i> and <i>Acacia aptaneura</i> over <i>Triodia epactia</i>		
Notes	Alluvial plain, mosaic with <i>Acacia aptaneura</i> stony patches		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS293	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	527803	mE	
Northing	7504888	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> over <i>Triodia epactia</i> tussock grassland and <i>Cenchrus ciliaris</i>		
Notes	Good to very good		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS295	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	527681	mE	
Northing	7505252	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> and <i>Acacia ayersiana</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS297	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526845	mE	
Northing	7506616	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia deserticola</i> over <i>Acacia atkinsiana</i> and <i>Acacia exigua</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS299	21-08-19	<p>No photo available</p>
Described by	Alice Bott		
Location (UTM)			
Easting	525766	mE	
Northing	7505639	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Eucalyptus xerothematica, Acacia aneura open forest over Triodia epactia open hummock grassland over Chrysopogon fallax very open tussock grassland.		
Notes	Petering out.		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS300	26-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	551253	mE	
Northing	7513419	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> , <i>Acacia coriacea</i> subsp. <i>pendens</i> and <i>Acacia citrinoviridis</i> over <i>Stylobasium spathulatum</i> , <i>Melaleuca glomerata</i> and <i>Androcalva luteiflora</i> over <i>Themeda triandra</i>		
Notes	Grassland in creek line		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS301	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	523976	mE	
Northing	7504208	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> over <i>Triodia epactia</i> tussock grassland		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS302	26-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	550888	mE	
Northing	7513166	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> and <i>Acacia pruinocarpa</i> over <i>Senna spp.</i> over <i>Triodia epactia</i>		
Notes	On two hilltops and surrounding slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS303	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	523174	mE	
Northing	7511426	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> and <i>Eucalyptus xerothematica</i> over <i>Acacia bivenosa</i> over <i>Triodia epactia</i> and tussock grasses		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS303a	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526400	mE	
Northing	7506952	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> and <i>Eucalyptus xerothermica</i> over <i>Acacia bivenosa</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS304	26-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	550210	mE	
Northing	7513432	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia inaequilatera</i> over <i>Senna</i> spp. over <i>Triodia wiseana</i>		
Notes	On low slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS305	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	529916	mE	
Northing	7520001	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia deserticola</i> over <i>Acacia tumida</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS306	26-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	550496	mE	
Northing	7513944	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia bivenosa</i> and <i>Acacia inaequilatera</i> over <i>Indigofera rugosa</i> over <i>Triodia wiseana</i>		
Notes	On gentle slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS307	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	529741	mE	
Northing	7520004	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia deserticola</i> and <i>Corymbia hamersleyana</i> over <i>Acacia atkinsiana</i> , <i>Acacia synchronicia</i> and <i>Acacia exigua</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS308	26-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	550284	mE	
Northing	7513653	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes	Gentle slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS309	21-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	530796	mE	
Northing	7520144	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia deserticola</i> and <i>Eucalyptus gamophylla</i> over <i>Acacia atkinsiana</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS310	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	551823	mE	
Northing	7515056	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia maitlandii</i> , <i>Acacia exigua</i> and <i>Acacia kempeana</i> over <i>Triodia wiseana</i>		
Notes	Medium steep slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS311	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526251	mE	
Northing	7532349	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Acacia atkinsiana and Acacia kempeana over Triodia epactia hummock grassland.		
Notes	Disturbance. Stockpiles not shown on original disturbance layer from Rio Tinto.		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS312	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	552411	mE	
Northing	7515132	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Acacia aptaneura</i> over <i>Acacia ayersiana</i> and <i>Dodoniaea pachyneura</i> shrubland over <i>Triodia epactia</i> and <i>Triodia wiseana</i> and <i>Eriachne mucronata</i>		
Notes	Steep slope/ cliff		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS313	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526514	mE	
Northing	7532684	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> over <i>Chrysopogon fallax</i> and <i>Triodia epactia</i>		
Notes	Good condition. Tracks, trampling, grazing, lack of understorey		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS314	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	552377	mE	
Northing	7515186	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Eucalyptus gamophylla</i> and Mallee's over <i>Acacia exigua</i> over <i>Triodia wiseana</i>		
Notes	Open hummock grassland on low hilltop		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS315	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526634	mE	
Northing	7533086	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eriachne benthamii</i> tussock grassland		
Notes	Good, Grazed, trampled and drilling		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS316	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	551528	mE	
Northing	7514855	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Astrotricha hamptonii</i> and <i>Acacia atkinsiana</i> over <i>Themeda triandra</i> and <i>Eriachne mucronata</i> with <i>Triodia wiseana</i>		
Notes	Steep slope/ below cliff		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS317	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526676	mE	
Northing	7533165	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Eremophila</i> sp. over <i>Triodia epactia</i>		
Notes	Good. Trampling, grazing, lack of understorey. Small patch		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS318	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	553500	mE	
Northing	7516624	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> , <i>Acacia citrinoviridis</i> and <i>Acacia aptaneura</i> over <i>Acacia ayersiana</i> , <i>Dodonaea pachyneura</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i> and <i>Cymbopogon ambiguus</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGSS319	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526737	mE	
Northing	7533152	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> over <i>Triodia epactia</i> and <i>Chrysopogon fallax</i>		
Notes	Good, Trampling and grazing		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS320	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	553806	mE	
Northing	7516572	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Acacia aptaneura</i> over <i>Dodonaea pachyneura</i> over <i>Triodia wiseana</i>		
Notes	On steep slope / open gully		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS321	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526792	mE	
Northing	7533248	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Astrebla ?lappacea</i>		
Notes	On cracking clay		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGSS321a	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526843	mE	
Northing	7533248	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Themeda</i> sp. Hamersley station		
Notes	Poor, grazing, trampling and no understory		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS322	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	553810	mE	
Northing	7516440	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia bivenosa</i> , <i>Senna</i> spp. over <i>Triodia wiseana</i>		
Notes	On medium slope, burnt roughly 3 years ago. White patches are not iron stone		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS324	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	553630	mE	
Northing	7516344	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Acacia aptaneura</i> over <i>Acacia bivenosa</i> , <i>Dodonaea pachyneura</i> and <i>Senna</i> spp. over <i>Triodia epactia</i> with <i>Eriachne mucronata</i>		
Notes	Steep slope off gully		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS325	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	526899	mE	
Northing	7533331	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Astreble spp. tussock grassland on cracking clay.		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS326	27-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	553122	mE	
Northing	7516855	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia exigua</i> , <i>Acacia pruinocarpa</i> over <i>Triodia wiseana</i>		
Notes	On mid slope		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS327	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	527003	mE	
Northing	7533199	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia aptaneura</i> over <i>Triodia epactia</i> and <i>Chrysopogon fallax</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS328	28-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	509523	mE	
Northing	7539959	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> and <i>Corymbia hamersleyana</i> over <i>Acacia inaequilatera</i> , <i>Hakea chordophylla</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i>		
Notes	on alluvial plain		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGS329	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	527005	mE	
Northing	7533280	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia xiphophylla</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS330	28-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	513660	mE	
Northing	7540932	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> and <i>Eucalyptus leucophloia</i> over <i>Acacia inaequilatera</i> , <i>Acacia ancistrocarpa</i> and <i>Senna</i> spp. over <i>Triodia wiseana</i>		
Notes	On medium steep lower slope		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS331	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	527184	mE	
Northing	7533731	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Mixed herb cover		
Notes	Very dry, poor condition		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS332	28-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	520911	mE	
Northing	7539613	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia inaequilatera</i> and <i>Acacia ancistrocarpa</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes	On lower slope, gently inclined		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS333	23-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	528877	mE	
Northing	7534393	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Aristida latifolia</i> , <i>Chrysopogon fallax</i> , <i>Eragrostis xerophila</i> and <i>Astrebla</i> spp. tussock grassland		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS334	29-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	552683	mE	
Northing	7518769	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pyrifolia</i> , <i>Senna glutinosa</i> subsp. <i>glutinosa</i> and <i>Petalostylis labicheoides</i> over <i>Triodia epactia</i>		
Notes	On steep slopes below cliffs		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS335	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	531073	mE	
Northing	7534975	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> and <i>E. camaldulensis</i> over <i>Corymbia hamersleyana</i> over <i>Acacia citrinoviridis</i> over mixed tussock grassland.		
Notes	Some * <i>Vachellia farnesiana</i>		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS336	29-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	553200	mE	
Northing	7518665	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia wiseana</i> and <i>Triodia epactia</i>		
Notes	On low slopes and plains		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS337	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	534141	mE	
Northing	7534806	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia atkinsiana</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS338	29-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	553053	mE	
Northing	7518554	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia monticola</i> over <i>Triodia epactia</i>		
Notes	On hilltops and upper slopes		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS339	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	534147	mE	
Northing	7534307	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus victrix</i> and <i>Eucalyptus camaldulensis</i> over <i>Acacia citrinoviridis</i> and tussock grasses		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS339a	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	542003	mE	
Northing	7519667	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	At this point it changes to <i>Eucalyptus leucophloia</i> and <i>Eucalyptus gamophylla</i> over <i>Triodia wiseana</i>		
Notes	870m asl		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS340	29-08-19	
Described by	Scott Pansini		
Location (UTM)			
Easting	552865	mE	
Northing	7518365	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia hamersleyensis</i> over <i>Triodia wiseana</i>		
Notes	On hilltop		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS341	22-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	535261	mE	
Northing	7533811	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia inaequilatera</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS343	22-08-19	No photo available
Described by	Alice Bott		
Location (UTM)			
Easting	527664	mE	
Northing	7533583	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Biota 2019 mixed herbland.		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS345	26-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	542488	mE	
Northing	7511048	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia wiseana</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS347	26-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	541322	mE	
Northing	7512700	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pruinocarpa</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS349	26-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	541283	mE	
Northing	7512737	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia monticola</i> and <i>Acacia maitlandii</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS351	26-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	541037	mE	
Northing	7512993	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Acacia inaequilatera</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS353	26-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	541225	mE	
Northing	7513032	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia adoxa</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS355	26-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	542840	mE	
Northing	7511931	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Eucalyptus leucophloia scattered low trees over Acacia maitlandii over Triodia wiseana hummock grassland.		
Notes	In Biota H5 polygon which has been very broadly applied. Have not pulled out gullies, cliffs or spurs and have not mapped out sections of unburnt and accessible areas.		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS357	27-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	548494	mE	
Northing	7521331	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	Eucalyptus leucophloia over Acacia bivenosa and Acacia exigua over Triodia wiseana		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS357a	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	542058	mE	
Northing	7519740	mN	
Condition			
Vegetation Condition	0.8		
Vegetation Description	<i>Eucalyptus leucophloia</i> (<i>Acacia pruinocarpa</i>) over <i>Triodia wiseana</i>		
Notes	Some CD		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS359	27-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	548432	mE	
Northing	7521210	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes	Long unburnt area		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS359a	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	541983	mE	
Northing	7519574	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Eucalyptus gamophylla</i> (<i>Acacia pyramidata</i> and <i>Acacia pruinocarpa</i>) over <i>Triodia wiseana</i>		
Notes	Burnt 3		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS361	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	544465	mE	
Northing	7518611	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> and <i>Eucalyptus gamophylla</i> over <i>Acacia monticola</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS361a	27-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	548960	mE	
Northing	7521227	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Eucalyptus gamophylla</i> over <i>Acacia exigua</i> and <i>Acacia kempeana</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS363	27-08-19	<p style="text-align: center;">No photo available</p>
Described by	Alice Bott		
Location (UTM)			
Easting	549004	mE	
Northing	7521538	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Eucalyptus gamophylla</i> over <i>Hakea chordophylla</i> over <i>Triodia wiseana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS363a	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	543195	mE	
Northing	7519038	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> over <i>Triodia brizoides</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS365	27-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	548960	mE	
Northing	7521652	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia bivenosa</i> , <i>Acacia exigua</i> and <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS365a	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	543287	mE	
Northing	7518986	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Eucalyptus gamophylla</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS367	27-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	548528	mE	
Northing	7517464	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Corymbia deserticola</i> over <i>Acacia exigua</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS367a	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	511000	mE	
Northing	7507613	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia inaequilatera</i> over <i>Triodia wiseana</i>		
Notes	Low hills		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS369	27-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	548424	mE	
Northing	7517389	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia brizoides</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS369a	28-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	518223	mE	
Northing	7504930	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Acacia pruinocarpa</i> , <i>Acacia ancistrocarpa</i> and <i>Acacia aptaneura</i> over <i>Triodia epactia</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS371	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	523245	mE	
Northing	7540266	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS373	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	522805	mE	
Northing	7540004	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia wiseana</i> and <i>Triodia epactia</i>		
Notes	Very minor drainage		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS375	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	521918	mE	
Northing	7539228	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Corymbia hamersleyana</i> over <i>Corymbia deserticola</i> over <i>Acacia exigua</i> and <i>Acacia bivenosa</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS377	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	521616	mE	
Northing	7538753	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Corymbia deserticola</i> and <i>Corymbia hamersleyana</i> over <i>Acacia atkinsiana</i> and <i>Acacia exigua</i> over <i>Triodia epactia</i> and tussock grasses		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS379	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	521244	mE	
Northing	7538339	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS381	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	520716	mE	
Northing	7537988	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia monticola</i> , <i>Acacia bivenosa</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> over <i>Triodia epactia</i> and tussock grasses		
Notes	Minor drainage		


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS383	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	520535	mE	
Northing	7537906	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS385	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	520337	mE	
Northing	7537961	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Corymbia deserticola</i> over <i>Acacia atkinsiana</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS387	29-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	520799	mE	
Northing	7538087	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS389	30-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	552033	mE	
Northing	7518113	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Acacia maitlandii</i> , <i>Acacia pyrifolia</i> , <i>Gossypium robinsonii</i> over <i>Triodia epactia</i> and <i>Themeda triandra</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS391	30-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	552038	mE	
Northing	7518411	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Ficus brachypoda</i> over <i>Dodonaea pachyneura</i> over tussock grasses		
Notes			


Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS395	30-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	551994	mE	
Northing	7518649	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pyrifolia</i> , <i>Acacia ayersiana</i> and <i>Acacia aneura</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS397	30-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	552199	mE	
Northing	7518858	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia pyrifolia</i> , <i>Acacia ayersiana</i> and <i>Acacia aneura</i> over <i>Triodia epactia</i> and <i>Triodia wiseana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS401	30-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	552463	mE	
Northing	7519199	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia wiseana</i> and <i>Triodia ?brizoides</i>		
Notes	?Slate hill		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS403	30-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	552652	mE	
Northing	7519614	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> and <i>Corymbia hamersleyana</i> over <i>Triodia longiflora</i> and <i>Triodia wiseana</i>		
Notes			

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBS405	30-08-19	
Described by	Alice Bott		
Location (UTM)			
Easting	552464	mE	
Northing	7518967	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Triodia brizoides</i>		
Notes	Slope		

Site Type	Site Name	Date	Site Photograph
Baseline	mnGBSJT1	26-05-19	
Described by	James Tsakalos		
Location (UTM)			
Easting	510375	mE	
Northing	7507332	mN	
Condition			
Vegetation Condition	1		
Vegetation Description	<i>Eucalyptus leucophloia</i> over <i>Acacia maitlandii</i> over <i>Triodia wiseana</i>		
Notes			

Appendix C Vegetation Structure Classes

Stratum	Canopy Cover (%)				
	70-100%	30-70%	10-30%	2-10%	<2%
Trees over 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 under 10 m	Low closed forest	Low open forest	Low woodland	Low open woodland	Scattered low trees
Shrubs over 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 under 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 / bunch grassland / sedgeland / herbland	Tussock grassland / bunch grassland / sedgeland / herbland	Open tussock grassland / bunch grassland / sedgeland / herbland	Very open tussock grassland / bunch grassland / sedgeland / herbland	Scattered tussock grasses / bunch grasses / sedges / herbs

Based on Muir (1977), and Aplin's (1979) modification of the vegetation classification system of Specht (1970); Aplin T.E.H. (1979). The Flora. Chapter 3 In O'Brien, B.J. (ed.) (1979). Environment and Science. University of Western Australia Press; Muir B.G. (1977). Biological Survey of the Western Australian Wheatbelt. Part II: Vegetation and habitat of Bendering Reserve. Records of the Western Australian Museum, Suppl. No. 3; Specht R.L. (1970). Vegetation. In: The Australian Environment. 4th edn (Ed. G.W. Leeper). Melbourne.

Appendix D Vegetation Condition Scale

Rating	Description
1 - Excellent	Pristine or nearly so; no obvious signs of damage caused by the activities of European man.
0.8 - Very Good	Some relatively slight signs of damage caused by the activities of European man. 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.
0.6 - Very Good	More obvious signs of damage caused by the activities of European man, including some obvious impact on the vegetation structure such as that caused by low levels of grazing or by selective logging. Weeds as above, possibly plus some more aggressive ones such as <i>Cenchrus</i> spp.
0.4 - Poor	Still retains basic vegetation structure or ability to regenerate to it after very obvious impacts of activities of European man, such as grazing, partial clearing (chaining) or frequent fires. Weeds as above, probably plus some more aggressive ones such as <i>Cenchrus</i> spp.
0.2 - Degraded	Severely impacted by grazing, very frequent fires, clearing or a combination of these activities. Scope for some regeneration but not to a state approaching good condition without intensive management. Usually with a number of weed species including very aggressive species.
0.1 - 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.











Based on Trudgen M.E. (1988) and aligning with EPA Technical Guidance (EPA 2016).

Appendix E Consolidated Vegetation Type Mapping













Vegetation of the Greater Brockman Syncline & Nammuldi-Silvergrass Hub

Vegetation Types

Acacia 'aneura' Woodlands and Shrublands

	A1, AanAayTeTw	<i>Acacia 'aneura'</i> and <i>A. ayersiana</i> low woodland over <i>Triodia epactia</i> and <i>T. wiseana</i> open hummock grassland
	A2, AanAprAbAeTe	<i>Acacia 'aneura'</i> scattered low trees to low open woodland over <i>A. pruinocarpa</i> scattered tall shrubs over <i>A. bivenosa</i> and <i>A. exigua</i> open shrubland over <i>Triodia epactia</i> hummock grassland
	A3, AanAprTwTe	<i>Acacia aneura</i> (<i>A. pruinocarpa</i>) low open forest over <i>Triodia epactia</i> hummock
	A4, AanAprTwTe/AxAanTspp	<i>Acacia aneura</i> (<i>A. pruinocarpa</i>) low open forest over <i>Triodia epactia</i> hummock grassland / <i>Acacia xiphophylla</i> , <i>A. aneura</i> low woodland to tall open shrubland over <i>Triodia epactia</i> open hummock grassland
	A5, AanCHF	<i>Acacia 'aneura'</i> low open woodland over <i>Chrysopogon fallax</i> very open tussock
	A6, AanCHfTe	<i>Acacia 'aneura'</i> low woodland over <i>Chrysopogon fallax</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.
	A7, AanExAatAbChfTe	<i>Acacia 'aneura'</i> , <i>Eucalyptus xerothermica</i> open woodland over <i>Acacia atkinsiana</i> , <i>A. bivenosa</i> open shrubland over <i>Chrysopogon fallax</i> open tussock grassland over <i>Triodia epactia</i> hummock grassland
	A8, AanGsTbrTlo	<i>Acacia 'aneura'</i> , <i>Grevillea saxicola</i> low open woodland over <i>Triodia brizoides</i> , <i>T. longiceps</i> very open hummock grassland
	A9, AanTeTw	<i>Acacia 'aneura'</i> low woodland to tall open scrub over <i>Triodia epactia</i> and <i>T. wiseana</i> very open hummock grassland
	A10, AanTspp	<i>Acacia 'aneura'</i> low open forest over <i>Triodia</i> spp. very open hummock grassland and mixed bunch grassland

Vegetation of Creeklines and Floodplains






	C1, EvAciGOsSsAbApyTrfTeCc	<i>Eucalyptus victrix</i> low woodland over <i>Acacia citrinoviridis</i> and <i>Gossypium robinsonii</i> tall shrubland over <i>Stylobasium spathulatum</i> , <i>A. bivenosa</i> and <i>A. pyrifolia</i> scattered shrubs to open shrubland over <i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186) low open shrubland over <i>Triodia epactia</i> very open hummock grassland and * <i>Cenchrus ciliaris</i> (<i>Themeda triandra</i>) tussock grassland
	C2, ExAciAlHTe	<i>Eucalyptus xerothermica</i> scattered low trees over <i>Acacia citrinoviridis</i> tall shrubland to tall open scrub over <i>Androcalva luteiflora</i> , (<i>Acacia maitlandii</i>) open shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.
	C3, EcGOsSsANITERHTe	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> (<i>E. victrix</i>) scattered trees to open woodland over <i>Gossypium robinsonii</i> (<i>Acacia citrinoviridis</i> , <i>A. coriacea</i> subsp. <i>pendens</i> , <i>Melaleuca glomerata</i>) tall shrubland over <i>Stylobasium spathulatum</i> , <i>Androcalva luteiflora</i> shrubland over <i>Tephrosia rosea</i> var. Fortescue creeks (M.I.H. Brooker 2186), (<i>Corchorus crozophorifolius</i>) low open shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland
	C4, EcMgCYPv	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> woodland to open forest over <i>Melaleuca glomerata</i> (<i>Melaleuca bracteata</i>) tall shrubland to tall open scrub over <i>Cyperus vaginatus</i> scattered sedges
	C5, EvAciTeCc	<i>Eucalyptus victrix</i> scattered trees over <i>Acacia citrinoviridis</i> tall shrubland over <i>Triodia epactia</i> open hummock grassland and/or * <i>Cenchrus ciliaris</i> open tussock grassland
	C6, EvEcChAcEUa	<i>Eucalyptus victrix</i> and <i>E. camaldulensis</i> subsp. <i>refulgens</i> woodland over <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia citrinoviridis</i> (* <i>Vachellia farnesiana</i>) tall open scrub over <i>Eulalia aurea</i> , (<i>Themeda triandra</i> , <i>Enteropogon ramosus</i> , <i>Dichanthium fecundum</i> , <i>Bothriochloa ewartiana</i>) open tussock grassland.
	C7, AciAbTe	<i>Acacia citrinoviridis</i> , (<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>) low open woodland over <i>A. bivenosa</i> tall shrubland over <i>Triodia epactia</i> open hummock grassland
	C8, AciAtuAbTe	<i>Acacia citrinoviridis</i> , (<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>) low open woodland over <i>A. tumida</i> var. <i>pilbarensis</i> , <i>A. bivenosa</i> tall shrubland over <i>Triodia epactia</i> open hummock grassland
	C9, CdEgAatAeTw	<i>Corymbia deserticola</i> subsp. <i>deserticola</i> low open woodland over <i>Eucalyptus gamophylla</i> low open mallee woodland over <i>Acacia atkinsiana</i> (<i>A. exigua</i>) tall open shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> hummock grassland
	C10, ChAciGOsSsVfCcTHt	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia citrinoviridis</i> high shrubland over <i>Gossypium sturtianum</i> , <i>Stylobasium spathulatum</i> and * <i>Vachellia farnesiana</i> open shrubland over * <i>Cenchrus ciliaris</i> and <i>Themeda triandra</i> open tussock grassland to tussock
	C11, ChAncAmonAbAciSaoTeTHtERmCc	<i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia ancistrocarpa</i> , <i>A. monticola</i> , <i>A. bivenosa</i> and <i>A. citrinoviridis</i> tall open scrub over <i>Senna artemisioides</i> subsp. <i>oligophylla</i> scattered shrubs over <i>Triodia epactia</i> open hummock grassland to hummock grassland
	C12, ChAncAmonAbAciSaoTeTHtERmCc/Tw	<i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia ancistrocarpa</i> , <i>A. monticola</i> , <i>A. bivenosa</i> and <i>A. citrinoviridis</i> tall open scrub over <i>Senna artemisioides</i> subsp. <i>oligophylla</i> scattered shrubs over <i>Triodia epactia</i> open hummock grassland to hummock grassland / <i>Triodia wiseana</i> hummock grassland

Vegetation of the Greater Brockman Syncline & Nammuldi-Silvergrass Hub

Vegetation of Creeklines and Floodplains (continued)

 C13, ChAtuGOrApyCOcPoTrFTHtTe	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Gossypium robinsonii</i> tall open shrubland over <i>A. pyrifolia</i> open shrubland over <i>Corchorus crozophorifolius</i> , <i>Ptilotus obovatus</i> , <i>Tephrosia rosea</i> var. <i>Fortescue</i> creeks (M.I.H. Brooker 2186) low open shrubland over <i>Themeda triandra</i> , (* <i>Cenchrus ciliaris</i>) very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.
 C14, ChEIAITrFtEUaThTcC	<i>Corymbia hamersleyana</i> low open woodland to low woodland over <i>Eremophila longifolia</i> and <i>Androcalva luteiflora</i> open shrubland over <i>Tephrosia rosea</i> var. <i>Fortescue</i> creeks (M.I.H. Brooker 2186) (<i>Acacia pyrifolia</i> , <i>Senna artemisioides</i> subsp. <i>oligophylla</i> and <i>Ptilotus obovatus</i> subsp. <i>obovatus</i>) low open shrubland to low over <i>Triodia epactia</i> very open hummock grassland and <i>Eulalia aurea</i> , <i>Themeda triandra</i> and * <i>Cenchrus ciliaris</i> (<i>Chrysopogon fallax</i> , <i>Cymbopogon ambiguus</i> and <i>Enneapogon robustissimus</i>) tussock grassland
 C15, ChEIGwGOrTsMBEUaPmTe	<i>Corymbia hamersleyana</i> and <i>Eucalyptus leucophloia</i> low woodland over <i>Grevillea wickhamii</i> tall shrubland over <i>Gossypium robinsonii</i> open shrubland over <i>Themeda</i> sp. Mt. Barricade, <i>Eulalia aurea</i> and <i>Paraneurachne muelleri</i> open tussock grassland or <i>Triodia epactia</i> hummock grassland
 C16, EcExAciAanTe	<i>Eucalyptus camaldulensis</i> and <i>E. xerothermica</i> low woodland over <i>Acacia citrinoviridis</i> and <i>Acacia 'aneura'</i> tall open shrubland over mixed tussock grassland and <i>Triodia epactia</i> very open hummock grassland
 C17, EgAaAkTeTw	<i>Eucalyptus gamophylla</i> scattered mallees over <i>Acacia atkinsiana</i> and <i>A. kempeana</i> scattered high shrubs to high open shrubland over <i>Triodia epactia</i> and <i>Triodia wiseana</i> open hummock grassland to hummock grassland
 C18, EIAciAbAmonTeTHt	<i>Eucalyptus leucophloia</i> low open woodland over <i>Acacia citrinoviridis</i> , <i>A. bivenosa</i> and <i>A. monticola</i> high shrubland over <i>Triodia epactia</i> open hummock grassland and <i>Themeda triandra</i> very open tussock grassland
 C19, EICHApYAmaiTeTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> low open woodland over <i>Acacia pyrifolia</i> , <i>A. inaequilatera</i> and <i>A. maitlandii</i> tall open shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> hummock grassland.
 C20, EICHGOrApyTHtTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> scattered low trees over <i>Gossypium robinsonii</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> open shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland.
 C21, EIMeTaTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Melaleuca eleuterostachya</i> open shrubland over <i>Triodia angusta</i> and <i>T. wiseana</i> open hummock grassland
 C22, EvAciAtuApyTHtTe	<i>Eucalyptus victrix</i> open woodland over <i>Acacia citrinoviridis</i> scattered low trees over <i>Acacia tumida</i> , <i>A. bivenosa</i> and <i>A. pyrifolia</i> tall open shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> very open hummock grassland
 C23, ExAciSsAbEITe	<i>Eucalyptus xerothermica</i> scattered low trees over <i>Acacia citrinoviridis</i> , <i>Stylobasium spathulatum</i> and <i>Acacia bivenosa</i> high shrubland over <i>Eremophila longifolia</i> open shrubland over <i>Triodia epactia</i> (<i>Triodia angusta</i>) hummock grassland
 C24, ExAciTeCc	<i>Eucalyptus xerothermica</i> open woodland over <i>Acacia citrinoviridis</i> low woodland over <i>Triodia epactia</i> very open hummock grassland with * <i>Cenchrus ciliaris</i> , <i>Themeda triandra</i> tussock grassland
 C25, ExChAbAcAelaAeTeEUa	<i>Eucalyptus xerothermica</i> and <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia bivenosa</i> , <i>A. cowleana</i> , <i>A. elachantha</i> and <i>A. exigua</i> high shrubland over <i>Triodia epactia</i> hummock grassland and <i>Eulalia aurea</i> open tussock grassland
 C26, ExChAsppGgTe	<i>Eucalyptus xerothermica</i> and/or <i>Corymbia hamersleyana</i> low open woodland over <i>Acacia</i> spp., <i>Gastrobium grandiflorum</i> open shrubland over <i>Triodia epactia</i> , (<i>T. wiseana</i>) open hummock grassland.
 C27, ExEvMgAciAcpAbTaTeThTcC	<i>Eucalyptus xerothermica</i> and <i>Eucalyptus victrix</i> low open woodland to low woodland over <i>Melaleuca glomerata</i> , <i>Acacia citrinoviridis</i> , <i>A. coriacea</i> subsp. <i>pendens</i> and <i>A. bivenosa</i> tall shrubland over <i>Triodia angusta</i> and <i>Triodia epactia</i> very open hummock grassland and <i>Themeda triandra</i> and * <i>Cenchrus ciliaris</i> very open tussock grassland
 C28, EcFgFbTYdPLr	<i>Eucalyptus camaldulensis</i> subsp. <i>refulgens</i> open woodland over <i>Ficus geniculata</i> var. <i>insignis</i> , (<i>F. brachypoda</i>) low open woodland over <i>Typha domingensis</i> very open sedgeland with <i>Pluchea rubelliflora</i> scattered low shrubs.

Vegetation of Hills

 H1, ChAiAbTw	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia inaequilatera</i> and <i>A. bivenosa</i> open shrubland over <i>Triodia wiseana</i> hummock grassland
 H2, EIAbMeTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> scattered tall shrubs over <i>Melaleuca eleuterostachya</i> over <i>Triodia wiseana</i> hummock grassland
 H3, EIAeTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia exigua</i> open shrubland over <i>Triodia wiseana</i> open hummock grassland
 H4, EITbr	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia brizoides</i> open hummock grassland
 H5, EITe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Triodia epactia</i> open hummock grassland








Vegetation of the Greater Brockman Syncline & Nammuldi-Silvergrass Hub

Vegetation of Hills (continued)





	H6, EsTw	<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i> low open mallee over <i>Triodia wiseana</i> open hummock grassland
	H7, AapAciTeTw	<i>Acacia 'aneura'</i> and <i>A. citrinoviridis</i> tall shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> open hummock grassland
	H8, AbAexAaTw	<i>Acacia bivenosa</i> , <i>A. exigua</i> and <i>A. ancistrocarpa</i> tall open shrubland over <i>Triodia wiseana</i> hummock grassland
	H9, AiTbr	<i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia brizoides</i> hummock
	H10, AiTw	<i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia wiseana</i> hummock
	H11, EIAaAkApTbTeTw	<i>Eucalyptus leucophloia</i> (<i>Corymbia hamersleyana</i>) low open woodland over <i>Acacia atkinsiana</i> , <i>A. kempeana</i> and <i>A. pruinocarpa</i> shrubland over <i>Triodia brizoides</i> , <i>Triodia epactia</i> and <i>Triodia wiseana</i> hummock grassland
	H13, EIAaAcAprAmarTwTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia atkinsiana</i> , <i>A. citrinoviridis</i> and <i>A. pruinocarpa</i> open shrubland over <i>A. marramamba</i> open shrubland over <i>Triodia wiseana</i> and <i>Triodia epactia</i> hummock grassland
	H14, EIAaAkAprTbrTeTw	<i>Eucalyptus leucophloia</i> (<i>Corymbia hamersleyana</i>) low open woodland over <i>Acacia atkinsiana</i> , <i>A. kempeana</i> and <i>A. pruinocarpa</i> shrubland over <i>Triodia brizoides</i> , <i>Triodia epactia</i> and <i>Triodia wiseana</i> hummock grassland
	H15, EIAaTeTw/EIAbAaTePm	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia atkinsiana</i> scattered shrubs over <i>Acacia bivenosa</i> and <i>Acacia atkinsiana</i> high shrubland over <i>Triodia epactia</i> (<i>Triodia wiseana</i>) open hummock grassland / <i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> and <i>Acacia atkinsiana</i> high shrubland over <i>Triodia epactia</i> open hummock grassland and <i>Paraneurachne muelleri</i> very open tussock grassland.
	H16, EIAbAeTaTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> scattered tall shrubs over <i>A. exilis</i> open shrubland over <i>Triodia angusta</i> , <i>T. wiseana</i> open hummock grassland
	H17, EIAbTbr	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> open shrubland over <i>Triodia brizoides</i> hummock grassland
	H18, EIAbTbrTeTHsMBCa	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia bivenosa</i> open shrubland over <i>Triodia brizoides</i> and <i>T. epactia</i> hummock grassland with <i>Themeda</i> sp. Mt. Barricade (M.E. Trudgen 2471) and <i>Cymbopogon ambiguus</i> open tussock grassland
	H19, EIAbTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> shrubland over <i>Triodia epactia</i> hummock grassland
	H20, EIAbTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> tall shrubland over <i>Triodia wiseana</i> hummock grassland
	H21, EIAeTI	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia exigua</i> shrubland over <i>Triodia longiceps</i> tall hummock grassland
	H22, EIAhTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia hamersleyensis</i> tall shrubland over <i>Triodia wiseana</i> hummock grassland
	H23, EIAiTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia wiseana</i> hummock grassland
	H24, EIAmaiAaTeTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia maitlandii</i> , <i>A. atkinsiana</i> , <i>A. exigua</i> open shrubland over <i>Triodia wiseana</i> hummock grassland
	H25, EIAmaiAhiTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , (<i>Corymbia hamersleyana</i>) low open woodland over <i>Acacia maitlandii</i> open shrubland over <i>A. hilliana</i> low open shrubland over <i>Triodia wiseana</i> hummock grassland.
	H26, EIAmTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia maitlandii</i> shrubland over <i>Triodia wiseana</i> open hummock grassland
	H27, EIAmTwTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia maitlandii</i> open shrubland over <i>Triodia wiseana</i> and/or <i>T. epactia</i> open hummock grassland.
	H28, EIAprAciTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia pruinocarpa</i> , <i>A. citrinoviridis</i> tall open shrubland over <i>Triodia epactia</i> open hummock grassland
	H29, EIAprTwTe	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia pruinocarpa</i> (<i>Acacia atkinsiana</i>) tall open shrubland over <i>Triodia wiseana</i> and <i>Triodia epactia</i> hummock grassland
	H30, EIAsyAbSEnspTbr	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia synchronicia</i> , <i>A. bivenosa</i> , <i>Senna</i> spp. scattered shrubs over <i>Triodia brizoides</i> open hummock grassland
	H31, EICHAprAmAiERmTHsMBPm	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and/or <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia pruinocarpa</i> high open shrubland over <i>Acacia maitlandii</i> low open shrubland over <i>Triodia wiseana</i> very open hummock grassland and <i>Eriachne mucronata</i> , <i>Themeda</i> ?sp. Mt Barricade and <i>Paraneurachne muelleri</i> very open tussock grassland to open tussock grassland

Vegetation of the Greater Brockman Syncline & Nammuldi-Silvergrass Hub













Vegetation of Hills (continued)

 H32, EIEgAbTwTbr	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>E. gamophylla</i> low open mallee woodland over <i>Acacia bivenosa</i> scattered shrubs over <i>Triodia wiseana</i> and <i>T. brizoides</i> open hummock grassland.
 H33, EIEgAmaiTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>E. gamophylla</i> low open mallee woodland over <i>Acacia maitlandii</i> open shrubland over <i>Triodia wiseana</i> hummock grassland
 H34, Tw	<i>Triodia wiseana</i> hummock grassland
 H35, EITbr/EITe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia brizoides</i> open hummock grassland / <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Triodia epactia</i> open hummock grassland
 H36, EITe/EITw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Triodia epactia</i> open hummock grassland / <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia wiseana</i> open hummock grassland
 H37, EITITw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia longiceps</i> and <i>Triodia wiseana</i> (<i>Triodia epactia</i>) hummock grassland
 H38, EITw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Triodia wiseana</i> open hummock grassland

Vegetation of Gorges, Gullies and Free Faces

 G1, CfAanAciPROaPTToCYaTHtARb	<i>Corymbia ferritcola</i> and <i>Acacia 'aneura'</i> woodland over <i>A. citrinoviridis</i> tall shrubland over <i>Eremophila latrobei</i> subsp. <i>latrobei</i> , <i>Santalum lanceolatum</i> and <i>Dodonaea pachyneura</i> (<i>Gossypium robinsonii</i>) tall open shrubland over <i>Prostanthera albiflora</i> and <i>Ptilotus obovatus</i> subsp. <i>obovatus</i> , (<i>Corchorus crozophorifolius</i>) low shrubland over <i>Cymbopogon ambiguus</i> (<i>Themeda triandra</i> and <i>Aristida burbridgeae</i>) open tussock grassland
 G2, ChAsppTHtTeTw	<i>Corymbia hamersleyana</i> low open woodland over <i>Acacia</i> spp. tall shrubland over <i>Themeda triandra</i> very open tussock grassland over <i>Triodia epactia</i> and <i>T. wiseana</i> open hummock grassland
 G3, EICfAprAanDpERImTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Corymbia ferritcola</i> , <i>Acacia pruinocarpa</i> and <i>A. 'aneura'</i> low open woodland over <i>Dodonaea pachyneura</i> scattered tall shrubs over <i>Eriachne mucronata</i> open tussock grassland over <i>Triodia epactia</i> very open hummock grassland
 G4, EICfAciAanGbDpTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Corymbia ferritcola</i> , <i>Acacia citrinoviridis</i> , <i>A. aptaneura</i> , (<i>Grevillea berryana</i>) low woodland over <i>Dodonaea pachyneura</i> tall open shrubland over <i>Triodia epactia</i> very open hummock grassland

Vegetation of Plains and Broad Valleys


 P1, EICHAtuPITe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> and <i>Corymbia hamersleyana</i> scattered low trees over <i>Acacia tumida</i> var. <i>pilbarensis</i> and <i>Petalostylis labicheoides</i> tall open scrub over <i>Triodia epactia</i> open hummock grassland
 P2, EIMeTaTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Melaleuca eleuterostachya</i> open shrubland over <i>Triodia angusta</i> and <i>T. wiseana</i> open hummock grassland
 P3, AaAbTITe	<i>Acacia ancistrocarpa</i> and <i>A. bivenosa</i> shrubland to open heath over <i>Triodia longiceps</i> hummock grassland
 P4, ElAaAkApTbTeTw	<i>Eucalyptus leucophloia</i> (<i>Corymbia hamersleyana</i>) low open woodland over <i>Acacia atkinsiana</i> , <i>A. kempeana</i> and <i>A. pruinocarpa</i> shrubland over <i>Triodia brizoides</i> , <i>Triodia epactia</i> and <i>Triodia wiseana</i> hummock grassland
 P5, ElAatTeTw/ElAbAatTePm	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia atkinsiana</i> scattered shrubs over <i>Acacia bivenosa</i> and <i>Acacia atkinsiana</i> high shrubland over <i>Triodia epactia</i> (<i>Triodia wiseana</i>) open hummock grassland / <i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> and <i>Acacia atkinsiana</i> high shrubland over <i>Triodia epactia</i> open hummock grassland and <i>Paraneurachne muelleri</i> very open tussock grassland.
 P6, ElAbAeTaTw	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia bivenosa</i> scattered tall shrubs over <i>A. exilis</i> open shrubland over <i>Triodia angusta</i> , <i>T. wiseana</i> open hummock grassland
 P7, AxAanTssp	<i>Acacia xiphophylla</i> (<i>A. 'aneura'</i>) tall shrubland over <i>Triodia</i> spp. very open hummock
 P8, AxERmaSEnSpp	<i>Acacia xiphophylla</i> scattered shrubs to open shrubland over <i>Eremophila maculata</i> subsp. <i>brevifolia</i> and <i>Senna</i> spp. low shrubland over mixed bunch grasses and herbs.
 P9, AxSifSEnSppTI	<i>Acacia xiphophylla</i> tall shrubland over <i>Sida fibulifera</i> , (<i>Senna artemisioides</i> subsp. <i>oligophylla</i> x subsp. <i>helmsii</i> , <i>Senna</i> sp. Karijini (M.E. Trudgen 10392)) low shrubland over <i>Triodia longiceps</i> scattered hummock grasses
 P10, CdExAanAatAbTeTHt	<i>Corymbia deserticola</i> subsp. <i>deserticola</i> and <i>Eucalyptus xerothermica</i> scattered mallees over <i>Acacia 'aneura'</i> , <i>A. atkinsiana</i> and <i>A. bivenosa</i> high shrubland over <i>Triodia epactia</i> open hummock grassland and <i>Themeda triandra</i> very open tussock grassland
 P11, ChElIAbAsynAancTw	<i>Corymbia hamersleyana</i> and <i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> open woodland over <i>Acacia bivenosa</i> , <i>A. synchronica</i> and <i>A. ancistrocarpa</i> scattered tall shrubs to high open shrubland over <i>Triodia wiseana</i> open hummock grassland
 P12, EgAatAbAeTeTw	<i>Eucalyptus gamophylla</i> scattered mallees over <i>Acacia atkinsiana</i> , <i>A. bivenosa</i> and <i>A. exigua</i> tall open shrubland over <i>Triodia epactia</i> and <i>T. wiseana</i> hummock grassland

Vegetation of the Greater Brockman Syncline & Nammuldi-Silvergrass Hub

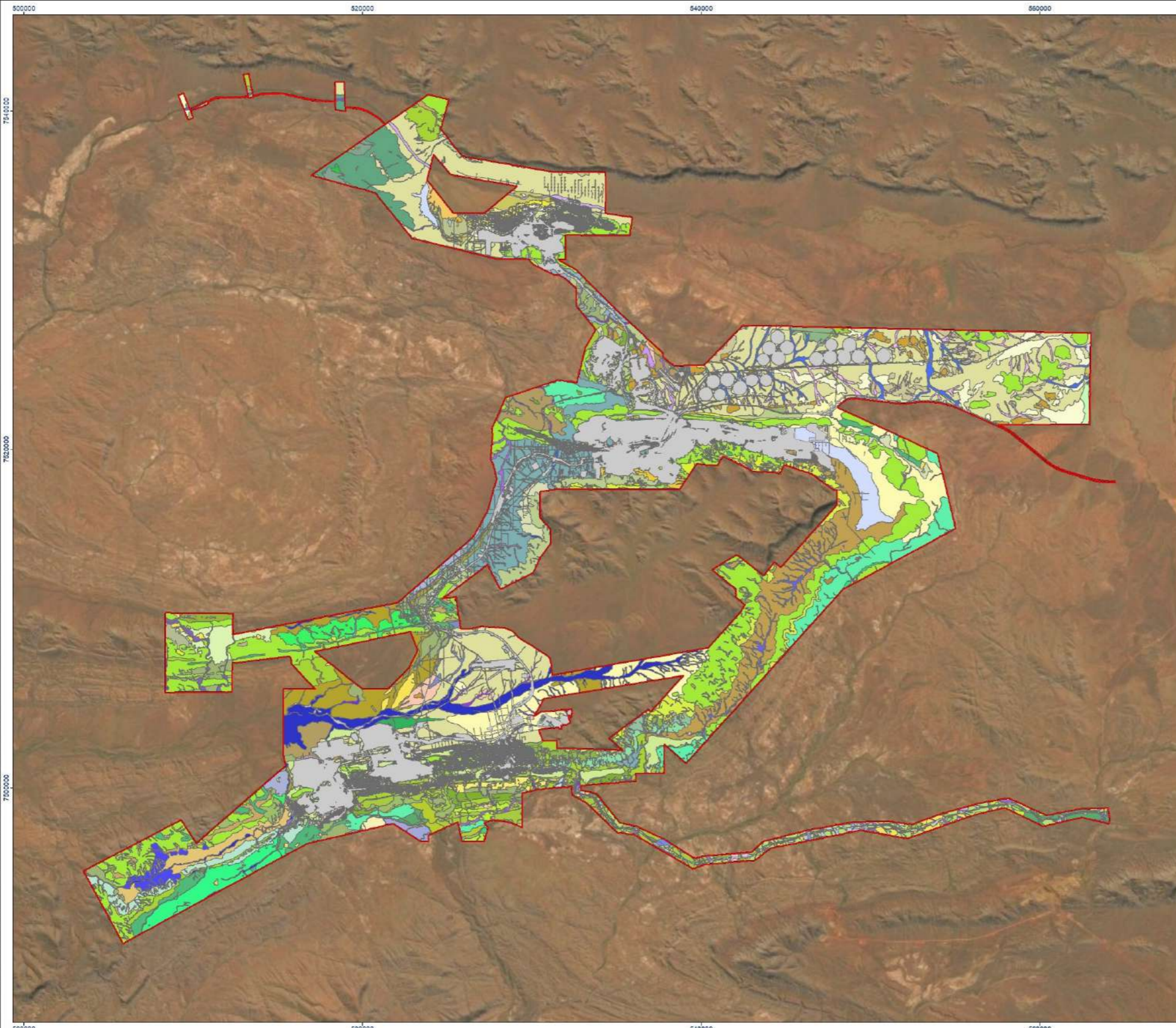
Vegetation of Plains and Broad Valleys (continued)

	P13, ElAeTi	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia exigua</i> shrubland over <i>Triodia longiceps</i> tall hummock grassland
	P14, ElAtAbAsyAtenTbas	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia tetragonophylla</i> , <i>A. bivenosa</i> , <i>A. synchronicia</i> and <i>A. tenuissima</i> open shrubland over <i>Triodia basedowii</i> hummock grassland with mixed herbs
	P15, ElAxAsiAtMeTa	<i>Eucalyptus leucophloia</i> scattered low trees over <i>Acacia xiphophylla</i> , <i>A. sibirica</i> , <i>A. tetragonophylla</i> , <i>Melaleuca eleuterostachya</i> scattered shrubs over <i>Triodia angusta</i> hummock grassland
	P16, ElCdEgAatAeTwTe	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> , <i>Corymbia deserticola</i> subsp. <i>deserticola</i> scattered low trees over <i>E. gamophylla</i> scattered low mallees over <i>Acacia atkinsiana</i> and <i>A. exigua</i> tall open shrubland over <i>Triodia wiseana</i> and/or <i>T. epactia</i> hummock grassland.
	P17, ElEgAatAeAbTeTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> (<i>Corymbia deserticola</i> subsp. <i>deserticola</i> and <i>C. hamersleyana</i>) scattered low trees and/or <i>E. gamophylla</i> scattered low mallees over <i>Acacia atkinsiana</i> , <i>A. exigua</i> , <i>A. bivenosa</i> shrubland over <i>Triodia epactia</i> and/or <i>T. wiseana</i> hummock grassland.
	P18, ElAsyAbSENsppTbr	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Acacia synchronicia</i> , <i>A. bivenosa</i> , <i>Senna</i> spp. scattered shrubs over <i>Triodia brizoides</i> open hummock grassland
	P19, ElEsAbTw	<i>Eucalyptus socialis</i> subsp. <i>eucentrica</i> low open mallee woodland to low mallee woodland over <i>Acacia bivenosa</i> scattered shrubs over <i>Triodia wiseana</i> open hummock grassland
	P20, ElEsMeAeTITw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>E. socialis</i> subsp. <i>eucentrica</i> very open mallee over <i>Melaleuca eleuterostachya</i> and <i>Acacia exigua</i> shrubland over <i>Triodia longiceps</i> and <i>T. wiseana</i> hummock grassland
	P21, ExEsAbAsyTw	<i>Eucalyptus xerothermica</i> and <i>E. socialis</i> subsp. <i>eucentrica</i> low open mallee woodland over <i>Acacia bivenosa</i> and <i>A. synchronicia</i> tall open shrubland over <i>Triodia wiseana</i> low hummock grassland
	P22, VfsSENsppCHF	* <i>Vachellia farnesiana</i> scattered tall shrubs over <i>Sida fibulifera</i> , <i>Senna</i> spp. low open shrubland with <i>Chrysopogon fallax</i> scattered tussock grasses
	P23, ElAeAsiTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia exigua</i> , <i>A. sibirica</i> scattered tall shrubs to tall open shrubland over <i>Triodia wiseana</i> hummock grassland
	P24, CdEgAeAatTeTe	<i>Corymbia deserticola</i> subsp. <i>deserticola</i> scattered low trees to low open woodland over <i>Eucalyptus gamophylla</i> low open mallee woodland over <i>Acacia exigua</i> and <i>A. atkinsiana</i> (<i>A. kempeana</i>) tall open shrubland over <i>Triodia wiseana</i> and <i>T. epactia</i> open hummock grassland
	P25, ElAbCAPuTsp	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> low open woodland over <i>Acacia bivenosa</i> scattered tall shrubs over <i>Capparis umbonata</i> scattered shrubs over <i>Triodia epactia</i> open hummock grassland.
	P26, ElGsGOOsTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Grevillea saxicola</i> scattered tall shrubs over <i>Triodia wiseana</i> very open hummock grassland and <i>Goodenia stobbsiana</i> very open hermland.
	P27, ARICHERAxASe	<i>Aristida latifolia</i> and <i>Chrysopogon fallax</i> (<i>Eragrostis xerophila</i> and <i>Astrebla elymoides</i>) tussock grassland
	P28, CHfTHsASspp./ARIASeCHF	<i>Chrysopogon fallax</i> and <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) (<i>Astrebla</i> spp.) open tussock grassland / <i>Aristida latifolia</i> (<i>Astrebla elymoides</i> and <i>Chrysopogon fallax</i>) tussock grassland.
	P29, CHfTHsASspp./ASIASp/ARIASeCHF	<i>Chrysopogon fallax</i> and <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) (<i>Astrebla</i> spp.) open tussock grassland / <i>Astrebla lappacea</i> and <i>Astrebla pectinata</i> tussock grassland / <i>Aristida latifolia</i> (<i>Astrebla elymoides</i> and <i>Chrysopogon fallax</i>) tussock grassland.
	P30, ERb	<i>Eriachne benthamii</i> tussock grassland
	P31, ASe	<i>Astrebla elymoides</i> tussock grassland
	P32, ASe/ASIASp	<i>Astrebla elymoides</i> tussock grassland / <i>Astrebla lappacea</i> and <i>A. pectinata</i> tussock
	P33, ASIAsp	<i>Astrebla lappacea</i> and <i>A. pectinata</i> tussock grassland.
	P34, AvVFTHsCHF	<i>Acacia victoriae</i> and * <i>Vachellia farnesiana</i> tall open shrubland over <i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) and <i>Chrysopogon fallax</i> open tussock grassland.
	P35, Herb	Mixed hermland
	P36, THs	<i>Themeda</i> sp. Hamersley Station (M.E. Trudgen 11431) tussock
	P37, ElExAiTw	<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i> scattered low trees over <i>Eucalyptus xerothermica</i> scattered low mallees to low open mallee woodland over <i>Acacia inaequilatera</i> scattered tall shrubs over <i>Triodia wiseana</i> open hummock grassland
	Disturbed	Completely degraded

Other Vegetation Types

 Disturbed Completely degraded

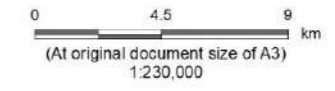
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Title
Vegetation Types of the Consolidation Area

Client/Project 300003015-9002 REV8
Rio Tinto Iron Ore
Greater Brockman and Nammuldi-Silvergrass Hub
Consolidated Vegetation Type and Vegetation Condition Mapping

Project Location Prepared by DK on 2021-01-20
Stantec Australia Pty Ltd TR by DR on 2021-01-21
Perth, Western Australia IR by PB on 2021-01-21



Consolidation Area






Notes
1. Coordinate System: GDA 1994 MGA Zone 50
2. Based on information provided by and with the permission of the Western Australian Land Information Authority (using as of 2021)
3. Background: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community











Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

Appendix F Representative Photographs

	
<p>Plate App-F.1 AanAayTeTw</p>	<p>Plate App-F.2 AanAprAbAeTe</p>
<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.3 AanAprTwTe</p>	<p>Plate App-F.4 AanCHf</p>
	<p>Photo not provided</p>
<p>Plate App-F.5 AanCHfTe</p>	<p>Plate App-F.6 AanExAatAbCHfTe</p>
	<p>Photo not provided</p>
<p>Plate App-F.7 AanGsTbrTlo</p>	<p>Plate App-F.8 AanTeTw</p>

<p>Photo not provided</p>	
<p>Plate App-F.9 AanTspp</p>	<p>Plate App-F.10 EvAciGORsAbApyTrfTeCc</p>
	
<p>Plate App-F.11 ExAciAlTHtTe</p>	<p>Plate App-F.12 EcGORsSANITErTHtTe</p>
	<p>Photo not provided</p>
<p>Plate App-F.13 EcMgCYPv</p>	<p>Plate App-F.14 EvAciTeCc</p>
	
<p>Plate App-F.15 EvEcChAceUa</p>	<p>Plate App-F.16 ElAbTe</p>

<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.17 AciAbTe</p>	<p>Plate App-F.18 AciAtuAbTe</p>
	
<p>Plate App-F.19 CdEgAatAeTw</p>	<p>Plate App-F.20 ChAciGOsSsVfCcTHt</p>
	
<p>Plate App-F.21 ChAncAmonAbAciSaoTeTHfERmCc (mosaic with Tw)</p>	<p>Plate App-F.22 ChAtuGOrApyCOcPoTrFTHtTe</p>
	<p>Photo not provided</p>
<p>Plate App-F.23 ChElAIrTeEUaTHtCc</p>	<p>Plate App-F.24 ChElGwGOrTsMBEUaPmTe</p>

<p>Photo not provided</p>	
<p>Plate App-F.25 EcExAciAanTe</p>	<p>Plate App-F.26 EgAaAkTeTw</p>
	<p>Photo not provided</p>
<p>Plate App-F.27 EIACiAbAmonTeTHt</p>	<p>Plate App-F.28 EIChApyAiAmaiTeTw</p>
<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.29 EIChGORApyTHtTe</p>	<p>Plate App-F.30 EvAciAtuApyTHtTe</p>
	<p>Photo not provided</p>
<p>Plate App-F.31 ExAciSsAbElTe</p>	<p>Plate App-F.32 ExAciTeCc</p>

<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.33 ExChAbAcAelaAeTeEUa</p>	<p>Plate App-F.34 ExChAsppGgTe</p>
	
<p>Plate App-F.35 ExEvMgAciAcpAbTaTeTHtCc</p>	<p>Plate App-F.36 EcFgFbTYdPLr</p>
<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.37 AancAciTe</p>	<p>Plate App-F.38 ElAmonAmaiAatTeTw</p>
	<p>Photo not provided</p>
<p>Plate App-F.39 ChAiAbTw</p>	<p>Plate App-F.40 EITaTI</p>



Plate App-F.41 ElAbMeTw



Plate App-F.42 ElAeTw



Plate App-F.43 ElTbr (mosaic with ElTe)



Plate App-F.44 ElTe (mosaic with ElTbr and ElTw)



Plate App-F.45 EsTw



Plate App-F.46 AapAciTeTw



Plate App-F.47 AbAexAaTw



Plate App-F.48 AiTbr






	
<p>Plate App-F.49 AiTw</p>	<p>Plate App-F.50 (Not Applicable)</p>
	
<p>Plate App-F.51 ElAatAciAprAmarTwTe</p>	<p>Plate App-F.52 ElAatAkAprTbrTeTw</p>
	<p>Photo not provided</p>
<p>Plate App-F.53 ElAbTbr</p>	<p>Plate App-F.54 ElAbTbrTeTHsMBCa</p>
<p>Photo not provided</p>	
<p>Plate App-F.55 ElAbTw</p>	<p>Plate App-F.56 ElAhTw</p>



Plate App-F.5 ElAiTw



Plate App-F.58 ElAmAiAatAeTw



Plate App-F.59 ElAmAiAhiTw



Plate App-F.60 ElAmTw



Plate App-F.61 ElAmTwTe

Photo not provided



Plate App-F.62 ElAprAciTe

Photo not provided













Plate App-F.63 ElAprTwTe

Plate App-F.64 ElChAprAmAiERmTHsMBPm

	
<p>Plate App-F.65 ElEgAbTwTbr</p>	<p>Plate App-F.66 ElEgAmaiTw</p>
	
<p>Plate App-F.67 ElTbr (mosaic with ElTe)</p>	<p>Plate App-F.68 ElITw</p>
	<p>Photo not provided</p>
<p>Plate App-F.69 ElTw (mosaic with ElTe)</p>	<p>Plate App-F.70 ElTwTbas</p>
	
<p>Plate App-F.71 Tss</p>	<p>Plate App-F.72 Tw</p>

	<p>Photo not provided</p>
<p>Plate App-F.73 AcAbTw</p>	<p>Plate App-F.74 AsiEeTe</p>
	
<p>Plate App-F.75 ElEpTspp</p>	<p>Plate App-F.76 ASe (mosaic with ASIASp)</p>
	
<p>Plate App-F.77 ASIASp (mosaic with ASe)</p>	<p>Plate App-F.78 AvVfTHsCHf</p>
	
<p>Plate App-F.79 Herb</p>	<p>Plate App-F.80 THs</p>

	
<p>Plate App-F.81 EcGOsSsANITeRThfTe</p>	<p>Plate App-F.82 ElChAtuPiTe</p>
	
<p>Plate App-F.83 ElAaAkApTbTeTw</p>	<p>Plate App-F.84 ElAatTeTw (mosaic with ElAbAatTePm)</p>
	<p>Photo not provided</p>
<p>Plate App-F.85 ElAbAatTePm (mosaic with ElAatTeTw)</p>	<p>Plate App-F.86 ElAbAeTaTw</p>
<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.87 ElAeTl</p>	<p>Plate App-F.88 ElAsyAbSEnsppTbr</p>

	<p>Photo not provided</p>
<p>Plate App-F.89 EExAiTw</p>	<p>Plate App-F.90 EIMeTaTw</p>
<p>Photo not provided</p>	
<p>Plate App-F.91 AaAbTlTe</p>	<p>Plate App-F.92 AxAanTspp (mosaic with AanAprTwTe)</p>
	
<p>Plate App-F.93 AxERmaSEnspp</p>	<p>Plate App-F.94 AxSlfSEnsppTl</p>
	<p>Photo not provided</p>
<p>Plate App-F.95 CdExAanAatAbTeTht</p>	<p>Plate App-F.96 ChElAbAsynAancTw</p>




<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.97 EgAatAbAeTeTw</p>	<p>Plate App-F.98 EIAtAbAsyAtenTbas</p>
<p>Photo not provided</p>	
<p>Plate App-F.99 ElAxAsiAtMeTa</p>	<p>Plate App-F.100 ElCdEgAatAeTwTe</p>
	
<p>Plate App-F.101 ElEgAatAeAbTeTw</p>	<p>Plate App-F.102 ElEsAbTw</p>
<p>Photo not provided</p>	<p>Photo not provided</p>
<p>Plate App-F.103 ElEsMeAeITw</p>	<p>Plate App-F.104 ExEsAbAsyTw</p>



Plate App-F.105 VfSfSENSppCHf



Plate App-F.106 EI AeAsiT w



Plate App-F.107 CdEgAeAatTeTe



Plate App-F.108 EIAbCAPuT spp



Plate App-F.109 EIGsGOOsTw



Plate App-F.110 ARICHfERAxASe



Plate App-F.111 CHfTHsAS spp. (mosaic with ARIASeCHf and ASIASp)



Plate App-F.112 ARIASeCHf (mosaic with CHfTHsAS spp. and ASIASp)



Plate App-F.113 ASIASp



Plate App-F.114 ERb



Plate App-F.115 CfAanAciPROaPToCYaTHtARb



Plate App-F.116 ChAsppTHtTeTw



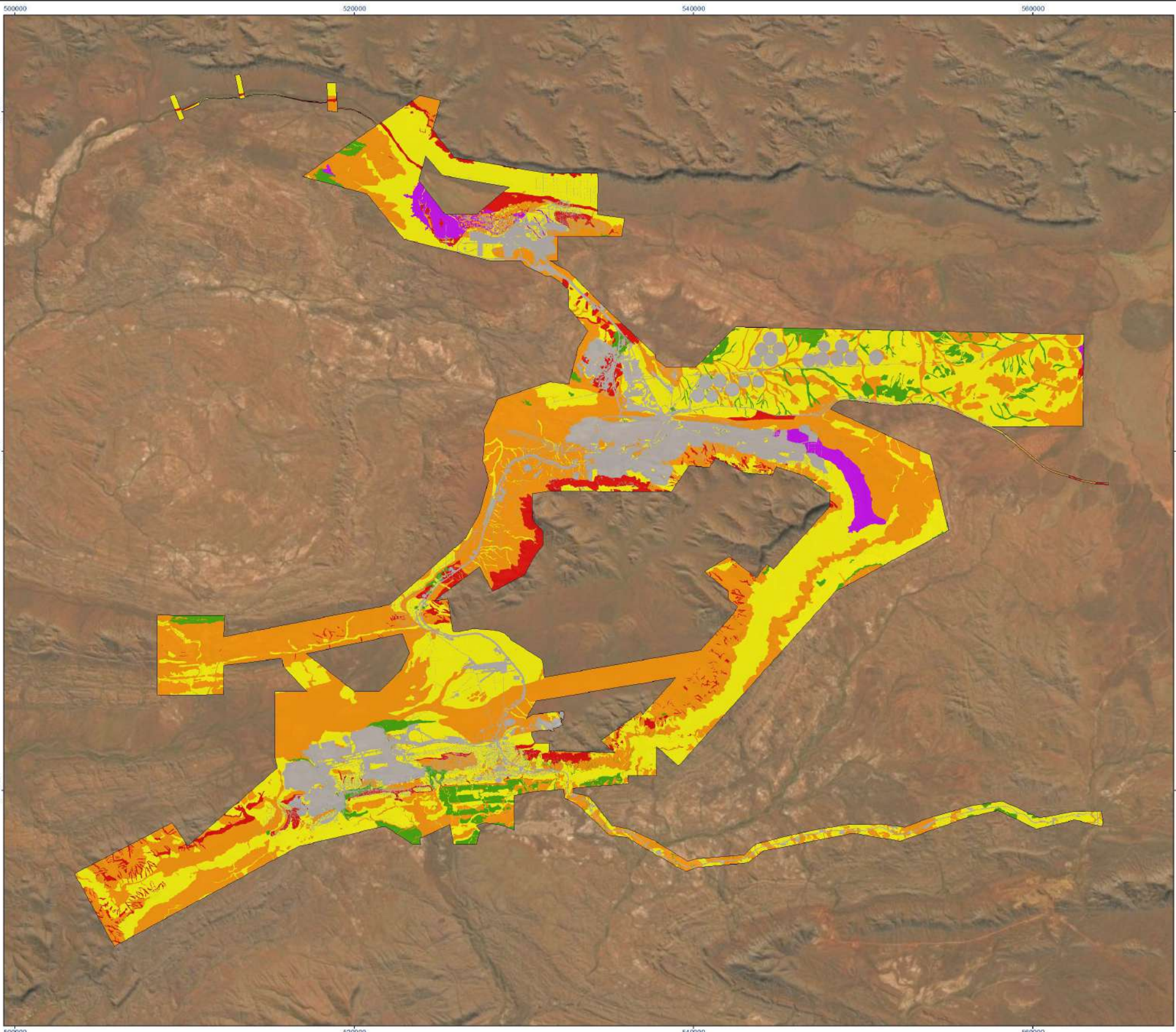
Plate App-F.117 EICfAciAanGbDpTe



Plate App-F.118 EICfAprAanDpERImTe

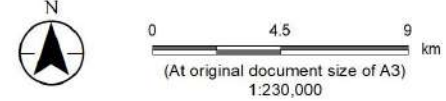
Appendix G Local Vegetation Significance Mapping

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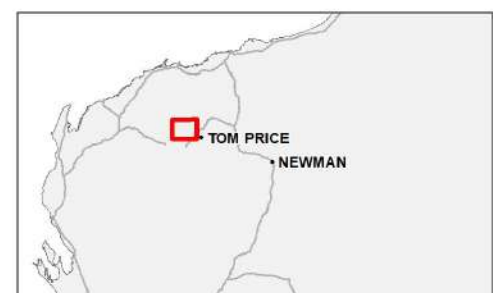


Title
Vegetation Significance in the Consolidation Area

Client/Project 300003015-9002 REV B
Rio Tinto Iron Ore
Greater Brockman and Nammuldi-Silvergrass Hub
Consolidated Vegetation Type and Vegetation Condition Mapping
Project Location Prepared by DK on 2021-03-03
Stantec Australia Pty Ltd TR by DR on 2021-03-04
Perth, Western Australia IR by PB on 2021-03-04



- Consolidation Area
- Vegetation Significance**
- Regionally significant
- High
- Moderate
- Low
- Negligible
- Disturbed



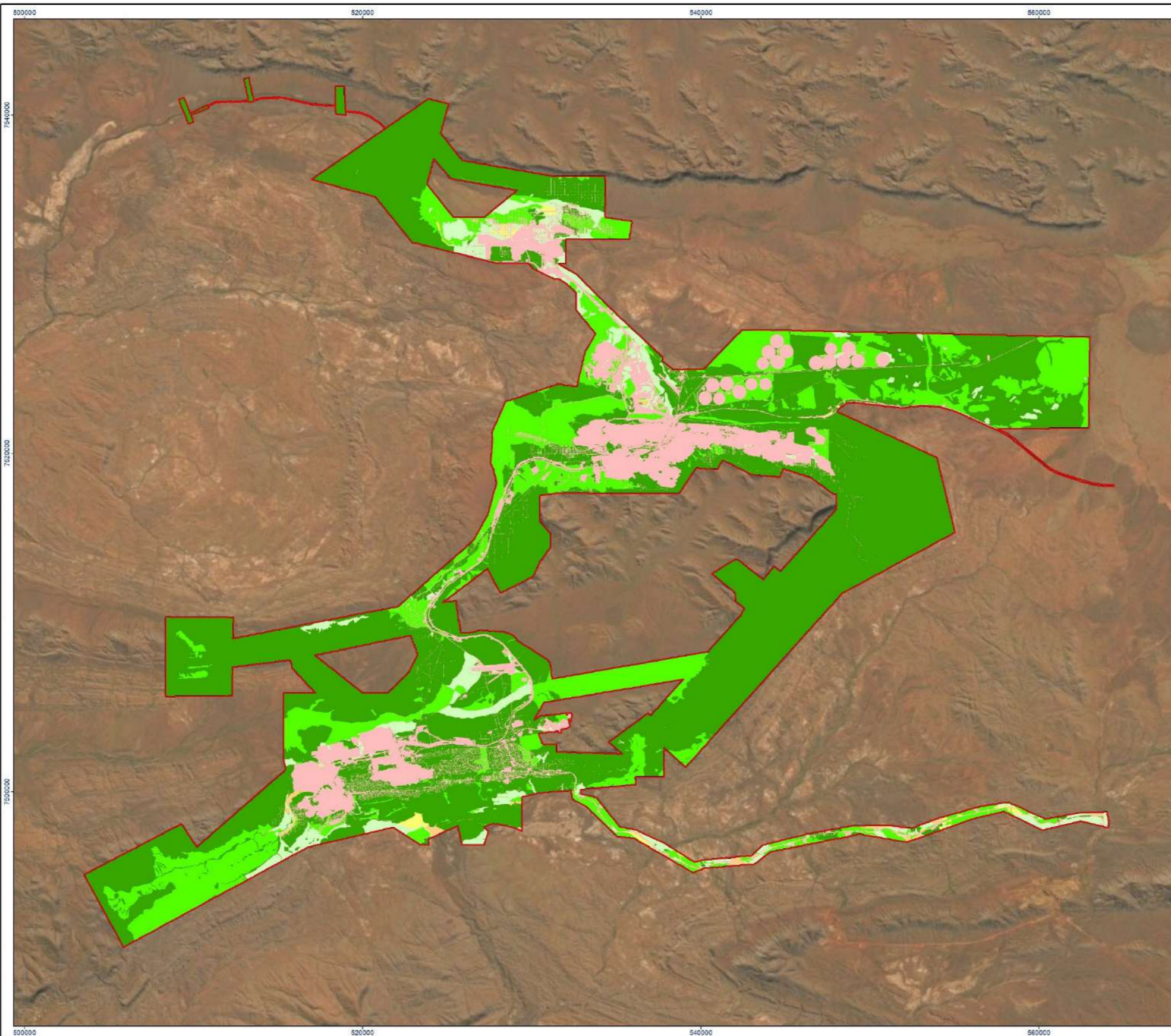
Notes
1. Coordinate System: GDA 1994 MGA Zone 50
2. Based on information provided by and with the permission of the Western Australian Land Information Authority (using as Landgate (2021))
3. Background: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GE User Community



Disclaimer: This document has been prepared based on information provided by others as cited in the Notes section. Stantec has not verified the accuracy and/or completeness of this information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Stantec assumes no responsibility for data supplied in electronic format, and the recipient accepts full responsibility for verifying the accuracy and completeness of the data.

Appendix H Consolidated Vegetation Condition Mapping

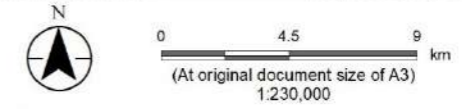
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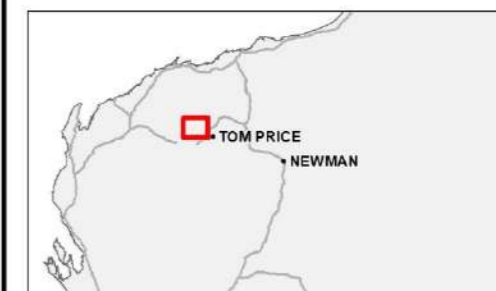
Title
Vegetation Condition of the Consolidation Area

Client/Project 300003016-9003 REVB
Rio Tinto Iron Ore
Greater Brockman and Nammuldi-Silvergrass Hub
Consolidated Vegetation Type and Vegetation Condition Mapping

Project Location Prepared by DK on 2021-01-20
Stantec Australia Pty Ltd TR by DR on 2021-01-20
Perth, Western Australia IR by PB on 2021-01-20



- Consolidation Area
- Vegetation Condition**
- Excellent
- Very Good
- Good
- Poor
- Degraded
- Completely Degraded



Notes

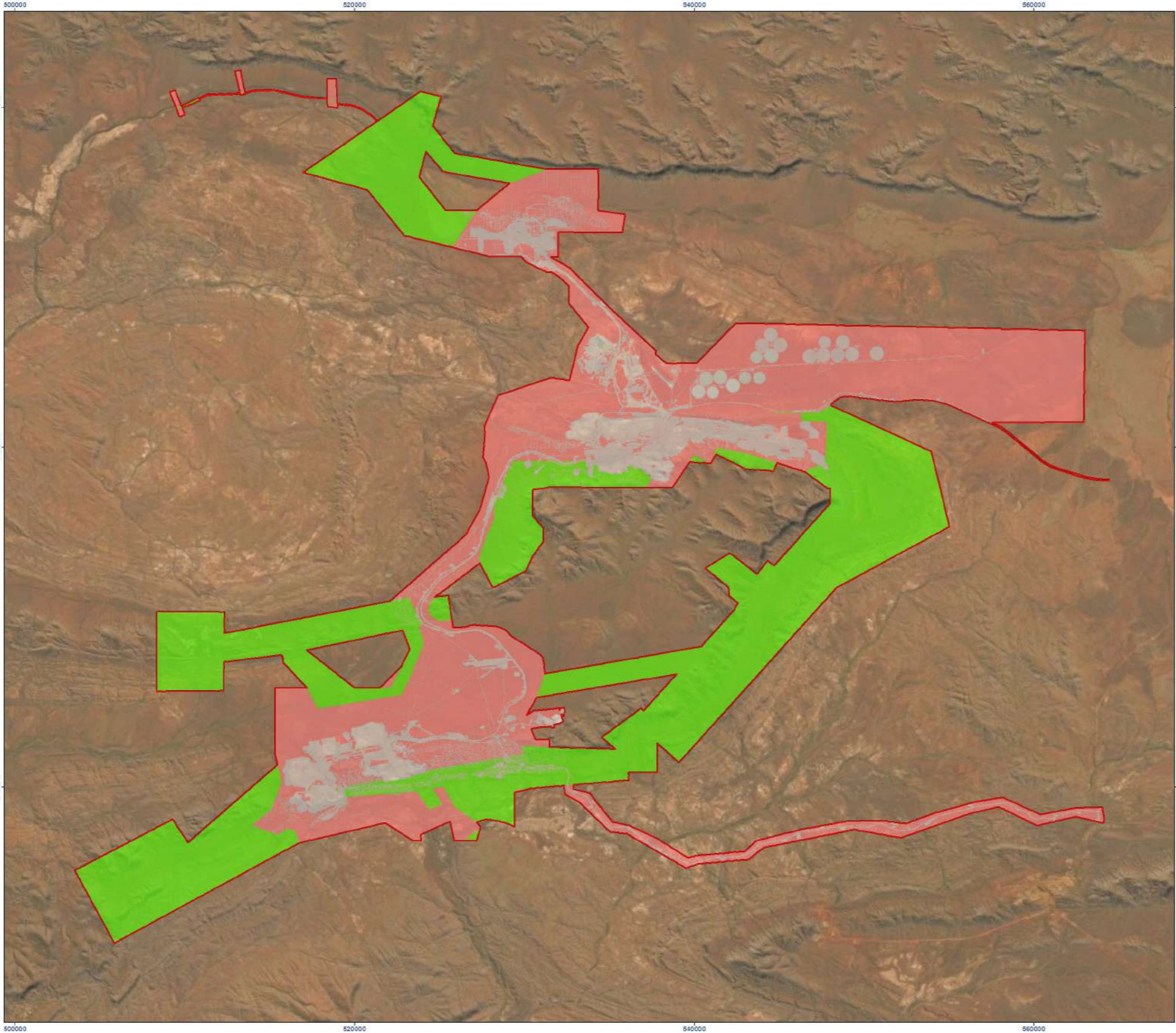
1. Coordinate System: GDA 1994 MGA Zone 50
2. Based on information provided by and with the permission of the Western Australian Land Information Authority (tracing as Landgate (2021))
3. Background: Source: Esri, Maxar, GeoEye, Earthstar* Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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Appendix I Confidence Mapping

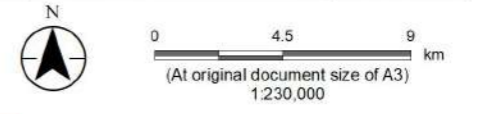
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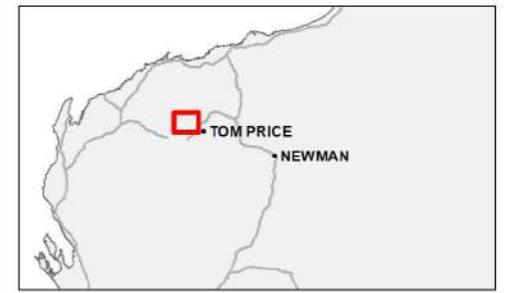
Title
Confidence in Vegetation Mapping

Client/Project 300003015-9004 REVB
Rio Tinto Iron Ore
Greater Brockman and Nammuldi-Silvergrass Hub
Consolidated Vegetation Type and Vegetation Condition Mapping

Project Location Prepared by DK on 2021-01-20
Stantec Australia Pty Ltd TR by DR on 2021-01-20
Perth, Western Australia IR by PB on 2021-01-20



- Consolidation Area
- Confidence in Mapping**
- High
- Low
- Disturbed



Notes

1. Coordinate System: GDA 1994 MGA Zone 50
2. Based on information provided by and with the permission of the Western Australian Land Information Authority trading as Landgate (2021)
3. Background: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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