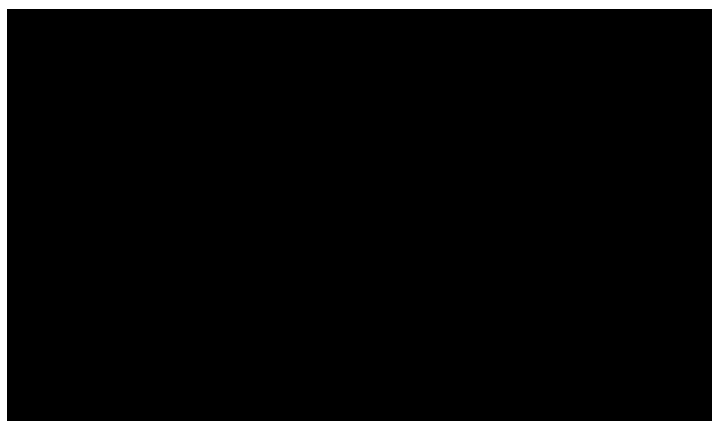


CHAPMAN VALLEY QUARRY

FLORA SURVEY REPORT



Report prepared in conjunction with Williams & Son Pty Ltd
August 2025

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- Appendix 3: DBCA flora search results
- Appendix 4: William & Son Flora Report

1.0 INTRODUCTION

1.1 BACKGROUND

Kimberley Quarry Pty Ltd (KQ) has been operating the Chapman Valley Quarry, a hard rock quarry, since 2000. The Project supplies products and services to the mining and construction industry. Prior to KQ's ownership, the site was formerly operated from 1960 to 2000.

The property on which the Quarry is located was historically part of the Newmarrcara Station which was first grazed around 1900. It was later split off from the station and sold and has continued to have been subject to grazing since this time. In the early 1900's the area was also subject to wood cutting for Sandalwood (*Santalum spicatum*) for incense and Jam (*Acacia acuminatum*) for fence posts.

A new Development Application for the Project has recently been lodged with the City of Greater Geraldton to expand the operational boundary to encompass both current and proposed operational areas, including stockpile zones, the extraction pit, and supporting infrastructure. The underlying land use remains unchanged as Extractive Industry (Hard Rock), previously approved under Development Approval TP16/187 issued on January 5, 2017.

1.2 OBJECTIVES

The objective of this document is to:

- Supplement the flora report completed by Williams and Son (2025) to fulfil the requirements of 'Technical Guidance - Flora and Vegetation Surveys for Environmental Impact Assessment (EPA, 2016)'.
- Support the clearing permit application for the Quarry.

1.3 LOCATION AND TENURE

The Project is located on Lot 20 Plan 6975 within the City of Greater Geraldton, approximately 15km north-east of the Geraldton town centre off the Chapman Road East Road Figure 1).

The site is zoned as rural within the Shire of Greater Geraldton Planning Scheme No. 1. Developmental approval and is approved for Extractive Industry (Hard Rock) by the City of Greater Geraldton.

1.4 LEGISLATIVE CONTEXT

Flora and fauna in Western Australia is protected formally and informally by various legislative and non-legislative measures, which include the:

- *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) – Australian Government
- *Biodiversity Conservation Act 2016* (BC Act) – WA State Government.
- WA Department of Biodiversity, Conservation and Attractions (DBCA) Priority lists for flora, ecological communities and fauna (non-legislative)
- Recognition of locally significant populations by DBCA (non-legislative).

An outline of the conservation rating categories is provided in Appendix 1.

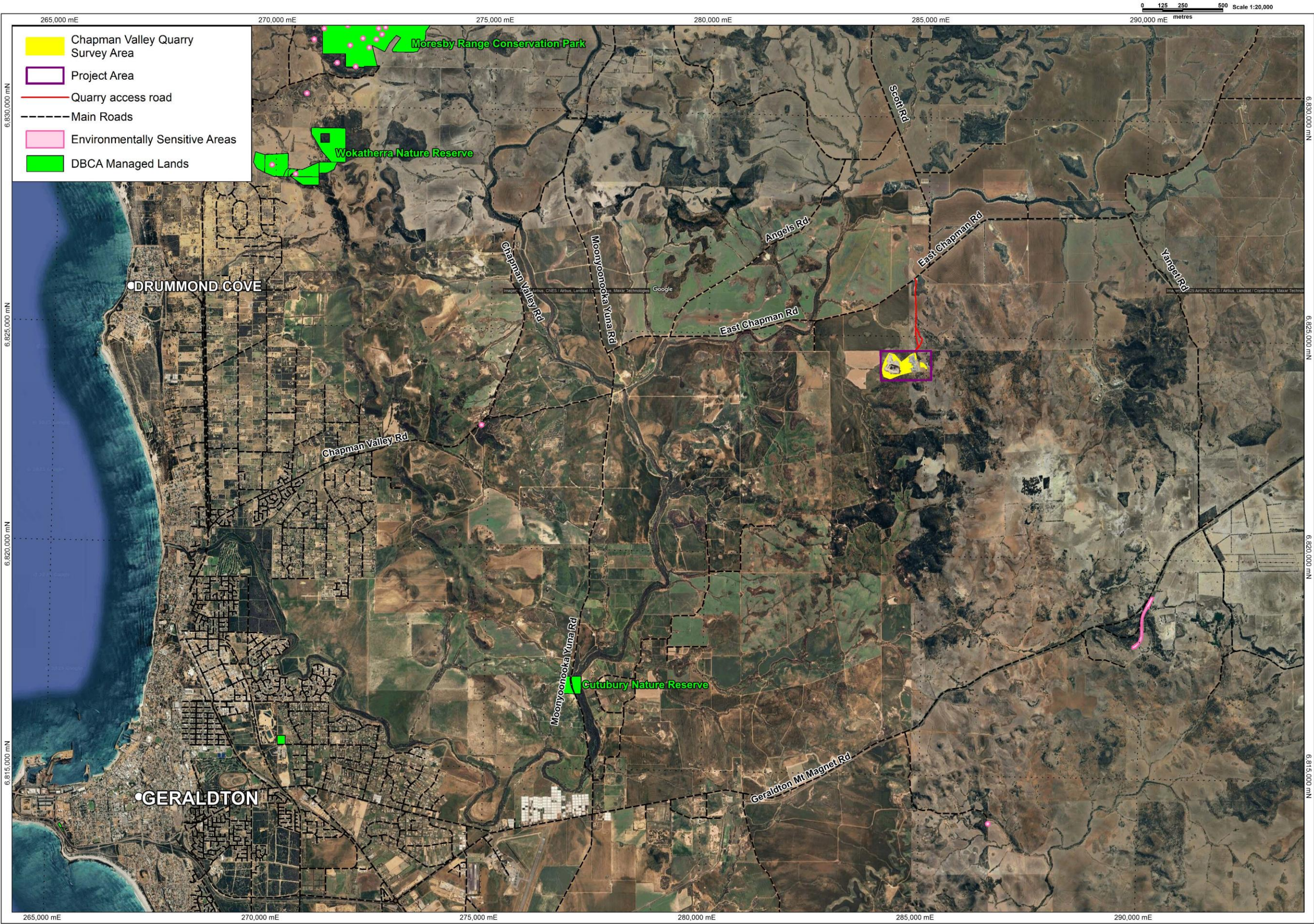


Figure 1: Location of the Project

2 EXISTING ENVIRONMENT

2.1 CLIMATE

The climate of the region has a Mediterranean-type climate characterised by seasonal patterns of hot, dry summers and mild, wet winters. The area is subject to high wind speeds, dust storms, lightning storms, high summer temperatures and low winter night temperatures.

The closest meteorological stations are Geraldton and Geraldton airport, located approximately 8 km west and 4.5 km west of the Project respectively. The average annual rainfall is 437.2 mm with the average monthly rainfall ranging from 3.6 mm in December to 110 mm in June.

The rainfall is irregular and unpredictable, with heavy rainfalls occurring in winter due to the passage of cold fronts from the west. Long dry periods occur from October to March.

The mean maximum temperature ranges from 32.6 °C in February to 19.6°C in July and mean minimum temperature is highest in February (19.2°C) and lowest at 8.9°C in August. The winds are predominantly easterly/northeasterly at 9 am changing to southwesterly/southerly by 3 pm (BOM 2025).

Relative humidity varies from 78% at 9 am to 58% at 3 pm in June to 49% at 9 am to 47% at 3 pm in December. Mean annual relative humidity is 61% at 9 am and 50% at 3 pm.

2.2 LANDFORM

2.2.1 IBRA Region

The Interim Biogeographic Regionalisation for Australia (IBRA) is a landscape based approach for classifying the land surface of Australia. The Project area is located within the Geraldton Hills (GS2) IBRA sub-region within the Geraldton Sandplain.

The Geraldton Sandplains (GS2 – Geraldton Hills subregion) bioregion comprises mainly proteaceous scrub-heaths, rich in endemics, on the sandy earths of an extensive, undulating, and lateritic sandplain mantling Permian to Cretaceous strata. Extensive York Gum and Jam wood lands occur on out wash plains associated drainage. The Geraldton Hills subregion (GS2) incorporates the southern end of the Carnarvon Basin and northern end of the Perth Basin, with exposed areas of Permian / Silurian siltstone and Jurassic sandstones, mostly overlain by sandplains, alluvial plains, and coastal limestones. Sand heaths with emergent *Banksia* and *Actinostrobus*, York Gum wood lands on alluvial plains, proteaceous heath and *Acacia* scrubs on limestones depending on depth of coastal-sand mantle, low closed forest of *Acacia rostellifera* (now cleared) on alluvial plains of Greenough and the Irwin River (behind beach dune system south of Geraldton) (Desmond & Chant 2001).

2.2.2 Land System

The Project area is mapped within one land system as described in Table 1 (Schoknecht 2006).

Table 1: Land systems in the Project area

Land System	Description
Sugarloaf 1 Subsystem	Rolling rises and low hills with granite outcrop common. Reddish brown sandy loam duplex soils moderately well drained. Subsoils neutral to alkaline.

2.3 SOILS

The survey area is located in two soil mapping groups as defined by (Northcote *et al.*, (1960 – 1968) (Figure 2):

- Pb29: Generally rolling but sometimes undulating or hilly terrain on granulite; some rock outcrops; some mesas and buttes of unit Uc2: chief soils are hard acidic red soils and neutral red soils (Dr2.21, Dr2.22, and Dr2.62).
- Ub100: Broken hilly terrain on sandstones and claystones with mesas and buttes of unit Uc2; some saline flats- some rock outcrops: chief soils seem to be hard neutral yellow mottled soils.

2.4 SURFACE WATER HYDROLOGY

There are no water bodies or major drainage lines (rivers or creeks) in the Project area (Figure 2).

The Chapman River East is northwest of the survey area and there are minor non-perennial watercourses (tributaries of the Chapman River East) that occur towards the survey area.

The Project is not located within a Proclaimed Surface Water area under the Right in Water and Irrigation Act 1914.

2.5 GROUNDWATER

The Project area is located within the Northampton/Galena subarea of the Gascoyne groundwater management area within the Carnarvon – Tumblagooda aquifer.

Groundwater in the area occurs at approximately ~50m AHD.

The Project area does not fall within a Public Drinking Water Source Area (PDWSA) or PDWSA Protection Zone.

There are no known groundwater dependent ecosystems (GDE) in the Project area or surrounds (BOM 2025b).

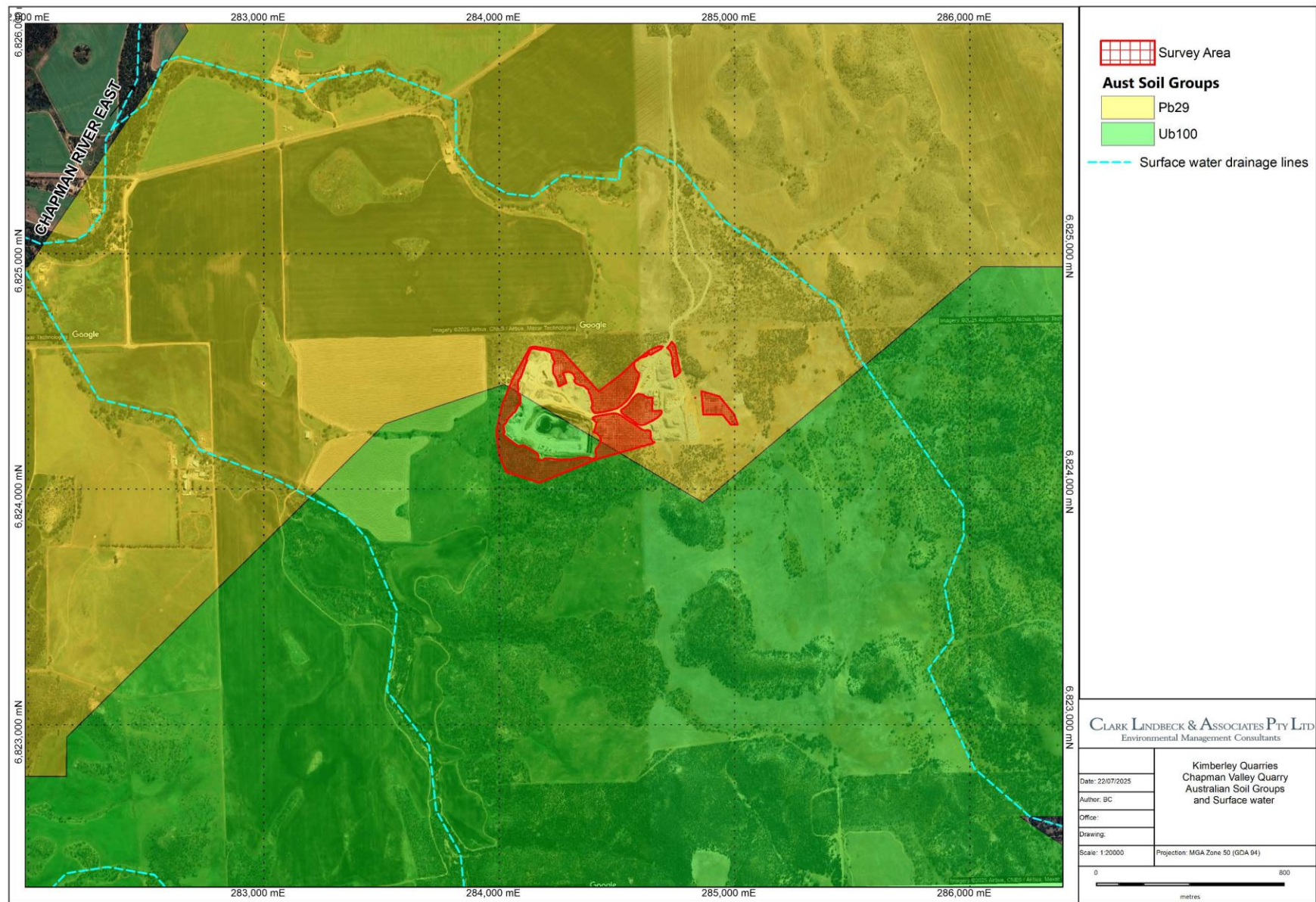


Figure 2: Surface water catchments in the Project area

3 METHODOLOGY

3.1 DESKTOP ASSESSMENT

3.1.1 Environmental Protection and Biodiversity Conservation Act Protected Matters

The EPBC Act Protected Matters Search tool (PMST) was utilised to provide results for matters of National Environmental Significance (NMES) within the proposed clearing area with a 10 km buffer (DCCEEW, 2025). The results are attached as Appendix 2.

3.1.2 Flora

A search of the DBCA Threatened/ Priority flora spatial database (DBCA, 2025) was undertaken to assist in determining potentially occurring conservation significant flora at the Project.

3.1.3 Communities

The presence of Threatened and Priority Ecological Communities (TEC's and PEC's) was determined with the use of DWER's Environment Online Interactive map (DWER 2025a).

3.1.4 Environmentally Sensitive Areas (ESA's) and Conservation Reserves

The Department of Water and Environmental Regulation (DWER) Clearing Permit System Map Viewer was used to determine the location of any ESA's (DWER, 2025b). In addition, the 'DBCA Legislated Lands and Water' was used to determine the occurrence of DBCA reserves in proximity to the Project (Government of Western Australia 2025) .

3.1.5 Vegetation Type and Extent

Vegetation extent and status data was sourced from the Department of Agriculture and Food (DAFWA) report and its associated GIS file (Shepherd *et al*, 2002). This data comprises Beard's Pre-European vegetation groups.

3.1.6 Dieback

Given the nature of native vegetation occurrence in the survey area as isolated trees/shrubs areas with no understorey, these were considered 'Not Interpretable' and assessment by a DBCA Registered Interpreter was not considered appropriate or useful.

Mr Williams has a Greencard issued by the Dieback Working Group and is experienced in dieback identification.

3.2 SITE INVESTIGATIONS

3.2.1 Site Surveys

Williams & Son (2025) completed a site visit on 26 June 2025 to assess all native vegetation occurring in the survey area (Figure 3).

The survey was undertaken in accordance with methods outlined in "Technical Guidance – Flora and vegetation surveys for environmental impact assessment (EPA 2016b)".

High resolution aerial photography of the Project was made available prior to the survey to identify areas of native vegetation occurrence. The proposed Quarry expansion area was provided by GIS by KQ, and was used to determine detailed assessment areas by Mr Williams to complete a systematic survey that would be encompass all native vegetation occurring at the Project.

Given the nature of the vegetation in the survey area, all species encountered were recorded to provide a representative species list of native species occurring on the Project site. This was undertaken by vehicle and foot traverse.

The following parameters were recorded by Williams & Son (2025) for the survey area:

- Systematic recording of all flora species (native and non-native)
- Comment on habit of isolated native vegetation encountered.
- Vegetation condition in accordance with Keighery (1994)
- Evidence of dieback i.e. degraded plant health.

3.2.2 Survey Timing

EPA (2016b) Technical guidance identifies the primary survey timing for the Geraldton Sandplain Botanical Province is Spring (September- November).

The site survey was conducted in June 2025. Prior to the site visit, provision for a second survey was made, however, based on the nature of the vegetation occurring at site (i.e. completely degraded) it was deemed this was not necessary.

Rainfall in the three months preceding the surveys was below average - average (Table 2). There was 168.4mm of rainfall in the month preceding the survey and the survey was timed to be completed after significant rainfall.

Table 2: Monthly rainfall (Jurien BOM site)

Month	2025 Monthly Rainfall (mm)	Mean Monthly Rainfall (mm)
Jan	1.0	5.6
Feb	3.0	11.1
Mar	3.6	15.9
Apr	1.6	23.8
May	38.6	69.5
Jun	135	97.2

3.2.3 Survey Limitations and Constraints

An assessment of the potential limitations and constraints of the survey was undertaken to identify potential limitations and constraints that may impact the assessment (Table 3).

Table 3: Assessment of limitations and constraints of survey work

Potential Limitation/Constraint	Constraint (Y/N/NA)	Comment
Availability of contextual information at a regional and local scale	N	Reference resources such as Beard's mapping, together with online flora and vegetation information, have provided an appropriate level of information for the current survey. The vegetation of the this area has previously been mapped by Beard (1976).
Resources (i.e. were there adequate resources to complete the survey to the required standard).	N	Adequate resources were made available by KQ to complete the surveys.
Competency/experience of team carrying out survey; experience in the bioregion surveyed	N	Mr Williams has had extensive experience working in this botanical district and is used by DBCA for flora survey work, and has worked in this area in addition to areas in the field from North Eneabba to South Badgingarra and the Coast to East of Moora and Carnamah for > 30 years. Mr Williams is highly experienced in identification of Threatened and Priority flora in this bioregion.
Proportion of flora collected and identification issues	N	The areas surveyed in detail were considered representative of the areas to be disturbed and to encompass species of native vegetation to be disturbed. Mr Williams is highly experienced in identification of Threatened and Priority flora in this bioregion. Species which could not be identified to species levels, are not potential Threatened or Priority flora species. While not all annuals may have been picked up this is not expected to have a significant effect on mapping reliability, nor on the identification of threatened and priority species in the area as the majority were perennial species.
Effort and extent of survey	N	Survey intensity was appropriate for the size/significance of the area.
Mapping reliability	N	Handheld GPS unit was used for the survey, which for a majority of field conditions have an accuracy level of ± 5 m.
Access restrictions with survey area	N	Vehicle access and foot traverses were readily available across the whole survey area.
Survey timing, rainfall, season of survey	N	The EPA (2016a) recommends that flora and vegetation surveys in the South – West Botanical Province be conducted in Spring (September-November). The survey was conducted after rainfall and to encompass the optimum flowering time for potentially occurring flora species of conservation significance as identified by Mr Williams. Rainfall in the three months preceding the assessment was below average-average. There was 168.4mm of rainfall in the month preceding the survey. Mr Williams is highly experienced in this botanic region. Given the nature of the vegetation (i.e. completely degraded – grazed), this is not considered a limitation.
Disturbances (fire/flood/clearing)	N	The survey area surrounds the existing Quarry. The area has been subject to grazing for >100 years.
Data and statistical analysis	N/A	Given the occurrence of the native vegetation surveyed (i.e. isolated trees/patches in completely degraded condition), no statistical analysis was warranted to differentiate vegetation groups.



Figure 3: Chapman Valley Survey Area

4 RESULTS

4.1 DESKTOP ASSESSMENT

4.1.1 EPBC Protected Matters Search Tool

The results of the EPBC PMST are presented in Appendix 2 and Threatened flora/flora habitat potentially occurring summarised in Table 4.

Table 4: EPBC PMST Threatened flora/flora habitat identified as potentially occurring in the Project area (DCCEW 2025)

Scientific Name	Common Name	Threatened Category	Presence Text
<i>Leucopogon marginatus</i>	Thick-margined Leucopogon	Endangered	Species or species habitat may occur within area
<i>Drummondita ericoides</i>	Morseby Range Drummondita	Endangered	Species or species habitat likely to occur within area
<i>Caladenia elegans</i>	Elegant Spider-orchid	Endangered	Species or species habitat may occur within area
<i>Conostylis micrantha</i>	Small-flowered Conostylis	Endangered	Species or species habitat may occur within area
<i>Conostylis dielsii</i> subsp. <i>teres</i>	Irwin's Conostylis	Endangered	Species or species habitat may occur within area
<i>Caladenia hoffmanii</i>	Hoffman's Spider-orchid	Endangered	Species or species habitat likely to occur within area
<i>Chorizema humile</i>	Prostrate Flame Pea	Endangered	Species or species habitat may occur within area
<i>Eucalyptus cuprea</i>	Mallee Box	Endangered	Species or species habitat may occur within area
<i>Caleana dixonii</i>	Sandplain Duck Orchid	Endangered (listed as	Species or species habitat may occur within area

4.1.2 Flora Database Results

A search of the DBCA Threatened flora database (20 km buffer) revealed 70 flora species of conservation significance known to occur. The results are attached as Appendix 3 and presented in Figure 4.

4.1.3 Threatened Communities

No TEC's or PEC's pursuant to Commonwealth or State legislation are located at the Project (Figure 5).

4.1.4 Environmentally Sensitive Areas and Conservation Reserves

The survey area does not lie within or contain any ESA's or Conservation Reserves (DWER, 2025b) (Figure 1).

4.1.5 Vegetation Type and Extent

Based on Beard (Shepherd *et al.* 2002), one Pre-European vegetation association has been mapped in the Project area:

- 35: Shrublands; jam scrub with scattered York gum.

This association has been extensively cleared for agriculture in this region and has 16.3% of its original extent remaining (Table 5). This figure takes into account the total extent of this vegetation association in WA.

In the City of Greater Geraldton, there is 20.14% of this vegetation association, Northampton 35, remaining (i.e. 10,948.94 ha remaining of original extent of 54,090 ha Pre-European).

Table 5: Current extent of regional vegetation associations

Beard Vegetation Association	Pre-European Extent (Ha)	Current Extent (Ha)	Pre-European extent remaining (%)
35	184,501.78	30,087.81	16.31

4.1.6 Dieback

Given the nature of occurrence of native vegetation at the Project, the area is largely 'Not Interpretable'.

No evidence of dieback was recorded by Williams & Son (2025).

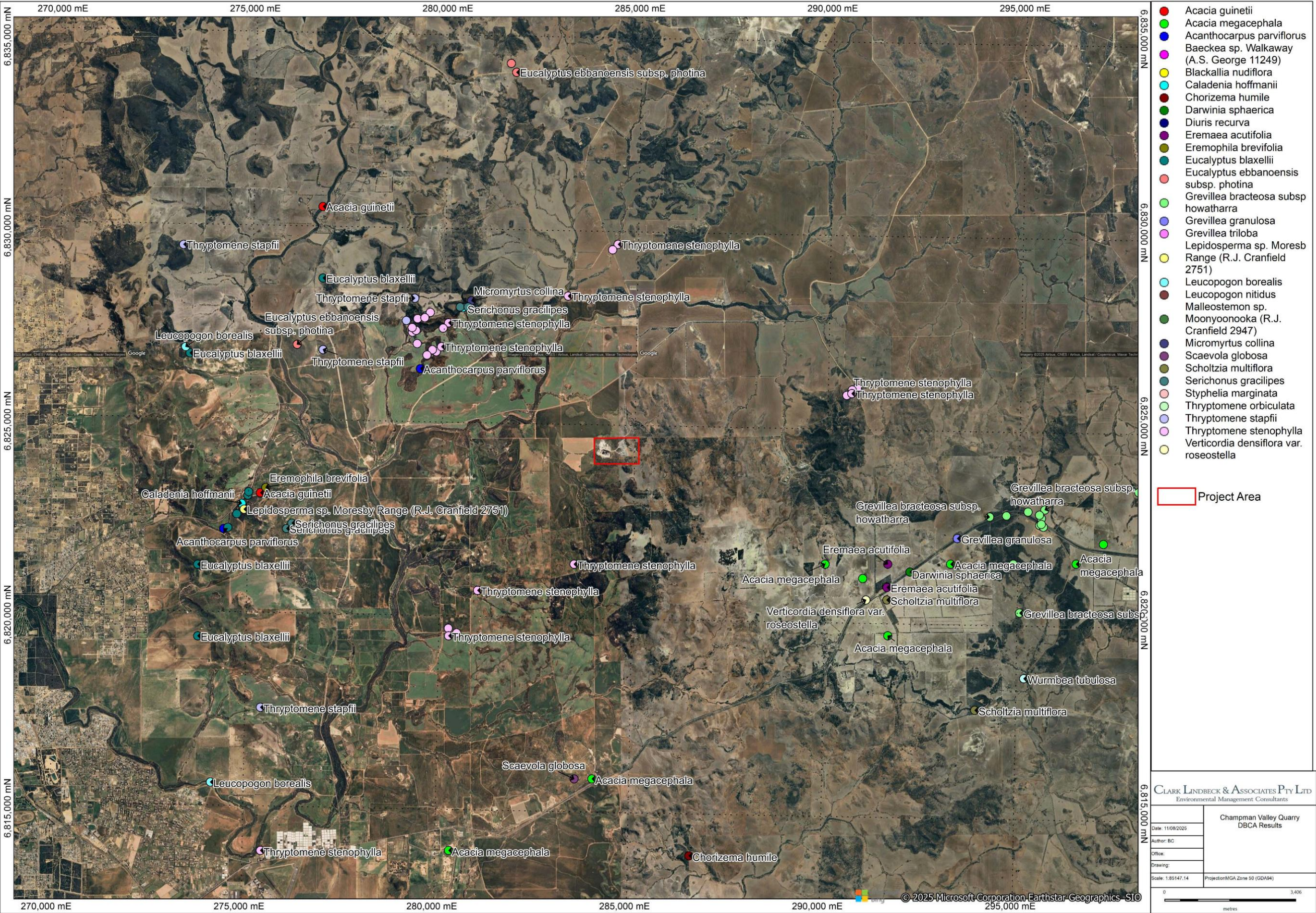


Figure 4: DBCA Threatened/Priority flora search results in proximity to the Project

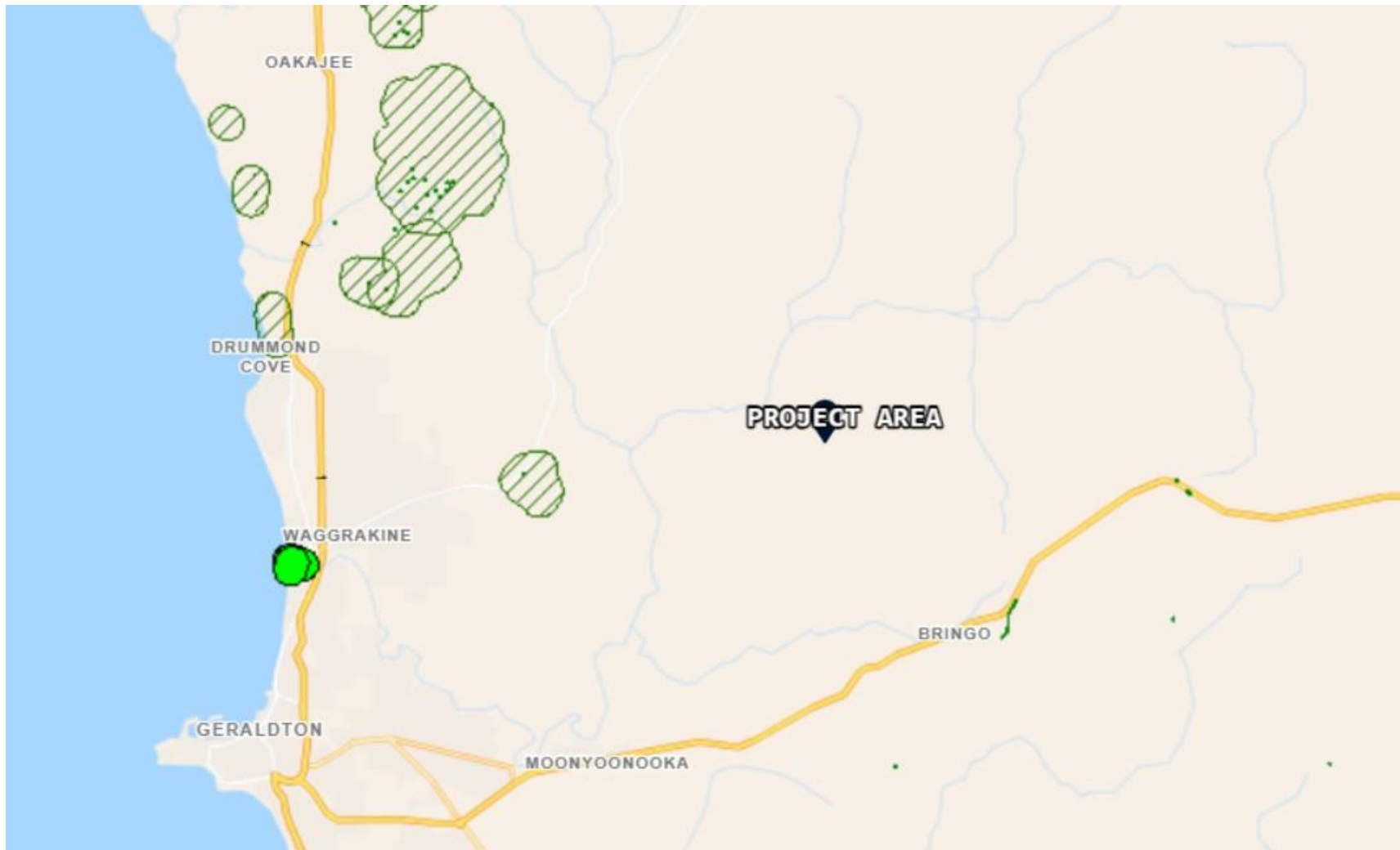


Figure 5: TEC/PEC occurrence in Region (from Environment online) – PEC hashed line; TEC light green

4.2 SITE INVESTIGATIONS

4.2.1 Threatened and Priority Flora

No Threatened or Priority flora were recorded in the survey area.

It appears the long history of grazing and density of introduced species have outcompeted any of the potentially occurring species of conservation significance (and other understorey species).

Table 6 presents an assessment of the potentially occurring conservation significant flora, based on Mr Williams experience (and review of EPBC/DBCA results).

As Williams and Son (2025) notes: “The smaller less robust Genus such as *Caladenia*, *Pterostylis*, *Drakaea* and *Leschenaultia* would have been out competed by the dense vigorous nature of the introduced species. The livestock grazing regime of the last 80+ years has reduced the native population to a remnant of very robust long-lived Genera”.

Table 6: Potentially occurring Threatened and Priority species based on Williams & Son (2025) assessment

Species Name and rating	Approx. flowering	Williams & Son (2025) Assessment
<i>Androcalva microphylla</i> P.2	August on	Not observed, has distinctive foliage
<i>Beyeria gardneri</i> P. 3	July onwards	Not observed does not appear to have been recorded within 10 Km.
<i>Caladenia bryceana</i> T	July onwards	Not observed occurs further north.
<i>Caladenia hoffmanii</i> T	July onwards	Not observed has potential to occur in general area
<i>Caladenia longicauda</i> 2	Spring	Not observed does not appear to have been recorded within 15 Km.
<i>Caladenia pluvialis</i> 2	Spring	Not observed does not appear to have been recorded within 20 Km
<i>Caladenia wanosa</i> T	Aug on	Not observed does not appear to have been recorded within 15 Km
<i>Drummondita ericoides</i> T	Sept oct	Not observed.
<i>Eucalyptus cuprea</i> T	Aug Nov	No rough bark mallee species observed. Does occur in granite.
<i>Eucalyptus blaxellii</i> 4	Aug Nov	No smooth bark mallee species observed. Does occur nearby.
<i>Eucalyptus ebbanoensis</i> 4	Sept to Mar	No smooth bark glossy leaved mallee species observed. Does occur nearby.
<i>Grevillea bracteosa</i> subsp. <i>howatharra</i> T	Aug Nov	Not observed occurs to North and East.
<i>Grevillea candicans</i> 3	Aug Oct	Not observed occurs on deep sand
<i>Grevillea granulosa</i> 3	July Oct	Not observed mainly further East.
<i>Grevillea leptopoda</i> 3	Aug Sept	Not observed occurs well North and South
<i>Grevillea triloba</i> 3	Jun Oct	Not observed common in area has distinctive leaf form.
<i>Leucopogon borealis</i> 2	Unknown	No <i>Leucopogon</i> spp observed most population to North
<i>Leucopogon psammophilus</i> 1	Unknown	No <i>Leucopogon</i> spp observed greatest population to South
<i>Leucopogon</i> Sp. Moresby Ranges 3	Jun Jul	Not observed occurs to North

4.2.2 Vegetation and Flora

While the survey area is expected to have once comprised Jam shrubland (*Acacia acuminata* or *Hakea recurva*) with scattered York gums (*Eucalyptus loxophleba*), consistent with the broad pre-European vegetation mapping, the long history of grazing and subsequent introduction of weeds has removed the original structure and diversity of the native vegetation (Plates 1-4).

Williams and Sons (2025) recorded a total of 9 species of native flora in the survey area surround the Quarry (Appendix 4) which occurs in isolated patches and/or individuals. *Acacia ramulosa* and *Hakea recurva* were the most dominant species on site and this was attributed to the very pungent nature of the foliage. The mature *A.acuminata* and *A.ramulosa* were all mature and approaching senescence (no regeneration). As such, it is expected the native vegetation cover will further reduce with time as these species die out.

There is a large dense well established introduced annual weed species population and a smaller range and population of perianal introduced weed species which have prevented any natural regeneration of species (Section 4.2.3) (Plates 1-4).

Vegetation condition according to Keighery (1994) within the survey area is ' Completely Degraded' (Williams & Son 2025).

Based on the results of the June 2026 survey, Mr Williams considered an additional survey was not required.

4.2.3 Non-native species

The survey recorded 12 non-native (weed) species which a dense coverage across the survey area (Williams and Son 2025) (Appendix 4) (Plates 1-4).

None of these species are 'Declared Pests' under the *Biosecurity and Agriculture Management Act 2007* (BAM Act).



Plate 1: Vegetation occurring in the northern part of survey area (north of the Quarry) – shows typical occurrence of patches of native vegetation

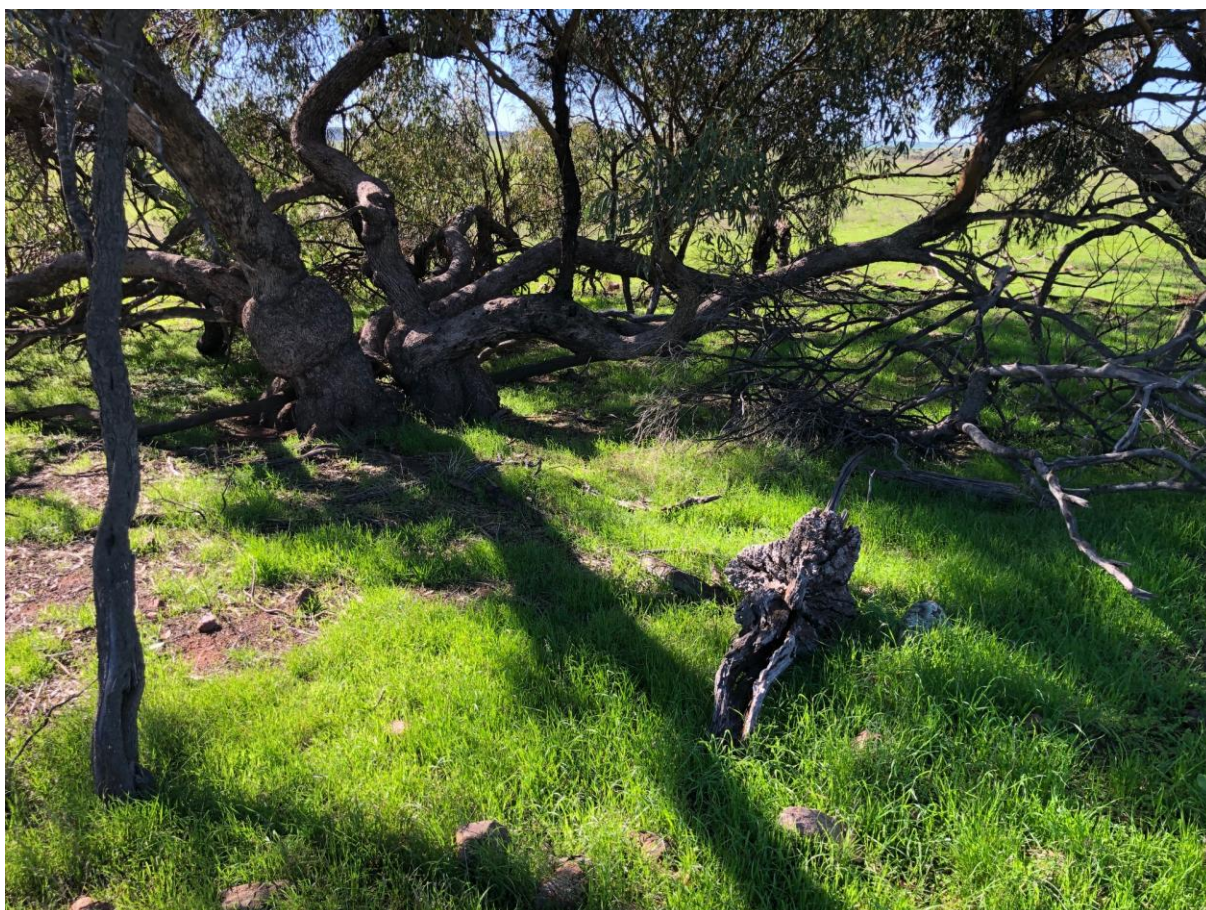


Plate 2: *E.loxophleba* occurring in eastern extent of survey area – occurs in patch surrounded by non-native cover



Plate 3: Vegetation in the western part of the survey area (looking south) - showing dominance of weed cover



Plate 4: Dense weed population with degraded native population behind (from Williams & Son)

5 CLEARING PERMIT PRINCIPLES

These Principles are listed in Schedule 5 attached to the *Environmental Protection Act 1986*.

a) Native vegetation should not be cleared if it comprises a high level of biological diversity

The Project lies within the central area of the Geraldton Hills (GS2) Interim Biogeographic Regionalisation for Australia (IBRA) Sub Region of the Geraldton Sandplains Biogeographic Region (Desmond & Chant 2003).

The survey has areas has been subject to grazing for over 100 years, is completely degraded and comprises a total of 9 native species. Historically the area may have comprised a high level of biological diversity, but this is no longer the case. Weeds are a significant component of ground cover.

Therefore, the proposed clearing is not at variance to this Principle.

(b) Native vegetation should not be cleared if it comprises the whole, or part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.

N/A - Please refer to fauna assessment report.

(c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, rare flora.

No plant taxa located in the survey area are gazetted as Threatened under the EPBC Act or BC Act .

No Priority flora were recorded in the survey area. Based on the vegetation condition, resulting from a long history of grazing and introduction of weeds to this area, no flora of conservation significance would be expected to occur.

Given the above, the proposed clearing will not be at variance to this Principle.

(d) Native vegetation should not be cleared if it comprises the whole or part of, or is necessary for the maintenance of a Threatened Ecological Community (TEC).

No TEC's are listed under the Commonwealth *Environmental Protection and Biodiversity Conservation Act 1999* or endorsed by the Western Australian Minister for the Environment are present in the survey area.

Therefore, the proposed clearing is not at variance to this Principle.

(e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.

The proposed clearing comprises one Beard Vegetation Associations which have approximately 16.3% of its Pre-European extent remaining.

Therefore, the proposed clearing will be at variance to this Principle. However, given the 'completely degraded' vegetation condition which is dominated by weeds and has lost its original structure, this is not expected to have a significant impact on the remaining extent of this vegetation groups.

(f) Native vegetation should not be cleared if it is growing, in, or in association with, an environment associated with a watercourse or wetlands.

There are no watercourse or wetlands in the survey area, and thus no riparian vegetation identified during the survey.

The proposed clearing is not at variance to this Principle.

(g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.

The native vegetation to be cleared comprises 'completely degraded' native vegetation which has been subject to grazing for 100 years and surrounds the existing Quarry.

The proposed clearing of this vegetation is not likely to lead to further land degradation and therefore is not considered to be at variance to this Principle.

(h) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.

There are no conservation or nature reserves within the survey area (closest is >10km away).

The proposed clearing, therefore, is not at variance to this Principle.

(i) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.

There is no surface water of significance, large drainage lines, lakes or swamps within, or in close proximity to the survey area.

The survey area proposed to be cleared does not fall within a Public Drinking Water Source Area (PDWSA) or PDWSA Protection Zone.

The clearing is unlikely to cause deterioration in the quality of surface or groundwater and, therefore, the proposed clearing is not at variance to this Principle.

(j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence of flooding.

The survey area surrounds the existing Quarry and comprises 'completely degraded' native vegetation which is dominated by weed species.

The Chapman Valley East River, and tributaries flow to the north and west of the Project area. As there is little surface flow during normal rains, the proposed clearing is not likely to cause or exacerbate the incidence or intensity of flooding.

Therefore, the proposed clearing is not at variance to this Principle.

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APPENDICES

Appendix 1: Conservation Rating Definitions

CONSERVATION CATEGORY DEFINITIONS

For Western Australian Fauna and Flora

Threatened, Extinct and Specially Protected fauna or flora¹ are species² which have been adequately searched for and are deemed to be, in the wild, threatened, extinct or in need of special protection, and have been gazetted as such.

Categories of Threatened, Extinct and Specially Protected fauna and flora are:

T **Threatened species**

Listed by order of the Minister as Threatened in the category of critically endangered, endangered or vulnerable under section 19(1), or is a rediscovered species to be regarded as threatened species under section 26(2) of the *Biodiversity Conservation Act 2016* (BC Act).

Threatened fauna is the species of fauna that are listed as critically endangered, endangered or vulnerable threatened species.

Threatened flora is the species of flora that are listed as critically endangered, endangered or vulnerable threatened species.

The assessment of the conservation status of threatened species is in accordance with the BC Act listing criteria and the requirements of [Ministerial Guideline Number 1](#) and [Ministerial Guideline Number 2](#) that adopts the use of the International Union for Conservation of Nature (IUCN) [Red List of Threatened Species Categories and Criteria](#)³, and is based on the national distribution of the species.

CR **Critically endangered species**

Threatened species considered to be “*facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with criteria set out in the ministerial guidelines*”.

Listed as critically endangered under section 19(1)(a) of the BC Act in accordance with the criteria set out in section 20 and the ministerial guidelines.

Examples of use:

- The western ringtail possum (*Pseudocheirus occidentalis*) is listed as a critically endangered threatened species under the *Biodiversity Conservation Act 2016*.
- Western ringtail possum is listed as critically endangered under the *Biodiversity Conservation Act 2016*.
- Listing reference in a table: column heading: BC Act, row text: CR.

EN **Endangered species**

Threatened species considered to be “*facing a very high risk of extinction in the wild in the near future, as determined in accordance with criteria set out in the ministerial guidelines*”.

Listed as endangered under section 19(1)(b) of the BC Act in accordance with the criteria set out in section 21 and the ministerial guidelines.

Examples of use:

- *Caladenia hopperiana* is listed as an endangered threatened species under the *Biodiversity Conservation Act 2016*.
- *Caladenia hopperiana* is listed as endangered under the *Biodiversity Conservation Act 2016*.
- Listing reference in a table: column heading: BC Act, row text: EN.

VU Vulnerable species

Threatened species considered to be “*facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with criteria set out in the ministerial guidelines*”.

Listed as vulnerable under section 19(1)(c) of the BC Act in accordance with the criteria set out in section 22 and the ministerial guidelines.

Examples of use:

- The forest red-tailed black cockatoo (*Calyptorhynchus banksii naso*) is listed as a vulnerable threatened species under the *Biodiversity Conservation Act 2016*.
- Forest red-tailed black cockatoo is listed as vulnerable under the *Biodiversity Conservation Act 2016*.
- Listing reference in a table: column heading: BC Act, row text: VU.

Extinct species

Listed by order of the Minister as extinct under section 23(1) of the BC Act as extinct or extinct in the wild.

EX Extinct species

Species where “*there is no reasonable doubt that the last member of the species has died*”, and listing is otherwise in accordance with the ministerial guidelines (section 24 of the BC Act).

Examples of use:

- *Acacia kingiana* is listed as an extinct species under the *Biodiversity Conservation Act 2016*.
- *Acacia kingiana* is listed as extinct under the *Biodiversity Conservation Act 2016*.
- Listing reference in a table: column heading: BC Act, row text: EX.

EW Extinct in the wild species

Species that “*is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; and it has not been recorded in its known habitat or expected habitat, at appropriate seasons, anywhere in its past range, despite surveys over a time frame appropriate to its life cycle and form*”, and listing is otherwise in accordance with the ministerial guidelines (section 25 of the BC Act).

Currently there are no fauna or flora species listed as extinct in the wild.

SP Specially protected species

Listed by order of the Minister as specially protected under section 13(1) of the BC Act. Meeting one or more of the following categories: species of special conservation interest; migratory species; cetaceans; species subject to international agreement; or species otherwise in need of special protection.

Species that are listed as threatened species (critically endangered, endangered, or vulnerable) or extinct species under the BC Act cannot also be listed as specially protected species.

MI Migratory species

Fauna that periodically or occasionally visit Australia or an external Territory or the exclusive economic zone; or the species is subject of an international agreement that relates to the protection of migratory species and that binds the Commonwealth; and listing is otherwise in accordance with the ministerial guidelines (section 15 of the BC Act).

Migratory species include birds that are subject to an agreement between the government of Australia and the governments of Japan (JAMBA)⁴, China (CAMBA)⁵ or The Republic of Korea (ROKAMBA)⁶, and fauna subject to the *Convention on the Conservation of Migratory Species of Wild Animals* (Bonn Convention)⁷, an environmental treaty under the United Nations Environment Program. Migratory species listed under the BC Act are a subset of the migratory animals, that are known to visit Western Australia, protected under the international agreements or treaties, excluding species that are listed as Threatened species.

Examples of use:

- The wedge-tailed shearwater (*Ardenna pacifica*) is listed as a specially protected migratory species under the *Biodiversity Conservation Act 2016*.
- Wedge-tailed shearwater is listed as migratory under the *Biodiversity Conservation Act 2016*.
- Listing reference in a table: column heading: BC Act, row text: MI.

CD Species of special conservation interest (conservation dependent)

Species of special conservation need that are dependent on ongoing conservation intervention to prevent it becoming eligible for listing as threatened, and listing is otherwise in accordance with the ministerial guidelines (section 14 of the BC Act).

Currently only fauna are listed as species of special conservation interest.

Examples of use:

- The wambenger, south-western brush-tailed phascogale (*Phascogale tapoatafa wambenger*) is listed as a specially protected species of special conservation interest under the *Biodiversity Conservation Act 2016*.
- Wambenger, south-western brush-tailed phascogale, is listed as conservation dependent under the *Biodiversity Conservation Act 2016*.
- Listing reference in a table: column heading: BC Act, row text: CD.

OS Species otherwise in need of special protection (other specially protected)

Species otherwise in need of special protection to ensure their conservation, and listing is otherwise in accordance with the ministerial guidelines (section 18 of the BC Act).

Currently only fauna are listed as species otherwise in need of special protection.

Examples of use:

- The dugong (*Dugong dugon*) is listed as a specially protected species otherwise in need of special protection under the *Biodiversity Conservation Act 2016*.
- Dugon is listed as other specially protected fauna under the *Biodiversity Conservation Act 2016*.
- Listing reference in a table: column heading: BC Act, row text: OS.

P Priority species

Priority is not a listing category under the BC Act. The Priority Flora and Fauna lists are maintained by the department and are published on the department's website.

All fauna and flora are protected in WA following the provisions in Part 10 of the BC Act. The protection applies even when a species is not listed as threatened or specially protected, and regardless of land tenure (State managed land (Crown land), private land, or Commonwealth land).

Species that may possibly be threatened species that do not meet the criteria for listing under the BC Act because of insufficient survey or are otherwise data deficient, are added to the Priority Fauna or Priority Flora Lists under Priorities 1, 2 or 3. These three categories are ranked in order of prioritisation for survey and evaluation of conservation status so that consideration can be given to potential listing as threatened.

Species that are adequately known, meet criteria for near threatened, or are rare but not threatened, or that have been recently removed from the threatened species list or conservation dependent or other specially protected fauna lists for other than taxonomic reasons, are placed in Priority 4. These species require regular monitoring.

Assessment of priority status is based on the Western Australian distribution of the species, unless the distribution in WA is part of a contiguous population extending into adjacent States, as defined by the known spread of locations.

1 Priority 1: Poorly-known species - known from few locations, none on conservation lands

Species that are known from one or a few locations (generally five or less) which are potentially at risk. All occurrences are either: very small; or on lands not managed for conservation, for example, agricultural or pastoral lands, urban areas, road and rail reserves, gravel reserves and active mineral leases; or otherwise under threat of habitat destruction or degradation.

Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements for threatened listing and appear to be under immediate threat from known threatening processes. These species are in urgent need of further survey.

Examples of use:

- *Borya stenophylla* is listed as a Priority 1 species by the Department of Biodiversity, Conservation and Attractions.
- *Borya stenophylla* is listed as Priority 1 on the DBCA Priority Flora List.
- Listing reference in a table: column heading: DBCA, row text: P1.

2 Priority 2: Poorly-known species - known from few locations, some on conservation lands

Species that are known from one or a few locations (generally five or less), some of which are on lands managed primarily for nature conservation, for example, national parks, conservation parks, nature reserves and other lands with secure tenure being managed for conservation.

Species may be included if they are comparatively well known from one or more locations but do not meet adequacy of survey requirements for threatened listing and appear to be under threat from known threatening processes. These species are in urgent need of further survey.

Examples of use:

- *Caladenia nivalis* is listed as a Priority 2 species by the Department of Biodiversity, Conservation and Attractions.
- *Caladenia nivalis* is listed as Priority 2 on the DBCA Priority Flora List.
- Listing reference in a table: column heading: DBCA, row text: P2.

3 Priority 3: Poorly-known species - known from several locations

Species that are known from several locations and the species does not appear to be under imminent threat or from few but widespread locations with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat.

Species may be included if they are comparatively well known from several locations but do not meet adequacy of survey requirements and known threatening processes exist that could affect them. These species need further survey.

Examples of use:

- *Acacia nitidula* is listed as a Priority 3 species by the Department of Biodiversity, Conservation and Attractions.
- *Acacia nitidula* is listed as Priority 3 on the DBCA Priority Flora List.
- Listing reference in a table: column heading: DBCA, row text: P3.

4 Priority 4: Rare, Near Threatened and other species in need of monitoring

(a) Rare. Species that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection but could be if present circumstances change. These species are usually represented on conservation lands.

(b) Near Threatened. Species that are considered to have been adequately surveyed and that are close to qualifying for vulnerable but are not listed as a conservation dependent specially protected species.

(c) Species that have been removed from the list of threatened species or lists of conservation dependent or other specially protected species, during the past five years for reasons other than taxonomy.

(d) Other species in need of monitoring.

Examples of use:

- *Banksia aculeata* is listed as a Priority 4 species by the Department of Biodiversity, Conservation and Attractions.
- *Banksia aculeata* is listed as Priority 4 on the DBCA Priority Flora List.
- Listing reference in a table: column heading: DBCA, row text: P4.

¹ The definition of flora includes algae, fungi, and lichens.

² Species includes all taxa (plural of taxon - a classificatory group of any taxonomic rank, e.g. a family, genus, species or any infraspecific category i.e. subspecies or variety, or a distinct population).

³ Western Australia has assigned species to threat categories using the *IUCN Red List of Threatened Species Categories and Criteria* since 1996 (referencing all criteria).

⁴ JAMBA - first included in the WA migratory species list in 1980.

⁵ CAMBA - first included in the WA migratory species list in 2010.

⁶ ROKAMBA - first included in the WA migratory species list in 2010.

⁷ Bonn Convention (Birds) - first included in the WA migratory species list in 2015.

Appendix 2: EPBC PMST Results



Australian Government

Department of Climate Change, Energy,
the Environment and Water

EPBC Act Protected Matters Report

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

Report created: 6-June-2025

[Summary](#)

[Details](#)

[Matters of NES](#)

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

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)

Summary

Matters of National Environment Significance

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

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	22
Listed Migratory Species:	9

Other Matters Protected by the EPBC Act

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

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

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

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	14
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

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

State and Territory Reserves:	None
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	1
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	None
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Listed Threatened Species

[Resource Information]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.
Number is the current name ID.

Scientific Name	Threatened Category	Presence Text
BIRD		
Aphelocephala leucopsis Southern Whiteface [529]	Vulnerable	Species or species habitat likely to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area
Leipoa ocellata Malleefowl [934]	Vulnerable	Species or species habitat likely to occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area

Scientific Name	Threatened Category	Presence Text
Zanda latirostris listed as Calyptorhynchus latirostris		
Carnaby's Black Cockatoo, Short-billed Black-cockatoo [87737]	Endangered	Species or species habitat likely to occur within area
MAMMAL		
Dasyurus geoffroi		
Chuditch, Western Quoll [330]	Vulnerable	Species or species habitat may occur within area
Macroderma gigas		
Ghost Bat [174]	Vulnerable	Species or species habitat may occur within area
PLANT		
Caladenia elegans		
Elegant Spider-orchid [56775]	Endangered	Species or species habitat may occur within area
Caladenia hoffmanii		
Hoffman's Spider-orchid [56719]	Endangered	Species or species habitat likely to occur within area
Caleana dixonii listed as Paracaleana dixonii		
Sandplain Duck Orchid [87944]	Endangered	Species or species habitat may occur within area
Chorizema humile		
Prostrate Flame Pea [32573]	Endangered	Species or species habitat may occur within area
Conostylis dielsii subsp. teres		
Irwin's Conostylis [3614]	Endangered	Species or species habitat may occur within area
Conostylis micrantha		
Small-flowered Conostylis [17635]	Endangered	Species or species habitat may occur within area
Drummondita ericoides		
Morseby Range Drummondita [9193]	Endangered	Species or species habitat likely to occur within area
Eucalyptus cuprea		
Mallee Box [56773]	Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Leucopogon marginatus Thick-margined Leucopogon [12527]	Endangered	Species or species habitat may occur within area
REPTILE		
Egernia stokesii badia Western Spiny-tailed Skink, Baudin Island Spiny-tailed Skink [64483]	Endangered	Species or species habitat may occur within area
SPIDER		
Idiosoma nigrum Shield-backed Trapdoor Spider, Black Rugose Trapdoor Spider [66798]	Vulnerable	Species or species habitat may occur within area
Listed Migratory Species [Resource Information]		
Scientific Name	Threatened Category	Presence Text
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area

Scientific Name	Threatened Category	Presence Text
Pandion haliaetus Osprey [952]		Species or species habitat may occur within area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species	[Resource Information]	
Scientific Name	Threatened Category	Presence Text
Bird		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Species or species habitat may occur within area overfly marine area
Calidris acuminata Sharp-tailed Sandpiper [874]	Vulnerable	Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area overfly marine area

Scientific Name	Threatened Category	Presence Text
Chalcites osculans as Chrysococcyx osculans Black-eared Cuckoo [83425]		Species or species habitat likely to occur within area overfly marine area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat likely to occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area overfly marine area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat may occur within area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area overfly marine area
Tringa nebularia Common Greenshank, Greenshank [832]	Endangered	Species or species habitat likely to occur within area overfly marine area

Extra Information

EPBC Act Referrals			[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed

Title of referral	Reference	Referral Outcome	Assessment Status
Not controlled action			

Caveat

1 PURPOSE

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

The report contains the mapped locations of:

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

2 DISCLAIMER

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

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

3 DATA SOURCES

Threatened ecological communities

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

Threatened, migratory and marine species

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

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

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

4 LIMITATIONS

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

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

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

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

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

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

Acknowledgements

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

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

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

Please feel free to provide feedback via the [Contact us](#) page.

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Appendix 3: DBCA flora search results

Sheet	NameID	Taxon	Cons_Code	Locality	Latitude	Longitude	Geo_Method	Precision	Date
6445047	3358	Acacia guinetii	4	Adjacent Quadrat 1 Bushland Plant Survey of remnant vegetation on Keith and Maureen Jones property Bulls Swamp in the Shire of Chapman Valley c. 24 km N and 35 km NE of the Geraldton Townsite. (c. 450 km N of Perth). The bush block is in the Chapman River	-28.536	114.7292101	GPS	1	28/08/1999
196452	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.643	114.6516667	MAN	2	2/09/1983
755729	3358	Acacia guinetii	4	Moresby Range	-28.702	114.675	MAN	3	19/07/1984
196940	3358	Acacia guinetii	4	Wokatharra Hill, 20 km NE [of] Geraldton	-28.650	114.65	MAN	2	28/08/1981
196444	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.650	114.65	MAN	2	2/09/1983
196428	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.650	114.65	MAN	2	2/09/1982
195987	3358	Acacia guinetii	4	10 miles NE of Geraldton	-28.650	114.7166667	MAN	3	8/09/1962
197378	3358	Acacia guinetii	4	8 km W [of] Nanson towards Howatharra	-28.550	114.6916667	MAN	3	22/08/1973
196924	3358	Acacia guinetii	4	Ca 3 miles (4.8 km) W of Nanson, (ca 22 miles (35.4 km) NNE of Geraldton by road)	-28.550	114.7166667	MAN	3	27/08/1970
196908	3358	Acacia guinetii	4	Howatharra Range, 4.7 miles (7.5 km) N of Nanson	-28.517	114.7666667	MAN	3	22/08/1973
197416	3358	Acacia guinetii	4	Howatharra Range, 4.7 miles (7.5 km) N of Nanson	-28.517	114.7666667	MAN	3	22/08/1973
196932	3358	Acacia guinetii	4	Howatharra-Nanson Road in Moresby Ranges, on saddle over Moresby Ranges	-28.702	114.675	MAN	3	//
196916	3358	Acacia guinetii	4	Ca 5 miles (8.1 km) W of Nanson, (ca 24 miles (38.6 km) NNE of Geraldton by road)	-28.550	114.6666667	MAN	3	27/08/1970
5825784	3358	Acacia guinetii	4	Small area of uncleared land on private land - Moresby Range,	-28.595	114.6775	MAN	2	29/06/2000
5808251	3358	Acacia guinetii	4	The Brothers, Moresby Ranges,	-28.708	114.7069444	MAN	3	8/07/2000
6600050	3358	Acacia guinetii	4	Moresby Conservation Park, quadrat 6	-28.607	114.6639887	GPS	1	6/08/2002
6420486	3358	Acacia guinetii	4	Moresby Conservation Park, Site 2	-28.619	114.6819889	GPS	1	31/07/2002
919640	3358	Acacia guinetii	4	Nanson-Howatharra road ca 7 km W of Nanson	-28.550	114.7	MAN	3	12/03/1986
197408	3358	Acacia guinetii	4	Moresby Range	-28.702	114.675	MAN	3	//
196479	3358	Acacia guinetii	4	Howatharra Range	-28.600	114.7166667	MAN	4	12/11/1981
196363	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.650	114.65	MAN	3	2/09/1983
9580662	3358	Acacia guinetii	4	Nanson to Howatharra Road	-28.548	114.6961111	TOPO	3	26/07/1969
197335	3358	Acacia guinetii	4	Moresby Range	-28.702	114.675	MAN	3	30/08/1972
1778439	3358	Acacia guinetii	4	7.5 km from Nanson on the road to Howatharra	-28.558	114.6741667	AUTO	3	4/12/1991
196460	3358	Acacia guinetii	4	8 km W of Nanson	-28.550	114.6916667	MAN	3	8/10/1972
196851	3358	Acacia guinetii	4	White Peak Station, ca 18 km NE [of] Geraldton	-28.633	114.7166667	MAN	3	29/08/1980
196398	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.650	114.65	MAN	3	2/09/1983
196371	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.650	114.65	MAN	3	2/09/1983
197327	3358	Acacia guinetii	4	Wells Park, 27.6 km S of Horrick Beach turnoff, 4 km E of North West Coastal Highway [Ca 5 km due N of Wokatherra Hill].	-28.600	114.65	MAN	3	26/08/1983
197394	3358	Acacia guinetii	4	Moresby Range	-28.702	114.675	MAN	3	19/09/1966
196401	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.650	114.65	MAN	2	2/09/1983
196959	3358	Acacia guinetii	4	4.4 km NE of Moonyoonooka turnoff on Nanson to Geraldton Road, Mr. Heinrichs farm [Ca 7 km ESE of Wokatherra Hill].	-28.667	114.7166667	MAN	3	25/08/1983
195995	3358	Acacia guinetii	4	10 miles NE of Geraldton	-28.650	114.7166667	MAN	3	8/09/1962
196436	3358	Acacia guinetii	4	Wokatherra Hill, ca 15 km N of Geraldton	-28.650	114.65	MAN	2	2/09/1982
8988382	3358	Acacia guinetii	4	Morseby Conservation Park, along N-S track on western side of reserve	-28.609	114.6610278	GPS	1	23/11/2017
759449	3358	Acacia guinetii	4	Moresby Range	-28.702	114.675	MAN	3	30/08/1972
759430	3358	Acacia guinetii	4	Moresby Range	-28.702	114.675	MAN	3	30/08/1972
5889510	3358	Acacia guinetii	4	The Brothers, Moresby Range, access via Chapman Valley Road and Mills Lookout,	-28.700	114.7	MAN	3	5/08/2000
173401	3437	Acacia megacephala	3	10 miles E of Geraldton	-28.617	114.6333333	TOPO	3	3/12/1961
637254	3437	Acacia megacephala	3	19 miles E of Geraldton on the road to Mullewa (at Kojarena siding)	-28.733	114.8666667	TOPO	3	8/08/1970
173851	3437	Acacia megacephala	3	Northern Gully	-28.717	114.9166667	TOPO	3	14/06/1971
173827	3437	Acacia megacephala	3	Ca 50.5 miles W of Mullewa on the road to Geraldton	-28.783	114.75	TOPO	3	30/03/1970
173800	3437	Acacia megacephala	3	10 miles E of Geraldton towards Mullewa	-28.617	114.6333333	TOPO	3	23/04/1970
173347	3437	Acacia megacephala	3	19 miles E of Geraldton	-28.717	114.8833333	TOPO	3	17/10/1967
173843	3437	Acacia megacephala	3	3.2 km E of Northern Gully (34 km E of Geraldton) towards Mullewa	-28.717	114.95	TOPO	3	5/10/1972
173835	3437	Acacia megacephala	3	19 miles E Geraldton	-28.717	114.8833333	TOPO	3	8/08/1970
637238	3437	Acacia megacephala	3	19 miles E Geraldton, towards Mullewa	-28.717	114.8833333	TOPO	3	8/08/1970
896942	3437	Acacia megacephala	3	22 miles E of Geraldton	-28.717	114.9666667	TOPO	3	28/08/1964
173428	3437	Acacia megacephala	3	Kojarena, 18 miles (29 km) ENE of Geraldton, 0.5 miles (0.8 km) S of the Geraldton - Mullewa Road	-28.733	114.8666667	TOPO	3	25/08/1970
764787	3437	Acacia megacephala	3	19 miles E of Geraldton towards Mullewa (opposite Kojarena Siding)	-28.733	114.8666667	TOPO	3	8/08/1970
764795	3437	Acacia megacephala	3	19 miles E of Geraldton towards Mullewa (at Kojarena Siding)	-28.733	114.8666667	TOPO	3	8/08/1970
764809	3437	Acacia megacephala	3	19 miles E of Geraldton towards Mullewa (at Kojarena Siding)	-28.733	114.8666667	TOPO	3	8/08/1970
765236	3437	Acacia megacephala	3	19 miles E of Geraldton towards Mullewa (at Kojarena Siding)	-28.733	114.8666667	TOPO	3	8/08/1970
173436	3437	Acacia megacephala	3	17 miles E of Geraldton	-28.767	114.7833333	TOPO	3	12/08/1956
888354	3437	Acacia megacephala	3	17 miles E of Geraldton	-28.767	114.7833333	TOPO	3	12/08/1956
173398	3437	Acacia megacephala	3	Northern Gully (E of Geraldton)	-28.717	114.9166667	TOPO	3	2/12/1971
8416575	3437	Acacia megacephala	3	Geraldton to Mullewa Rail Corridor, 300 m NE of Kojarena	-28.722	114.8663222	GPS	1	18/09/2010
8416664	3437	Acacia megacephala	3	Geraldton to Mullewa Rail Corridor, 8.5 km E of Kojarena	-28.717	114.95	GPS	1	18/09/2010
4400585	3437	Acacia megacephala	3	Kojarena South Road on S side of railway line S of the Mullewa-Geraldton road (Kojarena Siding)	-28.717	114.85	MAN		6/07/1995
173363	3437	Acacia megacephala	3	23 miles E of Geraldton on road to Mullewa	-28.712	114.9605556	TOPO	2	//1967
637246	3437	Acacia megacephala	3	10 miles E of Geraldton	-28.767	114.7880556	TOPO	2	23/09/1932
4400577	3437	Acacia megacephala	3	Mullewa - Geraldton Road, 6.5 km E of Kojarena Siding just E of Northern Gully, rail and road reserve on S side	-28.717	114.85	MAN	3	6/07/1995
5947634	3437	Acacia megacephala	3	Geraldton - Mullewa Road, behind parking bay - old rail reserve at 34.8 km E of Geraldton (measured from ring road), ca 3.5 km E of Northern gully	-28.712	114.9493509	GPS	1	25/10/2001
98555	3437	Acacia megacephala	3	N side of Geraldton-Mt Magnet Rd, on E side of junction with Kojarena North Rd.	-28.720	114.86			6/07/1995
98556	3437	Acacia megacephala	3	Kojarena South Rd, on S side of railway line, S of the Geraldton-Mt Magnet Rd (Kojarena siding).	-28.720	114.86			6/07/1995
98558	3437	Acacia megacephala	3	Geraldton-Mt Magnet Rd, 6.5 km E of Kojarena Siding just E of Northern Gully, S side.	-28.712	114.9239343			6/07/1995
98559	3437	Acacia megacephala	3	Geraldton-Mt Magnet Rd, 6.5 km E of Kojarena Siding just E of Northern Gully, S side.	-28.712	114.9239343			6/07/1995
98564	3437	Acacia megacephala	3	Geraldton-Mt Magnet Rd, ca. 3.5 km E of Northern Gully. Behind parking bay - old rail reserve.	-28.712	114.9493509			25/10/2001
98565	3437	Acacia megacephala	3	Geraldton-Mt Magnet Rd, ca. 3.5 km E of Northern Gully. Behind parking bay - old rail reserve.	-28.712	114.9493509			25/10/2001
8959692	1207	Acanthocarpus parviflorus	3	Near North West Coastal Highway, N of Geraldton	-28.671	114.7425077	GPS	1	23/10/2009
5808162	1207	Acanthocarpus parviflorus	3	The Brothers, Moresby Ranges,	-28.708	114.6902778	MAN	3	8/07/2000
6420702	40906	Androcalva microphylla	2	Morseby Conservation , not in quadrat ?	-28.617	114.6666667	MAN	3	25/09/2002
6841325	6948	Anthocercis intricata	3	Brand Highway E side of road, Tarcoola, Geraldton	-28.767	114.6166667	TOPO	3	1/06/2004
5226228	14476	Baeckea sp. Walkaway (A.S. George 11249)	3	2.5 km ESE Mumbemarra Hill,	-28.665	114.741649	MAN		29/11/1997
5226201	14476	Baeckea sp. Walkaway (A.S. George 11249)	3	7.4 km N of North Gully farm house on Valentine Road, 10.4 km SW of Station Valentine Road	-28.644	114.9947415	MAN		28/11/1997
1093916	1846	Banksia scabrella	4	?Geraldton district	-28.767	114.6166667	MAN	4	19/09/1962
1093878	1846	Banksia scabrella	4	Geraldton district.	-28.767	114.6166667	MAN	4	12/09/1964
8588171	34236	Beyeria cinerea subsp. cinerea	3	Lot 800 Old Acres Estate, to the east of Geraldton townsite	-28.797	114.6499132	GPS	1	3/10/2012
8767831	34236	Beyeria cinerea subsp. cinerea	3	Remnant vegetaion on farm, located c. 2 km NW of Rudds Gully Road, adjacent to railway line, Narngulu, c. 10 km SW of Geraldton	-28.801	114.651472	UNK	1	21/10/2009
6321445	31606	Blackallia nudiflora	3	N bank of Chapman River opposite Polo Road Gauging Station	-28.783	114.7	MAN	3	5/08/2002
8959773	31606	Blackallia nudiflora	3	0.84 km E from Crown Reserve and North West Coastal Highway, 5.42 km E from the mouth of Oakajee River, 5.6 km S from Howatharra, 4.43 km S from intersection of Coronation Beach Road and 20.97 km NNE from Geraldton town centre	-28.585	114.6384668	GPS	1	20/08/2009
2722976	30232	Bossiaea calcicola	3	Hutt Lagoon, E side	-28.550	114.7	MAN		30/08/1983

2985772	48443	Brachyloma pirara	2	Wicherina turnoff, Geraldton - Mullewa Road	-28.717	115	MAN	3	17/07/1966
91200	13618	Caladenia elegans	T	`Wicherina` Water Reserve 17711 (Loc 9726). Ca. 20m S of main access road, past dam, ca. 2.5km S of Geraldton-Mt Magnet Road.	-28.735	114.9940278			22/08/2008
6445551	13857	Caladenia hoffmanii	T	Quadrat 16 Bushland Plant Survey of remnant vegetation on Greg and Tanya Burrows property Hawkrise in the Shire of Chapman Valley c. 24 km N and 35 km NE of the Geraldton Townsite. (c. 450 km N of Perth). The bush block straddles the Oakajee and Buller N	-28.589	114.652266	GPS	1	29/08/1999
6445543	13857	Caladenia hoffmanii	T	Quadrat 13 Bushland Plant Survey of remnant vegetation on Greg and Tanya Burrows property Hawkrise in the Shire of Chapman Valley c. 24 km N and 35 km NE of the Geraldton Townsite. (c. 450 km N of Perth). The bush block straddles the Oakajee and Buller N	-28.767	114.6867134	GPS	1	29/08/1999
330841	13857	Caladenia hoffmanii	T	Howatharra Hills, ca 21 km NE of Geraldton	-28.600	114.7166667	MAN	4	27/08/1980
9255656	13857	Caladenia hoffmanii	T	4.89 km E from bridge crossing of the Chapman Valley Road over the Chapman River. 18.97 km NE from Geraldton town centre	-28.657	114.753809	GPS	1	19/08/2009
102149	13857	Caladenia hoffmanii	T	Road reserve of Nanson Howatharra Rd, ~3.6km E of NW Coastal Hwy. Base of Howatharra Hill.[Previously 2A; now includes all plants located in road reserve in this area.]	-28.546	114.6625556			3/09/2008
102150	13857	Caladenia hoffmanii	T	Howatharra NR No.40587, ca.3.6km E of NW Coastal Hwy on Nanson Howatharra Rd, S of road, base of Howatharra hill.	-28.548	114.6616667			12/09/2007
102152	13857	Caladenia hoffmanii	T	Howatharra NR No.40587. W side of track running N-S along eastern edge of reserve. ~470m S of road.	-28.549	114.6675			10/09/2010
106065	13857	Caladenia hoffmanii	T	Bella Vista Road, western verge. Adjacent to Howatharra Nature Reserve. [Ca. 20m and 60m north along road from the intersection with Nanson Howatharra Rd].	-28.545	114.6660794			27/09/2011
106066	13857	Caladenia hoffmanii	T	Howatharra Nature Reserve (40587), Lot 11764. Adjacent to the intersection of Nanson Howatharra Rd and Bella Vista Rd [on the east and west side of the intersection in the nature	-28.545	114.665996			27/09/2011
102160	13857	Caladenia hoffmanii	T	Oakajee NR No.331, ca.1.8 km E of NW Coastal Hwy on Olsen Rd, 40m S of rd, within creek.	-28.570	114.6441667			19/09/2006
102161	13857	Caladenia hoffmanii	T	Along that section of Olsen Road which bisects Oakajee Nature Reserve No.331 & track running north of Olsen Road(WANOSG advised APB in September 2005)	-28.570	114.6555			23/08/2009
102162	13857	Caladenia hoffmanii	T	Oakajee Nature Reserve, both side of the track at the NE corner of the reserve. Also along fenceline/track heading S from Olsen Rd along edge of reserve, up to 160m S from rd.	-28.571	114.6574444			12/09/2007
102163	13857	Caladenia hoffmanii	T	Private Property at 342 Olsen Rd Howatharra (Lot 3 on Diagram 39476), immediately east of Oakajee Nature Reserve. 50-60m S of Olsen Road.	-28.571	114.6575556			12/09/2007
91460	13857	Caladenia hoffmanii	T	Private Property Location No 100 [prev. 924] south of the Oakajee Nature Reserve No.331, in drainage line.	-28.580	114.6541667			28/08/2002
102165	13857	Caladenia hoffmanii	T	Oakajee Nature Reserve No.331. E edge of nature reserve near SE corner. Along drainage line that runs E-W. ~540m S of Olsen Rd.	-28.576	114.6555278			2/09/2004
102166	13857	Caladenia hoffmanii	T	Oakajee Nature Reserve No.331, southern boundary adjacent to Location No 3441 and where drainage line crosses boundary. Creek running E-W through the reserve.	-28.579	114.6566389			2/09/2004
102167	13857	Caladenia hoffmanii	T	Private Property Lot 3441 on Plan 128378.Adjoining Oakajee Nature Reserve. Occurs throughout drainage line that extends from NW-SE from the SE corner of the reserve into Lot 3441.	-28.579	114.6580833			14/09/2000
102169	13857	Caladenia hoffmanii	T	Proposed 'Moresby Range Conservation Park' north of Wokatherra, plants occur along a creek in the southern area of this reserve.	-28.625	114.6686944			3/09/2008
102170	13857	Caladenia hoffmanii	T	Proposed 'Moresby Range Conservation Park', Lot 31, north of Wokatherra, plants occur along a creek in the western area of reserve. Also more plants ~100m N along creek from this coord.	-28.623	114.667206			27/09/2011
102171	13857	Caladenia hoffmanii	T	Proposed 'Moresby Range Conservation Park' north of Wokatherra. More plants found ~100m N of this location.	-28.621	114.6708889			3/09/2008
102172	13857	Caladenia hoffmanii	T	Proposed 'Moresby Range Conservation Park' north of Wokatherra. Multiple plants spread around this area (this coordinate centre of 200m line NW to SE).	-28.624	114.6642222			12/09/2009
102173	13857	Caladenia hoffmanii	T	Proposed 'Moresby Range Conservation Park' north of Wokatherra. Multiple plants spread around this area	-28.629	114.6655			12/09/2009
102174	13857	Caladenia hoffmanii	T	Proposed 'Moresby Range Conservation Park' north of Wokatherra.	-28.628	114.6611667			12/09/2009
102175	13857	Caladenia hoffmanii	T	Proposed 'Moresby Range Conservation Park' north of Wokatherra. Several plants in this area	-28.621	114.6581389			12/09/2009
106067	13857	Caladenia hoffmanii	T	Proposed White Peak Nature Reserve [Proposed Moresby Conservation Park], Lot 31.	-28.623	114.6703609			27/09/2011
106068	13857	Caladenia hoffmanii	T	Proposed White Peak Nature Reserve [proposed Moresby Conservation Park]. Lot 14 (144) Carey Rd, White Peak.	-28.623	114.65578			27/09/2011
91455	13857	Caladenia hoffmanii	T	Private Property Lot 9 on Plan 13548, White Peak Rd, White Peak.2.4km E of North West Coastal	-28.634	114.6540556			21/09/2009
91457	13857	Caladenia hoffmanii	T	Mills Lookout, Chapman Valley Rd. Lot 100 and 101. South of Chapman Valley Road.	-28.702	114.6950278			4/09/2008
5958911	19304	Calectasia browneana	2	45 km E of Geraldton on the Geraldton - Mount Magnet road, Irwin District	-28.716	115.0003231	GPS	1	9/09/1997
9111123	48324	Chamaescilla maculata	1	Howatharra Nature Reserve	-28.545	114.6670833	UNK	2	30/08/2018
1227653	35596	Chamelaucium sp. Yuna (A.C. Burns	2	Geraldton	-28.770	114.6163889	AUTO	3	10/09/1968
3414116	13115	Chorizema humile	T	Kojareena	-28.725	114.8663889	AUTO	3	/08/1967
9698892	13115	Chorizema humile	T	Private property, ca. 100 m S of Ivan Goulds Road, where road meets farm gate	-28.785	114.813833	GPS	1	17/08/2021
8772487	13115	Chorizema humile	T	Kojarena, on private property, in remnant vegetation on S edge of Ivan Gould's Road, where road terminates at farm gate, on E boundary of vegetation near fenceline track, near NE corner of vegetation	-28.785	114.813833	GPS	1	11/08/2009
90796	13115	Chorizema humile	T	Private property (Kojarena) Lot 3 Moonyoonooka Station in remnant veg on S edge of Ivan Goulds rd where road terminates at farm gate. On E boundary of veg near fenceline track, NE corner of veg. Shire of Geraldton-Greenough.	-28.785	114.8138333			11/03/2010
8591318	50127	Darwinia sphaerica	2	1 km from Kojarena, 20 m E of Geraldton-Mt Magnet road, City of Geraldton-Greenough [The true locality is probably near Canna. B.L. Rye 03/11/2020]	-28.718	114.872539	TOPO	2	4/10/2011
2139545	17624	Desmocladius glomeratus	2	Geraldton Area - Chapman Valley, Howatharra Road (W of Nanson) opposite Junction Road to No. 14 Hill	-28.558	114.7563889	AUTO	3	22/09/1976
8054940	17624	Desmocladius glomeratus	2	6.5 km E of North West Coastal Highway on Nanson - Howathara Road	-28.543	114.6961111	UNK	3	25/08/2006
8054827	17624	Desmocladius glomeratus	2	6.5 km E of North West Coastal Highway on Nanson - Howathara Road	-28.543	114.6961111	UNK	3	25/08/2006
8054894	17624	Desmocladius glomeratus	2	6.5 km E of North West Coastal Highway on Nanson - Howathara Road	-28.543	114.6961111	UNK	3	25/08/2006
8270120	12936	Diuris recurva	4	Site No. GRV0810, W of Carey Road, 1 km N of White Peak Road, N of Geraldton	-28.615	114.6472222	GPS	1	12/08/2008
7519273	12936	Diuris recurva	4	Howatharra Hill Nature Reserve	-28.546	114.6652778	UNK	2	7/08/1994
8313288	12936	Diuris recurva	4	1.2 km Oakajee Nature Reserve	-28.569	114.65057	TOPO	2	7/08/1994
8959757	12936	Diuris recurva	4	E of the Moresby Ranges	-28.628	114.6618113	GPS	1	20/08/2009
9014187	12936	Diuris recurva	4	4.4 km NE of Moonyoonooka turnoff on Nanson-Geraldton Road, Heinrich's Farm	-28.667	114.7166667	MAN	3	25/08/1983
126791	12936	Diuris recurva	4	Oakajee Nature Reserve, (R 331) 2.6km east of North West Coastal Highway	-28.569	114.6519444			7/08/1994
126806	12936	Diuris recurva	4	Oakajee Nature Reserve, (R 331) 3.2km east of North West Coastal Highway. [Plants ca 120m south of road past open area]	-28.571	114.65505			17/08/2019
126792	12936	Diuris recurva	4	Road Reserve Nanson Howatharra Road ca 4.1 km east of North West Coastal Hghway. [Plants on west side of track to picnic table]	-28.546	114.6652167			17/08/2019
126799	12936	Diuris recurva	4	PP Lot 2729 (pln 114658) Carey Road ca 1.9km north of White Peak Road Oakajee	-28.615	114.6472222			12/08/2008
126800	12936	Diuris recurva	4	PP Lot 12 (Plan 013548) White Peak Road Wokatherra, north of Geraldton	-28.628	114.6618056			20/08/2009
957607	4458	Drummondita ericoides	T	White Peak, Geraldton	-28.633	114.6333333	MAN	3	//1901
957569	4458	Drummondita ericoides	T	White Peak just N of Geraldton.	-28.633	114.6333333	MAN	3	/10/1926
957550	4458	Drummondita ericoides	T	White Peak just N of Geraldton.	-28.633	114.6333333	MAN	3	/09/1926
957577	4458	Drummondita ericoides	T	Rocky eastern side of White Peak, 12 miles N of Geraldton.	-28.633	114.6333333	MAN	3	/10/1926
957593	4458	Drummondita ericoides	T	Summit of White Peak near Geraldton	-28.633	114.6333333	MAN	3	1/10/1926
957542	4458	Drummondita ericoides	T	Near summit of White Peak.	-28.633	114.6333333	MAN	3	1/10/1926
957585	4458	Drummondita ericoides	T	White Peak prope [near] Champion Bay.	-28.633	114.6333333	MAN	3	1/10/1926
957534	4458	Drummondita ericoides	T	White Peak prope [near] Champion Bay.	-28.633	114.6333333	MAN	3	1/10/1926
9508708	4458	Drummondita ericoides	T	Moresby Range Conservation Park. W facing slope E of gully	-28.622	114.671694	GPS	1	20/08/2020
6095836	4458	Drummondita ericoides	T	Land corp property	-28.620	114.6599444	TOPO	2	22/02/2001

6137962	4458	Drummondita ericoides	T	Moresby Conservation Reserve	-28.617	114.6333333	MAN	3	11/08/2001
5689015	4458	Drummondita ericoides	T	Murphy Farm, newly acquired CALM estate, W facing slope,	-28.622	114.6717112	GPS	1	5/10/2000
7438788	4458	Drummondita ericoides	T	ESE White Peak	-28.617	114.6333333	TOPO	4	16/06/1981
8997667	4458	Drummondita ericoides	T	Moresby Conservation Park, ca. 250 m E of central cleared area of park on steep N-facing slope below breakaway	-28.622	114.6716944	GPS	1	23/11/2017
6113508	4458	Drummondita ericoides	T	Murphyl Farm, Chapman Valley	-28.621	114.6727778	GPS	1	30/11/2001
5689007	4458	Drummondita ericoides	T	Murphy Farm, newly acquired CALM estate,	-28.622	114.6710833	MAN		5/10/2000
957526	4458	Drummondita ericoides	T	Summit of White Peak.	-28.633	114.6333333	MAN	3	1/10/1926
99138	4458	Drummondita ericoides	T	Wokatherra NR No.39276, White Peak, W slopes ca.60m down from white scree.	-28.649	114.6458889			14/07/2004
99139	4458	Drummondita ericoides	T	Wokatherra NR No.39276, E of White Peak, along top of ridges incl. saddles, floor & slopes of gully to S.	-28.651	114.6514167			14/07/2004
99141	4458	Drummondita ericoides	T	Location No 3565, (Murphyl Farm) proposed `Moresby Range Conservation Park`, west facing slope above gully ca. 70m east of cleared patch, at white exposed rock; off White Peak Road,	-28.622	114.6716944			8/07/2004
99142	4458	Drummondita ericoides	T	Location No 3565, (Murphyl Farm) proposed `Moresby Range Conservation Park`, east of cleared area, side of peak, east of gully; off White Peak Road, Oakajee.	-28.621	114.6725278			8/07/2004
99143	4458	Drummondita ericoides	T	Location No. 3721, `Murphyl Farm` soon to be acquired by CALM, west facing slope adjacent to Location No 2598, off Careys Road, Oakajee.	-28.620	114.6599444			22/02/2001
87099	4458	Drummondita ericoides	T	Western slope of Moresby Reserve. Population in 2 clusters seperated by a thicket of Melaleuca and Hakea.	-28.617	114.65925			18/07/2003
5829933	29555	Enekbatus bounites	2	Howatharra Hill Reserve (N. Macfarland),	-28.550	114.6666667	MAN	3	13/09/1977
1030930	5536	Eremaea acutifolia	3	Near Geraldton	-28.767	114.6166667	MAN	4	/09/1901
1030884	5536	Eremaea acutifolia	3	Kojerina [Kojarena], East of Geraldton	-28.717	114.8666667	MAN	3	30/09/1962
1030892	5536	Eremaea acutifolia	3	Near [Geraldton]	-28.767	114.6166667	MAN	4	/09/1901
4106911	5536	Eremaea acutifolia	3	S side of railway, E of Kojarena South Road at Kojarena, N of Telecom Tower	-28.722	114.8664345	GPS	1	5/10/1994
5502845	7185	Eremophila brevifolia	2	Chapman River Regional Park,	-28.733	114.65	MAN		20/08/1999
1069438	7185	Eremophila brevifolia	2	Chapman River	-28.733	114.6166667	MAN	4	/09/1959
4506901	7185	Eremophila brevifolia	2	Chapman River, Geraldton	-28.770	114.6163889	AUTO	4	2/09/1931
1069462	7185	Eremophila brevifolia	2	Chapman River, Geraldton	-28.733	114.6166667	MAN	4	2/09/1931
4506898	7185	Eremophila brevifolia	2	Spalding Park, 3 miles N of Geraldton	-28.730	114.6419444	TOPO	2	17/08/1965
8691630	7185	Eremophila brevifolia	2	Chapman River Regional Park, growing along the steep riverbank along walktrail to the W of Fairfax Road, Geraldton	-28.734	114.6447222	GPS	1	22/10/2014
1069446	7185	Eremophila brevifolia	2	Mills Lookout, Nanson-Geraldton Road, South Moresby Range	-28.703	114.6952778	TOPO	2	24/08/1983
100238	7185	Eremophila brevifolia	2	Chapman River Regional Park (Spalding Park), City of Geraldton. Near Spalding Park Golf Course and Fairfax Road. North bank of River.	-28.730	114.6422222			3/08/2001
100239	7185	Eremophila brevifolia	2	Chapman River Regional Park (Spalding Park.) South bank of river, both sides of walking trail which follows the river, ca. 200 m South West of Golf Course.	-28.730	114.6422222			2/11/2000
88967	7185	Eremophila brevifolia	2	Mills Lookout (The Brothers?), South Moresby Range, on the Chapman Valley road, just before Chapman East Road.	-28.699	114.7014344			24/08/1983
8839298	13039	Eucalyptus blaxellii	4	Moresby Range	-28.623	114.6711944	GPS	1	16/08/2016
9509003	13039	Eucalyptus blaxellii	4	Ca 30 km S of Northampton, and 3.1 km E along Olsen Road, next to Oakajee Nature Reserve	-28.571	114.6583333	GPS	1	19/09/2012
1050435	13039	Eucalyptus blaxellii	4	7 km ENE of Geraldton on Yuna Road	-28.733	114.6833333	TOPO	3	25/01/1983
1048937	13039	Eucalyptus blaxellii	4	1.5 miles N of 332 Mile Peg on the North West Coastal Highway. [ca 112 km N of Geraldton].	-28.700	114.6166667	TOPO	3	20/08/1973
1049984	13039	Eucalyptus blaxellii	4	9 miles NE of Geraldton on Yuna Road.	-28.650	114.7166667	TOPO	3	16/03/1968
1048902	13039	Eucalyptus blaxellii	4	1.5 km N along Buller River road on Buller River Farm, West Moresby Range [Ca 17 km NNE of Geraldton].	-28.617	114.65	TOPO	3	22/08/1983
1048945	13039	Eucalyptus blaxellii	4	13 km E of Geraldton, 100 metres NE of Narra Tarra Road junction with Geraldton-Yuna Road	-28.717	114.6833333	TOPO	3	28/05/1983
1048953	13039	Eucalyptus blaxellii	4	Nanson road [ca 4 km NW of Nanson]	-28.550	114.7166667	TOPO	3	12/03/1985
1048910	13039	Eucalyptus blaxellii	4	Not given.	-28.733	114.6833333	TOPO	3	27/05/1983
1050508	13039	Eucalyptus blaxellii	4	Moresby [Flat Topped] Range.	-28.700	114.675	TOPO	3	19/09/1965
3660567	13039	Eucalyptus blaxellii	4	7 km ENE of Geraldton on Yuna road	-28.733	114.6833333	MAN		25/01/1983
5167868	13039	Eucalyptus blaxellii	4	0.6 km NE of Wynarling Station entrance	-28.701	114.6966667	MAN		4/09/1994
1413368	13039	Eucalyptus blaxellii	4	4.4 km NE of Moonyoonooka turnoff Nanson-Geraldton Road, Heinricks Farm E Moresby Range	-28.667	114.7166667	MAN	2	25/08/1983
4646827	13039	Eucalyptus blaxellii	4	S of Nanson Howatharra Road, 1.1 km W of junction with Murphy Yetna Road, 1.2 km down fence line on E side of uncleared block	-28.547	114.6991667	MAN		17/02/1997
4098730	13039	Eucalyptus blaxellii	4	Oakajee (or Oakabella) c. 2 km E along Unnamed road into private property on the E side of the North West Coastal Highway, c. 34 km N of Geraldton, Irwin Botanical District	-28.567	114.6666667	MAN		10/09/1990
5761719	13039	Eucalyptus blaxellii	4	Shed block, property on Howatharra Road,	-28.547	114.726	MAN		29/11/2000
6297161	13039	Eucalyptus blaxellii	4	7.7 km from Geraldton on the Geraldton to Yuna Road. S side of road	-28.717	114.6833333	MAN	3	//
6297145	13039	Eucalyptus blaxellii	4	7.7 km from Geraldton on the Geraldton to Yuna Road, N side of road	-28.717	114.6833333	MAN	3	//
6238130	13039	Eucalyptus blaxellii	4	Olsen Road from E side of Oakajee Reserve	-28.567	114.65	MAN	3	22/01/2002
5758386	13039	Eucalyptus blaxellii	4	Murphy/Farm, newly acquired CALM estate,	-28.622	114.6717112	GPS	1	5/10/2000
5758408	13039	Eucalyptus blaxellii	4	Wokatherra Nature Reserve, ridges to the E of White Peak,	-28.652	114.6517672	GPS	1	4/10/2000
5758432	13039	Eucalyptus blaxellii	4	Wokatherra Nature Reserve, SW slope of White Peak, ca 20 m below exposed rock,	-28.648	114.6453227	GPS	1	4/10/2000
6113427	13039	Eucalyptus blaxellii	4	Murphyl Farm population 12a, E boundary of estate, Chapman Valley	-28.619	114.6830556	GPS	1	30/11/2001
6095860	13039	Eucalyptus blaxellii	4	Shire Recreation Reserve adjoining private property, 66 Arnold Road Wagrakine, S of Moresbey Ranges	-28.697	114.6316012	GPS	1	16/01/2001
6095879	13039	Eucalyptus blaxellii	4	Shire Recreation Reserve adjoining private property, 66 Arnold Road Wagrakine, S of Moresbey Ranges	-28.697	114.6316012	GPS	1	16/01/2001
6095828	13039	Eucalyptus blaxellii	4	Landcorp property, Moresby	-28.619	114.6586	GPS	1	22/02/2001
7413548	13039	Eucalyptus blaxellii	4	UCL, W of White Peak Hill	-28.642	114.6356389	GPS	1	17/10/2005
7752148	13039	Eucalyptus blaxellii	4	Chapman Valley Road, N side take track at top of Cutting in Moresby Range. Continue past masts then down slope to east	-28.667	114.6813333	GPS	1	25/08/2007
7970315	13039	Eucalyptus blaxellii	4	SW from house, Cribb's Property, Lot 3 Olsen Road (number 342), Howatharra, which is 3.4 km E along Olsen Road from North West Coastal Highway, Chapman Valley	-28.573	114.6577778	GPS	1	13/03/2008
7969961	13039	Eucalyptus blaxellii	4	Bella Vista Nature Reserve, Howatharra, E side of reserve. Nature reserve is E of Bella Vista Road which runs off Howatharra-Nanson Road c. 4.1 km E of North West Coastal Highway, Chapman	-28.537	114.6784444	GPS	1	24/04/2008
7970056	13039	Eucalyptus blaxellii	4	Moresby Conservation Park - access from White Peak Road, Chapman Valley	-28.613	114.6660278	GPS	1	12/03/2008
7970072	13039	Eucalyptus blaxellii	4	NW end on W facing slope, Moresby Conservation Park - access is from White Peak Road, Chapman Valley	-28.600	114.6581667	GPS	1	12/03/2008
7970110	13039	Eucalyptus blaxellii	4	Moresby Conservation Park (access from White Peak Road), Chapman Valley	-28.618	114.6678611	GPS	1	12/03/2008
7970145	13039	Eucalyptus blaxellii	4	Private Property (Yerani Pty Ltd) Loc 2578. 6.9 km E of North West Coastal Highway along Howatharra-Nanson Road, Chapman Valley	-28.547	114.6996111	GPS	1	11/03/2008
7970153	13039	Eucalyptus blaxellii	4	Olsen Road, Howatharra, 3.2 km E from North West Coastal Highway, Shire of Chapman Valley	-28.571	114.6578611	GPS	1	4/03/2008
7970234	13039	Eucalyptus blaxellii	4	Yerani Pty Ltd Loc 2578, Lot 405 Murphy-Yetna Road. 6.9 km E of North West Coastal Highway along Howatharra-Nanson Road to western edge of bushland block (and old gravel pit) and 0.7 km from E boundary to Murray-Yetna Road on S side of road, Chapman Vall	-28.546	114.6991944	GPS	1	4/03/2008
7970129	13039	Eucalyptus blaxellii	4	Moresby Conservation Park (access from White Peak Road), Chapman Valley	-28.615	114.6654167	GPS	1	12/03/2008
7970102	13039	Eucalyptus blaxellii	4	Cribb's Property, Lot 3 Olsen Road (number 342) Howatharra, which is 3.4 km E along Olsen Road from North West Coastal Highway	-28.573	114.6595833	GPS	1	13/03/2008
7970161	13039	Eucalyptus blaxellii	4	Private Property (Yerani Pty Ltd), location 2578. W boundary of bushland 6.9 km E of North West Coastal Highway along Howatharra-Nanson Road. SW end of block. Chapman Valley	-28.548	114.698	GPS	1	11/03/2008
7969996	13039	Eucalyptus blaxellii	4	Wokatherra Nature Reserve, E end of ridgeline extending E from White Peak, Chapman Valley	-28.650	114.6563333	GPS	1	7/04/2008
7970250	13039	Eucalyptus blaxellii	4	Greg Burrows property (Lot 924 Wells Road). 1 km along track around base of range from Wells Road, 0.6 km from NW boundary	-28.582	114.6529722	GPS	1	13/03/2008

7970242	13039	Eucalyptus blaxellii		Private property (Brett Gannon) - end of Wells Road, Moresby Range. Boundary of cleared land, inside fenceline, E of hut on hill. Location/Lot 3441. Chapman Valley	-28.587	114.6566944	GPS	1	13/03/2008
7970099	13039	Eucalyptus blaxellii		Cribb's Property, Lot 3 Olsen Road (number 342) Howatharra, which is 3.4 km E along Olsen Road from North West Coastal Highway	-28.573	114.6596111	GPS	1	13/03/2008
7970439	13039	Eucalyptus blaxellii		Howatharra Nature Reserve - southern block, W of gravel pit access track, Chapman Valley	-28.549	114.6665556	GPS	1	22/04/2008
7970455	13039	Eucalyptus blaxellii		Wokatharra Nature Reserve, slope below White Peak summit c. 50 m below white sandstone slope washout, Chapman Valley	-28.649	114.6465278	GPS	1	7/04/2008
7970226	13039	Eucalyptus blaxellii		Lot 924 Wells Road (Greg Burrows) property - end of road, c. 100 m to NE and c. 30 m below hut; 2.5 km E of North West Coastal Highway, Chapman Valley	-28.589	114.6553611	GPS	1	30/04/2008
7970080	13039	Eucalyptus blaxellii		NW end on W facing slope, Moresby Conservation Park - access is from White Peak Road, Chapman Valley	-28.601	114.658	GPS	1	12/03/2008
7970021	13039	Eucalyptus blaxellii		Wokatharra Nature Reserve - along ridgeline extending E of White Peak, S side, below ridge	-28.651	114.6560556	GPS	1	7/04/2008
8699089	13039	Eucalyptus blaxellii		Moresby Conservation Reserve East	-28.606	114.6905556	GPS	1	9/01/2007
8699143	13039	Eucalyptus blaxellii		Moresby Conservation Reserve East	-28.617	114.6952778	GPS	1	9/01/2007
4257405	13039	Eucalyptus blaxellii		Nabawa Road 7.1 km E of North West Coastal Highway, 50 m S of road and 50 m upslope, near	-28.708	114.6913889	MAN		3/07/1995
4257480	13039	Eucalyptus blaxellii		7.7 km E of North West Coastal Highway on the Nabawa Road 100 km E of Narra Tarra Road, N road verge with adjoining private property	-28.708	114.6913889	MAN		3/07/1995
6113451	13039	Eucalyptus blaxellii		Murphyl Farm population 12b, E of central gully, Chapman Valley	-28.622	114.6697222	GPS	1	30/11/2001
5758416	13039	Eucalyptus blaxellii		Murphy/Farm, newly acquired CALM estate, E boundary,	-28.616	114.6824333	GPS	1	5/10/2000
6130704	13039	Eucalyptus blaxellii		Murphy Farm, edge of cleared area in remnant vegetation	-28.614	114.6670444	GPS	1	8/03/2001
6130682	13039	Eucalyptus blaxellii		Murphy Farm, edge of cleared area in SW of remnant vegetation	-28.614	114.6670444	GPS	1	8/03/2001
6130666	13039	Eucalyptus blaxellii		Western most ridge of Murphy Farm, W facing slopes, N of population 5	-28.624	114.6666279	GPS	1	13/03/2001
6130674	13039	Eucalyptus blaxellii		Western most ridge of Murphy Farm, W facing slopes, N of population 5	-28.624	114.6666279	GPS	1	13/03/2001
5758424	13039	Eucalyptus blaxellii		Murphy/Farm, newly acquired CALM estate, E boundary,	-28.622	114.6695723	GPS	1	5/10/2000
6708692	13039	Eucalyptus blaxellii		Murphy/Farm, newly acquired CALM estate, E boundary,	-28.622	114.6695723	GPS	1	5/10/2000
90653	13039	Eucalyptus blaxellii		Private Property, Loc. 19.23, Nabawa Road (also known as Chapman Valley Road). 7.1km E of the North West Coastal Hwy, on side road to Brothers Lookout, just SE of road ca. 50m.	-28.705	114.69375			9/01/2007
101520	13039	Eucalyptus blaxellii		Private property Loc. 17, N side of Nabawa Road. 7.7km E of the North West Coastal Hwy, 100m E of Narra Tarra Road. Chapman Valley.	-28.700	114.6968889			9/01/2007
101521	13039	Eucalyptus blaxellii		Nabawa Road, N verge, adjoining PP Loc 17. 7.7km E of the North West Coastal Hwy, 100m E of Narra Tarra Road. Chapman Valley.	-28.700	114.6968889			9/01/2007
90654	13039	Eucalyptus blaxellii		Private Property, Loc 3063, Lot14. 2.2km E of NW Coastal Hwy along White Peak Rd & then <1.5km N along Buller River(Careys) Rd and then E <500m to hills on Buller River Farm. Chapman	-28.621	114.6556001			22/02/2001
90656	13039	Eucalyptus blaxellii		Private Property, Loc 2578, S side of Nanson-Howatharra Rd (1.1km W of Murphy-Yetna Rd). In NW portion of property, recorded @ 11 specific spots. Up to ca. 600m S from road. Chapman Valley.	-28.547	114.6992222			11/03/2008
101485	13039	Eucalyptus blaxellii		Wokatherra NR (R 39276), Loc 11557. S side of ridge which runs W-E between White Peak and Wokatherra. Extending for ca. 150m.Chapman Valley.	-28.652	114.6517778			7/04/2008
101486	13039	Eucalyptus blaxellii		Wokatherra NR (R 39276), Loc 11215. SW slope of White Peak, ca. 100m below white clear-fell. Extending for 200m. Chapman Valley.	-28.649	114.6453611			7/04/2008
101487	13039	Eucalyptus blaxellii		Wokatherra NR (R 39276), Loc 11532. Along ridgeline extending E of White Peak. S side, below ridge. Extending for ca. 80m. Chapman Valley.	-28.651	114.6560556			7/04/2008
101489	13039	Eucalyptus blaxellii		Loc. 31 (Murphyl Farm), proposed Moresby NR new CALM estate. E boundary. Chapman Valley.	-28.617	114.681			30/11/2001
101490	13039	Eucalyptus blaxellii		Loc. 31 (Murphyl Farm), proposed Moresby NR, new CALM estate. Near cleared area E of central gully. Chapman Valley.	-28.622	114.67			24/01/2006
101491	13039	Eucalyptus blaxellii		Loc. 31 (Murphyl Farm), proposed Moresby NR, new CALM estate. Near E boundary, ca.400m N of SE cnr of Loc.2598, side of ridge upslope of sandstone area. Chapman Valley.	-28.622	114.6719444			24/01/2006
101492	13039	Eucalyptus blaxellii		Loc. 31 (Murphyl Farm), proposed Moresby NR, new CALM estate. NW end of property, W facing slope. Chapman Valley.	-28.600	114.6581667			12/03/2008
101493	13039	Eucalyptus blaxellii		Loc. 31 (Murphyl Farm), proposed Moresby NR, new CALM estate. Central to S portion of property. Plants within 500m radius of this point. N of pop 12B +C. Chapman Valley.	-28.616	114.6679167			12/03/2008
101494	13039	Eucalyptus blaxellii		Loc. 31 (Murphyl Farm), proposed Moresby NR, new CALM estate. W boundary, adjacent to Loc. 2598. Chapman Valley.	-28.617	114.6597778			15/01/2007
90643	13039	Eucalyptus blaxellii		Private Property, Loc 2502. Howatharra Road. Shed block remnant vegetation. Chapman Valley.	-28.547	114.7260556			15/02/2007
90645	13039	Eucalyptus blaxellii		UCL. E of NW Coastal Hwy, S of White Peak Rd and N of Eliza Shaw Dve. Chapman Valley.	-28.642	114.6356389			17/10/2005
101499	13039	Eucalyptus blaxellii		Lot 34, Proposed Moresby NR. Upper W boundary; referred to as population site 'A' on map. Chapman Valley.	-28.606	114.6905556			9/01/2007
101500	13039	Eucalyptus blaxellii		Lot 34, Proposed Moresby NR. Upper W boundary; referred to as population site 'B' (ca. 200m south from 'A') on map. Chapman Valley.	-28.608	114.6895833			9/01/2007
101501	13039	Eucalyptus blaxellii		Lot 34, Proposed Moresby NR. Middle W boundary; referred to as population site 'C' (ca. 700m southeast from site 'B') on map. Chapman Valley.	-28.614	114.69425			9/01/2007
101502	13039	Eucalyptus blaxellii		Lot 34, Proposed Moresby NR. SW boundary; referred to as population site 'D' (ca. 460m south from site 'C') on map. Chapman Valley.	-28.618	114.6929444			17/11/2004
101503	13039	Eucalyptus blaxellii		Lot 34, Proposed Moresby NR. S boundary; referred to as population site 'E' (ca. 240m east from site 'D') on map. Chapman Valley.	-28.617	114.6952778			9/01/2007
101504	13039	Eucalyptus blaxellii		Loc. 2548, Proposed Moresby NR. S central boundary; referred to as population site 'F' (ca. 820m east from site 'E') on map. Chapman Valley.	-28.613	114.7016667			9/01/2007
101505	13039	Eucalyptus blaxellii		Loc. 2548, Proposed Moresby NR. SE boundary adjacent to road; referred to as population site 'G' (ca. 680m southeast from site 'F') on map. Chapman Valley.	-28.617	114.7074167			9/01/2007
101509	13039	Eucalyptus blaxellii		Howatharra NR (R 40587 - E half of NR, Loc 11764). Ca. 340m S of Nanson-Howatharra Rd, central section, W of gravel pit access track. Ca. 4km along Nanson-Howatharra Rd from North West Coastal Hwy. Chapman Valley.	-28.549	114.6665556			22/04/2008
90649	13039	Eucalyptus blaxellii		Private Property, Loc 100 (261 Wells Road). N off Wells Road. Plants are ca. 800m to 1km N of Wells Rd along track (N portion of property). Chapman Valley.	-28.582	114.6527222			13/03/2008
101511	13039	Eucalyptus blaxellii		Private Property, Loc 3441. N off Wells Road. Plants are ca. 500m following track from SW corner of property (near house/shed at border with Lot 100). At boundary of cleared land, inside fence line, E of hut on hill. Chapman Valley.	-28.587	114.6566944			13/03/2008
101512	13039	Eucalyptus blaxellii		Private Property, Loc 100 (261 Wells Rd). N off Wells Road. Plants are ca. 150m from SE corner of property, 100m from house/shed at border with Lot 3441. 30m below hut on hill. Chapman Valley.	-28.589	114.6553611			30/04/2008
101514	13039	Eucalyptus blaxellii		Private Property, Lot 3 (342 Olsen Road). S off Olsen Road. Ca. 150m from Olsen Rd. Plants from E of house & sheds in cleared paddock, and W towards boundary with Oakajee NR (R 331). Chapman Valley.	-28.573	114.6593333			13/03/2008
101515	13039	Eucalyptus blaxellii		Olsen Road. Adjacent to Lot 2 (#321) to the N & Lot 3 (#342) to the S. Just E of Oakajee NR (R 331). Chapman Valley.	-28.571	114.6578611			4/03/2008
101517	13039	Eucalyptus blaxellii		Bella Vista NR (R 40001). Near E boundary of reserve, extending from 360-550m N from the S boundary (central E portion). Chapman Valley.	-28.539	114.6785278			11/04/2008
101518	13039	Eucalyptus blaxellii		Private Property, Lot 3 (143 Ridley Road). E of Bella Vista NR (R 40001). Extending from E boundary of reserve. Chapman Valley.	-28.538	114.6798056			11/04/2008
1022776	13510	Eucalyptus cuprea	T	Nanson road, E side of hill.	-28.550	114.7	MAN	3	11/06/1985
1022814	13510	Eucalyptus cuprea	T	Moresby [Flat Topped] Range.	-28.700	114.6666667	MAN	3	4/11/1985
7970498	13510	Eucalyptus cuprea	T	Bella Vista Reserve - c. 200 m E from road and 0.8 km along Bella Vista Road, N from Howatharra Road, Chapman Valley	-28.540	114.6751667	GPS	1	4/04/2008
7970420	13510	Eucalyptus cuprea	T	Bella Vista Reserve - c. 200 m E from road and 0.8 km along Bella Vista Road, N from Howatharra Road, Chapman Valley	-28.540	114.6751667	GPS	1	4/04/2008
8908915	13510	Eucalyptus cuprea	T	Bella Vista Nature Reserve	-28.540	114.6749444	GPS	1	13/10/2015

91014	13510	Eucalyptus cuprea		Private Property Lot 50. On N side of Nanson Howatharra Rd, 4.2km E of NW Coastal Hwy, Northampton. [Southern edge of property near road reserve.]	-28.546	114.6709722			19/04/2011
91018	13510	Eucalyptus cuprea		Bella Vista NR (R 40001). 0.8km along Bella Vista Road, N from Howatharra Road. Ca. 200m E from road.	-28.540	114.675			19/04/2011
1370960	13550	Eucalyptus ebbanoensis subsp.	4	4.4 km NE of Moonyoonooka turnoff Geraldton-Nanson Road, Heinrichs Farm E Moresby Range	-28.667	114.7166667	MAN	3	25/08/1983
1370979	13550	Eucalyptus ebbanoensis subsp.	4	4.5 km S of Nanson on Murphy-Norris Road	-28.600	114.7666667	MAN	3	18/07/1989
1380362	13550	Eucalyptus ebbanoensis subsp.	4	Nanson road	-28.567	114.7166667	MAN	3	12/03/1986
91140	13550	Eucalyptus ebbanoensis subsp.	4	Murphy-Norris Rd, at 3.8 km E of Chapman Valley Rd. 200 m from the road, on private property.	-28.602	114.7680996			18/07/1989
91144	13550	Eucalyptus ebbanoensis subsp. photina	4	` Heinrichs Farm`, E Moresby Range. 4.4 km NE of Moonyoonooka turnoff, Geraldton-Nanson Rd. [W side of Morrell Rd, ca 1.75 km S of Chapman Valley Rd]	-28.665	114.7097673			25/08/1983
1096907	3917	Gastrolobium propinquum	3	Geraldton district	-28.767	114.6166667	MAN	4	27/08/1974
1051717	3917	Gastrolobium propinquum	3	Geraldton	-28.770	114.6163889	AUTO	3	/01/1962
1096915	3917	Gastrolobium propinquum	3	White Peak	-28.633	114.6333333	MAN	3	2/09/1947
8298858	51941	Geleznovia eximia	1	100 m N of Well Road on Brand Highway (NW Coastal Hwy) Plants located in bush surrounding old sandpit on the W side of highway	-28.589	114.6318333	GPS	1	10/09/2008
6947956	51941	Geleznovia eximia	1	Crown Reserve 16200. North West Coastal Highway ca 20 km N of Geraldton, W side of highway	-28.587	114.6330996	GPS	1	21/07/2004
7118252	51941	Geleznovia eximia	1	100 m N of Well Road on Brand Highway. Plants located in bush surrounding old sandpit on the West side of the Highway	-28.589	114.6306111	GPS	2	3/10/2004
9507949	51941	Geleznovia eximia	1	400 m W on the opposite side of the intersection of Wells Road and the North West Coastal Highway, N of Geraldton	-28.588	114.629139	GPS	1	31/08/2021
9507930	51941	Geleznovia eximia	1	400 m W on the opposite side of the intersection of Wells Road and the North West Coastal Highway, N of Geraldton	-28.588	114.629139	GPS	1	31/08/2021
9508724	51941	Geleznovia eximia	1	c. 21 km N of Geraldton CBD on the North West Coastal Highway, 100 m W of road	-28.588	114.629639	GPS	1	28/08/2020
967017	51942	Geleznovia narcissoides	3	Spalding Park, 3 miles N of Geraldton.	-28.726	114.6166667	AUTO	3	30/08/1965
6947999	51942	Geleznovia narcissoides	3	Moresby Nature Reserve (proposed). Top of W facing Hill, NW corner of Reserve, near track	-28.596	114.6687941	GPS	1	23/07/2004
6947980	51942	Geleznovia narcissoides	3	Moresby Nature Reserve (proposed), top of W facing ridge, NW part of reserve	-28.603	114.6631276	GPS	1	23/07/2004
6315976	51942	Geleznovia narcissoides	3	Farifax Road car park, Chapman Regional Park	-28.733	114.65	MAN	3	11/09/2002
970182	51942	Geleznovia narcissoides	3	27.6 km S of Northampton, 4 km E of NW Coastal Highway, Wells Park, West Moresby Range.	-28.600	114.65	TOPO	3	26/08/1983
9236880	51942	Geleznovia narcissoides	3	Moresby Conservation Park	-28.621	114.663444	GPS	1	16/08/2016
5641357	51942	Geleznovia narcissoides	3	Marie Hart's block, corner David and Cooper Roads, Waggrakine,	-28.700	114.6166667	MAN		13/06/1999
6396712	33579	Grevillea bracteosa subsp. howatharra	T	30 km E of Geraldton, near Northern Gully Road. Between road and rail line. Irwin District	-28.717	114.9	MAN	3	28/09/1992
7275897	33579	Grevillea bracteosa subsp. howatharra	T	Moresby Conservation Park	-28.619	114.6651556	GPS	1	24/01/2006
6118860	33579	Grevillea bracteosa subsp. howatharra	T	Rail reserve on Geraldton-Mullewa Road off Northern Gully South Road, Population along rail reserve, N and S of the rail line	-28.705	114.9069444	GPS	1	27/11/2001
5510147	33579	Grevillea bracteosa subsp. howatharra	T	Road verge on dirt road heading NE off Nanson-Howatharra Road,	-28.542	114.6711545	GPS	1	23/09/1999
5534461	33579	Grevillea bracteosa subsp. howatharra	T	Rail reserve on Geraldton-Mullewa Road off Northern Gully South Road, population along rail reserve, N and S of rail line,	-28.704	114.9083786	GPS	1	2/02/2000
2357682	33579	Grevillea bracteosa subsp. howatharra	T	21 miles Geraldton - Mullewa Road	-28.654	114.9586111	AUTO	3	/10/1961
2357690	33579	Grevillea bracteosa subsp. howatharra	T	Northern Gully, Geraldton	-28.728	114.9016667	AUTO	3	30/09/1962
2357747	33579	Grevillea bracteosa subsp. howatharra	T	Northern Gully	-28.728	114.9016667	AUTO	3	15/08/1965
5426391	33579	Grevillea bracteosa subsp. howatharra	T	Northern Gully Siding, S side of railwayline, W side of Sandsprings road junction	-28.705	114.9069444	MAN		16/03/1999
5189977	33579	Grevillea bracteosa subsp. howatharra	T	Northern Gully Siding, western side of crossing	-28.708	114.9069898	GPS	1	4/09/1996
1645978	33579	Grevillea bracteosa subsp. howatharra	T	Geraldton-Mullewa Road, 12.8 km W of Greenough River	-28.700	114.9333333	MAN	3	22/08/1985
8699151	33579	Grevillea bracteosa subsp. howatharra	T	Moresby Conservation Reserve East	-28.599	114.6848889	GPS	1	9/01/2007
8416672	33579	Grevillea bracteosa subsp. howatharra	T	Geraldton to Mullewa Rail Corridor, 0.5 km W of Geraldton - Mount Magnet Road and Northern Gully Road intersection	-28.706	114.9074722	GPS	1	18/09/2010
2357720	33579	Grevillea bracteosa subsp. howatharra	T	Northern Gully	-28.728	114.9016667	AUTO	3	17/09/1971
7934386	33579	Grevillea bracteosa subsp. howatharra	T	Rail reserve on Geraldton - Mullewa Road, off Northern Gully South Road	-28.705	114.9069444	GPS	1	10/11/2007
8076146	33579	Grevillea bracteosa subsp. howatharra	T	0.25 km N of the Nanson - Howathara Road on Bella Vista Road. Pop. 3, N of Geraldton	-28.543	114.6685556	GPS	1	11/11/2007
1646028	33579	Grevillea bracteosa subsp. howatharra	T	McFarlands Howatharra Hill Reserve	-28.550	114.6666667	MAN		13/09/1977
1646001	33579	Grevillea bracteosa subsp. howatharra	T	McFarlands Howatharra Hill Reserve	-28.550	114.6666667	MAN		13/09/1977
105150	33579	Grevillea bracteosa subsp. howatharra	T	Road Verge, Northen Gully siding, W side of railway crossing, plants occur along both sides of dirt track running along S side of railway line. Between track & railway line & railway line & Geraldton-Mt Magnet Rd.	-28.708	114.9079928			25/08/2011
105151	33579	Grevillea bracteosa subsp. howatharra	T	Rail Reserve, Northern Gully siding, S side of railway line, W side of Sandsprings Rd junction.Pop extends from 100m to ca. 300m west of the intersection of Northern Gully South road and Geraldton Mt Magnet Road.	-28.707	114.9074444			23/02/2011
105152	33579	Grevillea bracteosa subsp. howatharra	T	Gravel Reserve (28881) and Crown Lease RL I-821086. Geraldton-Mount Magnet Rd, 30 km E from Mullewa turnoff at Geraldton. Land off N side of road, in a healthy patch of veg ca. 100 m inside farm boundary.	-28.705	114.9039167			6/01/2010
107602	33579	Grevillea bracteosa subsp. howatharra	T	Rail Reserve, Northern Gully siding, S side of railway line, W side of Sandsprings Rd junction.Pop extends from 1km to ca. 1.1km west of the intersection of Northern Gully South road and Geraldton Mt Magnet Road within the railway reserve	-28.705	114.8981944			20/08/2012
107622	33579	Grevillea bracteosa subsp. howatharra	T	Private property lot 2860 Geraldton-Mt Magnet Rd. About 340m west of boundary with lot 2243 and ca. 1.7km west from intersection between Geraldton-Mt Magnet and Northern Gully Rds.	-28.706	114.8936944			13/10/2009
105154	33579	Grevillea bracteosa subsp. howatharra	T	Road verge on Bella Vista Rd heading NE off Nanson-Howatharra Rd. Both sides of the Rd from ca. 100m N of Cattle grid at crest of hill, to about halfway down to gully.	-28.543	114.6694722			12/09/2011
105155	33579	Grevillea bracteosa subsp. howatharra	T	Private property, Lot 506 (previously lot 50), on Bella Vista Rd heading NE off Nanson-Howatharra Rd. Both sides of the Rd from ca. 100m N of Cattle grid at crest of hill, to about halfway down to	-28.543	114.669459			10/10/2011
105157	33579	Grevillea bracteosa subsp. howatharra	T	Howatharra Nature Reserve (40587). From the gravel road south of the intersection of Howatharra and Bella Vista Roads, travel south ca. 600m and stop at SE corner of two fences. Plants are ca. 110m E along fence upslope. Shire of Chapman Valley.	-28.551	114.6661111			7/01/2010
105158	33579	Grevillea bracteosa subsp. howatharra	T	Private Property, Lot 550. From the gravel road south of the intersection of Howatharra and Bella Vista Roads, travel south ca. 600m and stop at SE corner of two fences. Plants are ca. 110m E along fence upslope. Shire of Chapman Valley.	-28.551	114.6661111			7/01/2010
96532	33579	Grevillea bracteosa subsp. howatharra	T	Proposed Moresby Conservation Park. Lot 31 located off White Peak Road, within the Shire of Chapman Valley. Approximately 2km north of Wokatherra Nature Reserve.	-28.620	114.6636111			5/01/2010
105160	33579	Grevillea bracteosa subsp. howatharra	T	PP Lot 6751 adjacent to Moresby Conservation Park. Proposed Nature Reserve.	-28.599	114.685			5/01/2010
2216884	1999	Grevillea erinacea	3	Walkaway road, S of Geraldton	-28.770	114.6163889	AUTO	4	17/12/1968
8416605	2013	Grevillea granulosa	3	Geraldton to Mullewa Rail Corridor, 2.5 km NE of Kojarena	-28.711	114.8851111	GPS	1	18/09/2010
8451028	2054	Grevillea olivacea	4	6 km NNE of Geraldton	-28.724	114.6334692	GPS	1	25/09/2012
8076294	2063	Grevillea phanerophlebia	T	Wicherina gravel reserve on the N side of the Geraldton - Mullewa Road, ca 2.1 km W of the Wicherina South Road, E of Geraldton	-28.715	114.9992222	GPS	1	28/11/2007
85711	2063	Grevillea phanerophlebia	T	Shire Gravel Reserve No 43236, west of Eradu and adjacent to the northern boundary of 'Wicherina Water Reserve' No 17711.	-28.715	114.9991667			25/08/2011
1648608	2113	Grevillea triloba	3	10 miles N of Geraldton	-28.625	114.6163889	AUTO	3	11/08/1956
5825806	2113	Grevillea triloba	3	Road reserve of North West Coastal Highway near Oakajee Industrial Estate,	-28.594	114.6322222	MAN	2	29/06/2000
5498228	2113	Grevillea triloba	3	M. Harts property, David-Coopers Roads, Waggrakine,	-28.683	114.65	MAN		17/07/1999
6370799	2113	Grevillea triloba	3	Moresby Conservation Park upper slopes on Western ridges	-28.625	114.666625	MAN	2	5/01/2003
6686117	2113	Grevillea triloba	3	On S side of Olsen Road, 1.7 km E of NW Coastal Highway, Oakajee Nature Reserve, c. 26 km S of Northampton. [Plot - NO01]	-28.568	114.6431827	GPS	1	15/08/1999
6600131	2113	Grevillea triloba	3	Moresby Conservation Park	-28.610	114.6611832	GPS	1	6/08/2002
7292708	2113	Grevillea triloba	3	VCL W of White Peak Hill, Reserve 27663, Chapman Valley Shire	-28.642	114.6365726	GPS	1	17/10/2003
1647628	2113	Grevillea triloba	3	Between Dongara and Northampton	-28.798	114.7808333	AUTO	5	19/09/1932

4159918	2113	Grevillea triloba	3	E road verge, North West Coastal Highway 1.9 km N of Drummonds Cove turnoff, N of Geraldton	-28.650	114.6211111	MAN		7/08/1994
4106822	2113	Grevillea triloba	3	Water Reserve 16200 S of Oakajee & 8.7 km N of Drummonds Cove turnoff on NW Coastal Highway, N of Geraldton	-28.587	114.6317107	GPS	1	6/08/1994
4257413	2113	Grevillea triloba	3	At 500-800 m S of junction with Hooper St, on rail line reserve N of Spalding Park, Geraldton	-28.667	114.6166667	MAN		3/07/1995
4159861	2113	Grevillea triloba	3	Oakajee Nature Reserve, NW boundary & along track on NE side of reserve	-28.569	114.6519444	MAN		6/08/1994
5395909	2113	Grevillea triloba	3	M. Hart, David Road/Cooper Road, Waggrakine,	-28.683	114.65	MAN		2/05/1999
1648152	2113	Grevillea triloba	3	North of Geraldton	-28.770	114.6163889	AUTO	3	24/09/1953
5396344	2113	Grevillea triloba	3	Waggrakine,	-28.717	114.6166667	MAN		27/10/1998
1648160	2113	Grevillea triloba	3	16 km N of Geraldton	-28.626	114.6163889	AUTO	3	1/06/1980
1648659	2113	Grevillea triloba	3	Drummonds Cove turnoff	-28.668	114.6166667	AUTO	3	28/10/1978
1648632	2113	Grevillea triloba	3	10 miles N of Geraldton	-28.625	114.6163889	AUTO	3	11/08/1956
1648055	2113	Grevillea triloba	3	White Peaks	-28.633	114.6333333	MAN		7/07/1959
1647636	2113	Grevillea triloba	3	Spalding Park Reserve - Chapman River, Geraldton	-28.770	114.6163889	AUTO	3	26/06/1981
1648594	2113	Grevillea triloba	3	Utakarra, 3 miles (4.8 km) E of Geraldton, on the Geraldton-Mullewa road	-28.783	114.6333333	AUTO	3	26/08/1970
1900439	2113	Grevillea triloba	3	C. 6 km N of the Buller River on North West Coast Highway	-28.583	114.6333333	MAN		12/06/1976
1900498	2113	Grevillea triloba	3	C. 6 km N of the Buller River on North West Coastal Highway	-28.583	114.6333333	MAN		12/06/1976
1648144	2113	Grevillea triloba	3	On the North West Coastal Highway, 32 km S of Northampton	-28.600	114.6333333	MAN		8/09/1984
8208727	2113	Grevillea triloba	3	N of Reserve 893 which is W of the Narratarra - Moonyoonooka Road, 3.2 km N of the Magnet Road	-28.750	114.7	MAN	4	26/08/1997
8289727	2113	Grevillea triloba	3	Site GRV 0825. North West Coastal Highway, ca 2 km S of Oakagee Road, N of Geraldton	-28.587	114.6311389	GPS	1	14/08/2008
8500274	2113	Grevillea triloba	3	North - West Coastal Highway, 1.5 km N of Chapman River, Geraldton	-28.714	114.6308333	GPS	1	14/09/2004
8171505	2113	Grevillea triloba	3	North West Coastal Highway, 15.2 km N of Chapman River, Geraldton	-28.598	114.6336111	UNK	2	14/09/2004
8088519	2113	Grevillea triloba	3	Site 46, near Oakajee Port	-28.587	114.6292241	GPS	1	13/09/2007
8088632	2113	Grevillea triloba	3	Near Oakajee Port, Site DA 33	-28.589	114.6289603	GPS	1	23/01/2008
8088624	2113	Grevillea triloba	3	Site 47, near Oakajee Port	-28.587	114.6294415	GPS	1	13/09/2007
8997756	2113	Grevillea triloba	3	Moresby Conservation Park, growing along N-S track along top of breakaway on western side of reserve	-28.609	114.6610278	GPS	1	23/11/2017
1179233	6869	Hemigenia saligna	3	Near Champion Bay.	-28.766	114.5997222	AUTO	3	27/06/1902
9255842	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	150 m E of parking/pull-off bay on E side of North West Coastal Highway, near Oakajee, 4.41 km from White Peak Road. 19.86 km NNE from Geraldton town centre	-28.595	114.63556	GPS	1	20/08/2009
5815398	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	The Brothers, Moresby Ranges	-28.704	114.6956645	GPS	1	8/07/2000
9255680	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	0.28 km ESE of parking pull-off bay on North West Coastal Highway. 19.7 km NNE of Geraldton town	-28.597	114.636475	GPS	1	11/12/2009
9255672	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	0.84 km E from Crown Reserve and North West Coastal Highway. 5.42 km E from the mouth of Oakajee River. 5.6 km S from Howatharra. 4.43 km S from intersection of Coronation Beach Road, 20.97 km NNE from Geraldton town centre	-28.585	114.638467	GPS	1	20/08/2009
9255818	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	0.18 km E of parking/pull-off bay on eastern side of North West Coastal Highway, near Oakajee, 4.41 km N from White Peak Road. 19.86 km NNE from Geraldton town centre	-28.596	114.635483	GPS	1	20/08/2009
9255699	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	1.55 km ESE from parking/pull-off bay on E side of North West Coastal Highway, 4.25 km NNE of intersection of North West Coastal Highway and White Peak Road, 19.63 km NNE from Geraldton town centre	-28.600	114.648886	GPS	1	22/10/2009
8961182	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	0.28 km N of White Peak Road, on N side of Wokatherra Gap, 3.76 km ENE of intersection of North West Coastal Highway and White Peak Road, 16.73 km NNE of Geraldton town centre	-28.628	114.6660926	GPS	1	23/10/2009
8961174	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	Moresby Range Conservation Park, 0.24 km N of White Peak Road, N side of Wokatherra Gap	-28.629	114.6633934	GPS	1	22/10/2009
8961158	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	0.92 km ESE from parking/pull-off bay on E side of North West Coastal Highway, 4.25 km NNE of intersection of North West Coastal Highway and White Peak Road, 19.63 km NNE from Geraldton town centre	-28.598	114.6429553	GPS	1	23/10/2009
8961131	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	Edge of paddock, 1.32 km SE from parking/pull-off bay on E side of North West Coastal Highway, 3.87 km NNE from intersection of North West Coastal Highway and White Peak Road, 19.06 km NNE from Geraldton town centre	-28.603	114.6447507	GPS	1	23/10/2009
9255826	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	0.26 km W from Carey Road; 1.8 km N from intersection with White Peak Road. 1.58 km E from North West Coastal Highway. 17.7 km NNE from Geraldton town centre	-28.616	114.647932	GPS	1	20/08/2009
2252554	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	Wokatharra Hill, Moresby Range West	-28.650	114.65	MAN		22/08/1983
95625	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	Wokatherra Nature Reserve (No. 39276), at Wokatherra Hill in the Moresby Flat Topped Range, [ca 11 km NNE of Geraldton].	-28.643	114.6585556			22/08/1983
95626	29147	Lepidosperma sp. Moresby Range (R.J. Cranfield 2751)	1	`Narra Tarra Estate`, 22 Narra Tarra-Moonyoonooka Road, Narra Tarra. At The Brothers in the Moresby Flat Topped Range, [ca 200 m SE of Chapman Valley Road, ca 8 km NE of Geraldton].	-28.704	114.6956667			8/07/2000
6130534	31794	Leucopogon borealis	2	Moresby Conservation Reserve, White Peaks Road E from North West Coastal Highway	-28.617	114.6333333	MAN	3	11/08/2001
6420303	31794	Leucopogon borealis	2	Moresby C.P. Site 3, Whitepeak Road	-28.619	114.6816667	MAN	2	31/07/2002
2955601	31794	Leucopogon borealis	2	4.4 km NE of Moonyoonooka turnoff Nanson-Geraldton Road, Heinrichs Farm, East Moresby Range	-28.667	114.7166667	MAN		25/08/1983
4506170	31794	Leucopogon borealis	2	N of White Peak Road, Heinrich's property	-28.583	114.6666667	MAN		15/08/1996
7750668	31794	Leucopogon borealis	2	Spillman site 3, N off Chapman Valley Road in Waggrakine Cutting, through paddock past masts down steep slope	-28.666	114.6801667	GPS	1	25/08/2007
9255761	31794	Leucopogon borealis	2	20 m N of White Peak Road, 0.4 km from E end of this road and 3.97 km NNE from the intersection with North West Coastal Highway. 16.8 km NNE of Geraldton town centre	-28.629	114.66416	GPS	1	22/10/2009
6482074	31794	Leucopogon borealis	2	Quadrat 13 Bushland Plant Survey of remnant vegetation on Greg and Tanya Burrows property Hawkrise in the Shire of Chapman Valley c. 24 km N and 35 km NE of the Geraldton Townsite. (c. 450 km N of Perth). The bush block straddles the Oakajee and Buller N	-28.767	114.6867134	GPS	1	29/08/1999
4616073	31794	Leucopogon borealis	2	E end of White Peak Road, N of Geraldton	-28.633	114.6666667	MAN		10/08/1993
6138209	40802	Leucopogon nitidus	T	Sewell, Sand Springs, Sand Springs Road, Mount Julie, Kojarena	-28.800	114.9666667	MAN	3	11/07/2001
7908032	40802	Leucopogon nitidus	T	Sewell Property, fenced breakaway, Sand Springs Road, Kojarena	-28.784	114.9536111	GPS	1	19/07/2008
7908024	40802	Leucopogon nitidus	T	Mount Julia, covenanted fenced remnant of property 'Sand Springs' N side of Sand Springs Road, Kojarena	-28.783	114.9555463	GPS	1	19/07/2008
109298	40802	Leucopogon nitidus	T	Private Property, Lot 2250 (2250) Sandsprings Road, City of Greater Geraldton. Mt Julia remanant vegetation on `Sandsprings` property, fenced breakaway.	-28.784	114.9536111			22/07/2013
8239533	6437	Leucopogon psammophilus	1	27.6 km S of Northampton, 4 km E of North West Coastal Highway, Wells Park, West Moresby	-28.600	114.65	UNK	3	26/08/1983
8239541	6437	Leucopogon psammophilus	1	27.6 km S of Northampton, 4 km E of North West Coastal Highway, Wells Park, West Moresby	-28.600	114.65	UNK	3	26/08/1983
7813686	6437	Leucopogon psammophilus	1	Moresby Conservation Park. Access through Murphyl Farm.	-28.600	114.6878333	UNK	1	28/10/2006
88727	6437	Leucopogon psammophilus	1	Lot 45, Yetna. [Near proposed] Moresby Conservation Park, [3.9 km west of North West Coastal Highway].	-28.600	114.6878333			28/08/2006
6165672	20360	Leucopogon sp. Moresby Range (S. Patrick 2614)	3	Olson Road, 3.8 km E of North West Coastal Highway, Moresby Ranges	-28.574	114.6628216	GPS	1	9/06/2002
8289751	20360	Leucopogon sp. Moresby Range (S. Patrick 2614)	3	Site GRV 0864. N of White Peak Road, ca 2 km E of Carey Road, N of Geraldton	-28.628	114.6695556	GPS	1	1/10/2008
7516010	20360	Leucopogon sp. Moresby Range (S. Patrick 2614)	3	Wokatherra Nature Reserve, close to western end at base of conical hill	-28.650	114.6475449	GPS	1	4/06/2006
3328481	14469	Malleostemon sp. Moonyoonooka (R.J. Cranfield 2947)	2	4.4 km NE of Moonyoonooka turnoff Nanson - Geraldton road, Heinrichs Farm, East Moresby Range	-28.667	114.7166667	MAN		25/08/1983
3566161	14469	Malleostemon sp. Moonyoonooka (R.J. Cranfield 2947)	2	4.4 km NE of Moonyoonooka turnoff Nanson-Geraldton Road, Heinrichs Farm, East Moresby Range	-28.667	114.7166667	MAN		25/08/1983
5481074	19451	Melaleuca huttensis	3	M. Hart's property, corner David/Cooper Roads, Waggrakine,	-28.683	114.65	MAN		17/07/1999
5946433	19451	Melaleuca huttensis	3	M. Hart's block, David - Copper Road, Waggrakine,	-28.683	114.65	MAN	3	13/06/1999

7301049	19451	Melaleuca huttensis	3	Corner of Cooper and David Roads, Geraldton	-28.675	114.6445556	GPS	1	5/08/2003
104147	19451	Melaleuca huttensis	3	114 Cooper Street, Waggrakine (property of M. Hart). On corner of David Road, [1.7 km NW of North West Coastal Highway, ca 1.1 km north of Tramway Road].	-28.675	114.6443889			4/11/2008
104148	19451	Melaleuca huttensis	3	Road reserve at corner of Cooper Street and David Road, Waggrakine. [1.7 km NW of North West Coastal Highway, ca 1.1 km north of Tramway Road].	-28.677	114.6444722			4/11/2008
2502801	37680	Micromyrtus collina	1	Wokatharra Hill, West Moresby Range	-28.650	114.65	MAN		22/08/1983
6420338	37680	Micromyrtus collina	1	Moresby C.P. Site 3 off Whitepeak Road	-28.619	114.6816667	MAN	2	31/07/2002
2422670	37680	Micromyrtus collina	1	White Peaks Station, 18 km NE of Geraldton	-28.655	114.7561111	AUTO	3	29/08/1980
8982376	37680	Micromyrtus collina	1	Moresby Range Conservation Park, steep E-facing slope W of creekline at White Peak Road	-28.618	114.6626944	GPS	1	22/01/2017
2502690	37680	Micromyrtus collina	1	4.4 km NE of Moonyoonooka turnoff Nanson - Geraldton Road, Heinricks Farm, East Moresby	-28.667	114.7166667	MAN		25/08/1983
7750595	37680	Micromyrtus collina	1	Site Spillman 1, Moresby Range, N of Chapman Valley Road past masts down steep track	-28.666	114.6791667	GPS	1	25/08/2007
2423200	19855	Micromyrtus rubricalyx	2	SE corner of property of C.H. Royce, Howatharra	-28.550	114.6666667	MAN		13/09/1977
9255796	41989	Mirbelia sp. Ternata (M.D. Crisp & L.G. Cook MDC 9267)	1	0.18 km E of parking/pull-off bay on eastern side of North West Coastal Highway, near Oakajee, 4.41 km N from White Peak Road. 19.86 km NNE from Geraldton town centre	-28.595	114.635546	GPS	1	20/08/2009
912646	18505	Philotheca wonganensis	4	28.6 km S of Northampton along NW Coastal Highway	-28.588	114.632426	TOPO	2	1/09/1983
94483	18505	Philotheca wonganensis	4	Road Reserve R 16200, Lot no. 7240 [ca. 1.47km SE of Oakajee Well, 5.88km S of Howatharra township, ca. 2.3km SW of Oakajee Nature Reserve].	-28.589	114.6328889			4/09/2008
448311	49640	Rhodanthe sp. Yuna (G.J. Keighery, B.J. Keighery & B. Moyle 2820)	3	Moresby Range	-28.700	114.6666667	AUTO	3	19/09/1965
1043463	13068	Scaevola globosa	3	46 m.p. Mullewa - Geraldton. [Ca 46 miles from Mullewa to Geraldton]	-28.767	114.7833333	MAN	3	12/12/1973
5982197	7627	Scaevola oldfieldii	3	Private property, hill 100 m N of house 1.2 km along Carey Road off White Peak Road, c. 18 km N of Geraldton,	-28.583	114.65	MAN	3	25/08/1997
7813767	7627	Scaevola oldfieldii	3	Moresby Conservation Park. Access through Murphyl Farm.	-28.600	114.6878333	UNK	1	27/10/2006
4138120	20449	Scaevola sp. Golden hairs (D. & B. Bellairs 1450 A)	1	Oakajee (or Oakabella), ca 2 km E along unnamed road into private property on the E side of the North West Coastal Highway, ca 34 km N of Geraldton, Irwin Botanical District	-28.567	114.6666667	MAN		10/09/1990
1064193	13356	Schoenia filifolia subsp. subulifolia	T	Champion Bay	-28.766	114.5997222	AUTO	3	//
8728402	17571	Schoenus badius	2	Bella Vista Nature Reserve, NW corner of Nanson - Howatharra Road and Bunter Road, W of	-28.545	114.665222	GPS	1	19/10/2008
8748810	49120	Scholtzia inaequalis	2	Wicherina Reserve, N of Geraldton-Mount Magnet Road, into bush from pull-off 29.9 km from Moonyoonooka Road	-28.714	114.9995833	GPS	1	28/08/2008
8748853	49122	Scholtzia multiflora	1	Private property, Kojarena Range on Kojarena South Road, W of Sandsprings Road	-28.751	114.88975	GPS	1	15/08/2008
3629198	49122	Scholtzia multiflora	1	Near Kojarena (Kojarena is c. 30 km E of Geraldton), South West Division	-28.725	114.8663889	AUTO	3	14/08/1966
5808243	31575	Serichonus gracilipes	3	The Brothers, Moresby Ranges,	-28.708	114.7069444	MAN	3	8/07/2000
5982200	31575	Serichonus gracilipes	3	Private property, halfway up driveway hill to house 1.2 km along Carey Road off White Peak Road, c. 18 km N of Geraldton	-28.583	114.65	MAN	3	25/08/1997
6744141	31575	Serichonus gracilipes	3	On the Morrell farm property, on the summit of Mount Rennie	-28.659	114.7439171	GPS	1	20/08/2003
6744133	31575	Serichonus gracilipes	3	On the Morrell farm property, on the summit of Mount Rennie	-28.659	114.7439171	GPS	1	20/08/2003
1017640	31575	Serichonus gracilipes	3	7.1 km W along mud road from [North West Coastal] Highway of erupting mud	-28.550	114.7833333	MAN		29/08/1983
8959781	31575	Serichonus gracilipes	3	4.85 km E of the Chapman Valley Road bridge crossing of the Chapman River, 18.9 km NE from Geraldton town centre	-28.657	114.7530654	GPS	1	19/08/2009
9136770	31575	Serichonus gracilipes	3	5.02 km E from Chapman Valley Road bridge crossing of the Chapman River, 19.5 km NE from Geraldton town centre	-28.657	114.755152	GPS	1	21/10/2009
1008188	31575	Serichonus gracilipes	3	Wokatharra Hills	-28.643	114.6516667	MAN	3	9/09/1901
95864	31575	Serichonus gracilipes	3	Wokatharra Hills, Moresby Flat Topped Range, NE of Geraldton. Herbarium Record Only.	-28.641	114.6608781			9/09/1901
95866	31575	Serichonus gracilipes	3	7.1 km W of Erupting Mud towards the NW Hwy along the Howatharra-Nanson Rd. Herbarium Record Only.	-28.549	114.7847655			29/08/1983
95867	31575	Serichonus gracilipes	3	The Brothers, Moresby Flat Topped Range. NE of Geraldton.	-28.707	114.708379			8/07/2000
95868	31575	Serichonus gracilipes	3	Private property, half way up driveway hill to house, 1.2 km along Carey Road off White Peak Road. ca 18 km N of Geraldton. Herbarium Record Only.	-28.619	114.6567111			25/08/1997
8287376	52087	Styphelia howatharra	2	Site GRV 0864. N of White Peak Road, ca 2 km E of Carey Road, Geraldton	-28.628	114.6695556	GPS	1	1/10/2008
7516002	52087	Styphelia howatharra	2	Moresby Conservation Park, White Wells Road, 4.4 km E of North West Coastal Highway	-28.630	114.6700446	GPS	1	4/06/2006
8982317	52087	Styphelia howatharra	2	Moresby Range Conservation Park. W-facing slope of lower creek [off] White Peak Road	-28.623	114.6717222	GPS	1	13/07/2016
8366292	52087	Styphelia howatharra	2	Howatharra Nature Reserve, corner Nanson - Howatharra Road and Bella Vista Road	-28.544	114.6677778	GPS	1	12/06/2011
7919174	49811	Styphelia marginata	T	Sewell Property, fenced breakaway, Sand Springs Road, Kojarena	-28.784	114.9541111	GPS	1	19/07/2008
7919166	49811	Styphelia marginata	T	Sewell Property, fenced breakaway, Sand Springs Road, Kojarena	-28.784	114.9530833	GPS	1	19/07/2008
8982260	49811	Styphelia marginata	T	Moresby Range Conservation Park near lookout track, S of flat top hill, N of White Peak Road	-28.609	114.6611389	GPS	1	21/09/2017
88661	49811	Styphelia marginata	T	Private Property Lot 2250, N off Sandsprings Road, Kojarena. In remnant veg near W boundary of property. W of R48173. Geraldton-Greenough.	-28.784	114.9537222			22/07/2013
107342	49811	Styphelia marginata	T	Private property Lot 800, 'Old Acres Estate' approximately 900m south west of the Moloney and Hardey Road intersection	-28.795	114.6493889			27/06/2013
6841341	44699	Thryptomene orbiculata	3	Sand Springs, Kojarena, 50 km E of Geraldton	-28.683	114.9666667	UNK	3	15/09/2002
4400429	44704	Thryptomene stapfii	3	4.2 km E of North West Coastal Highway on Howatharra Road (Nanson) at E end of Howatharra Nature Reserve	-28.545	114.6708333	MAN	2	18/06/1996
1189174	44704	Thryptomene stapfii	3	SE corner of property of C.H. Royce, Howatharra	-28.550	114.6666667	MAN		13/09/1977
2191431	44704	Thryptomene stapfii	3	Chapman Valley, ca 1.5 km W of Bridge over Chapman River, on Nanson Road	-28.558	114.7563889	AUTO	3	4/07/1971
5313341	44704	Thryptomene stapfii	3	N of Wokatherra, Heinrich's property E end of White Peak Road	-28.617	114.6666667	MAN		15/08/1996
5372577	44704	Thryptomene stapfii	3	Oakajee to Talling Peak railway line, Site 5C, 2.5 km ESE of Mumbemarra Hill	-28.660	114.7387728	GPS	1	9/10/1998
2191385	44704	Thryptomene stapfii	3	Wokatharra Hill, West Moresby Range	-28.650	114.65	MAN		22/08/1983
2191377	44704	Thryptomene stapfii	3	4.4 km NE of Moonyoonooka turnoff Nanson-Geraldton Road, Heinricks Farm, East Moresby Range	-28.667	114.7166667	MAN		25/08/1983
6218725	44704	Thryptomene stapfii	3	ca 15 km N of Geraldton on North West Coastal Highway then 4.2 km E on White Peak Road and 200-300 m N of the road	-28.629	114.6677793	MAN	3	5/12/1993
6420710	44704	Thryptomene stapfii	3	Moresby Conservation Park	-28.622	114.6714334	GPS	1	31/07/2002
6130356	44704	Thryptomene stapfii	3	Moresby Conservation Reserve, White Peaks Road E from North West Coastal Highway, to N at end of road	-28.617	114.6333333	MAN	3	11/08/2001
6691323	44704	Thryptomene stapfii	3	On W side of Bella - Vista Road, 200 m N of Nanson - Howatharra Road, Howatharra Nature Reserve, c. 23 km S of Northampton. [Plot - NO03]	-28.545	114.6670712	GPS	1	15/08/1999
7028024	44704	Thryptomene stapfii	3	Moresby Range, CALM reserve from White Peak Road	-28.613	114.6954332	GPS	1	17/11/2004
6744125	44704	Thryptomene stapfii	3	On the Morrell farm property, on lower hill slopes and gully W of Mount Rennie	-28.655	114.7410504	GPS	1	20/08/2003
5942535	44704	Thryptomene stapfii	3	N of Reserve 893 which is W of the Narratarra - Moonyoonooka Road, 3.2 km N of the Mount Magnet Road	-28.750	114.7	MAN	4	26/08/1997
8959803	44704	Thryptomene stapfii	3	Moresby Range	-28.630	114.6611394	GPS	1	20/08/2009
8959749	44704	Thryptomene stapfii	3	Moresby Range Conservation Park, E side of mesa	-28.642	114.6796059	GPS	1	19/08/2009
9136886	44704	Thryptomene stapfii	3	20 m N of White Peak Road, 0.4 km from E end of this road and 3.97 km NNE from the intersection with North West Coastal Highway, 16.8 km NNE of Geraldton town centre	-28.630	114.667822	GPS	1	24/10/2009
6420346	44704	Thryptomene stapfii	3	Moresby Conservation Park, Site 3 off Whitepeak Road	-28.619	114.6816667	MAN	2	31/07/2002
1025996	6066	Thryptomene stenophylla	2	Geraldton, Victoria District	-28.770	114.6166667	MAN	3	/09/1901
5502756	6066	Thryptomene stenophylla	2	N side, Chapman River Regional Park,	-28.733	114.65	MAN		5/08/1999
5963001	6066	Thryptomene stenophylla	2	Site 5c, 2.5 km ESE of Mumbemarra Hill,	-28.665	114.741649	MAN	2	27/06/1998
5962994	6066	Thryptomene stenophylla	2	Site 5b, 3 km ESE of Mumbemarra Hill,	-28.667	114.7467235	MAN	2	26/06/1998
6138098	6066	Thryptomene stenophylla	2	SE access Fairfax Drive, Chapman River Regional Park	-28.733	114.65	MAN	3	13/07/2001
6321364	6066	Thryptomene stenophylla	2	Opposite Polo Road Gauging Station on Chapman River N bank. Access across private property Harwood, Deepdale	-28.783	114.7	MAN	3	5/08/2002

6744311	6066	Thryptomene stenophylla		W of Yanget Road [previously known a Kojarina North Road], 2.25 km S of East Chapman Road and ca 5.5 km N of Geraldton - Mount Magnet Road	-28.676	114.8572172	GPS	1	20/08/2003
6744303	6066	Thryptomene stenophylla	2	8.4 km along Giles Road from Moonyoonooka Road	-28.723	114.757668	GPS	1	20/08/2003
6744281	6066	Thryptomene stenophylla	2	At a bend in the road, 7.5 km along Giles Road from Moonyoonooka Road	-28.732	114.7499181	GPS	1	20/08/2003
6744273	6066	Thryptomene stenophylla	2	At a bend in the road, 7.5 km along Giles Road from Moonyoonooka Road	-28.732	114.7499181	GPS	1	20/08/2003
6744257	6066	Thryptomene stenophylla	2	Chapman River Regional Park, accessed from Green Street on a track along SW side of Chapman River, on E side of Spalding Park Golf Club	-28.729	114.6428849	GPS	1	20/08/2003
6744249	6066	Thryptomene stenophylla	2	Chapman River Regional Park, accessed from Green Street on a track along SW side of Chapman River, on E side of Spalding Park Golf Club	-28.729	114.6428849	GPS	1	20/08/2003
6744184	6066	Thryptomene stenophylla	2	On the Morrell farm property, on S slope of Mount Rennie	-28.660	114.7499838	GPS	1	20/08/2003
6744265	6066	Thryptomene stenophylla	2	At a bend in the road, 7.5 km along Giles Road from Moonyoonooka Road	-28.732	114.7499181	GPS	1	20/08/2003
6744346	6066	Thryptomene stenophylla	2	W of Yanget Road [previously known a Kojarina North Road], 2.25 km S of East Chapman Road and ca 5.5 km N of Geraldton - Mount Magnet Road	-28.676	114.8585338	GPS	1	20/08/2003
6744338	6066	Thryptomene stenophylla	2	W of Yanget Road [previously known a Kojarina North Road], 2.25 km S of East Chapman Road and ca 5.5 km N of Geraldton - Mount Magnet Road	-28.676	114.8572172	GPS	1	20/08/2003
6744362	6066	Thryptomene stenophylla	2	At creek crossing on Scott Road, 3.15 km N of Chapman East Road	-28.642	114.7950168	GPS	1	20/08/2003
6744354	6066	Thryptomene stenophylla	2	At creek crossing on Scott Road, 3.15 km N of Chapman East Road	-28.642	114.7950168	GPS	1	20/08/2003
6744192	6066	Thryptomene stenophylla	2	On the Morrell farm property, in a creek gully S of Mount Rennie	-28.663	114.7404172	GPS	1	20/08/2003
7290772	6066	Thryptomene stenophylla	2	6.7 km along Giles Road from Moonyoonooka Road. Located downhill from a bend in the road to the north	-28.733	114.7521389	GPS	1	21/10/2004
7291094	6066	Thryptomene stenophylla	2	6.7 km along Giles Road from Moonyoonooka Road. Located downhill from a bend in the road to the north	-28.733	114.7521389	GPS	1	4/10/2004
6364756	6066	Thryptomene stenophylla	2	Site 5B. 3 km ESE of Mumbemarra Hill. Oakajee to Talling Peak railway line	-28.666	114.7481006	GPS	1	9/10/1998
6364748	6066	Thryptomene stenophylla	2	Site 5C. 2.5 km ESE Mumbemarra Hill. Oakajee to Talling Peak railway line	-28.662	114.7413731	GPS	1	9/10/1998
6364721	6066	Thryptomene stenophylla	2	Site 5 c. 2.5 km ESE of Mumbemarra Hill. Oakajee to Talling Peak railway line	-28.662	114.7403227	GPS	1	9/10/1998
1026429	6066	Thryptomene stenophylla	2	Spalding Park, 3 miles N of Geraldton	-28.750	114.6333333	MAN	3	30/08/1965
6744206	6066	Thryptomene stenophylla	2	On the Morrell farm property, on SW slope of Mount Rennie	-28.659	114.7417838	GPS	1	20/08/2003
6744176	6066	Thryptomene stenophylla	2	On the Morrell farm property, S of Mount Rennie	-28.667	114.7456839	GPS	1	20/08/2003
6744168	6066	Thryptomene stenophylla	2	On the Morrell farm property, on E slope of Mount Rennie	-28.658	114.7451504	GPS	1	20/08/2003
1026445	6066	Thryptomene stenophylla	2	Spalding Park Reserve, Geraldton	-28.750	114.6333333	MAN	3	26/06/1981
4084365	6066	Thryptomene stenophylla	2	Spalding Park, Geraldton	-28.770	114.6163889	AUTO	3	3/06/1973
1025988	6066	Thryptomene stenophylla	2	Banks of Chapman River	-28.733	114.6166667	MAN	4	2/09/1947
1026437	6066	Thryptomene stenophylla	2	Spalding Park, Geraldton	-28.750	114.6333333	MAN	3	/06/1965
5392195	6066	Thryptomene stenophylla	2	Chapman River Regional Park, Geraldton,	-28.717	114.65	MAN		2/06/1999
1026453	6066	Thryptomene stenophylla	2	Spalding Park, Geraldton	-28.750	114.6333333	MAN	3	3/06/1973
5395917	6066	Thryptomene stenophylla	2	W of Yanget Road, Moonyoonooka,	-28.717	114.7833333	MAN		7/06/1999
8213488	6066	Thryptomene stenophylla	2	7.8 km along Giles Road from Moonyoonooka Road	-28.733	114.75	UNK	3	20/08/2003
8213496	6066	Thryptomene stenophylla	2	W of Yanget Road (previously known as Kojarina North Road), 2.25 km S of East Chapman Road and ca 5.5 km N of Geraldton - Mount Magnet Road	-28.677	114.8557833	GPS	1	20/08/2003
8213518	6066	Thryptomene stenophylla	2	W of Yanget Road (previously known as Kojarina North Road), 2.25 km S of East Chapman Road and ca 5.5 km N of Geraldton - Mount Magnet Road	-28.677	114.8571	GPS	1	20/08/2003
8213526	6066	Thryptomene stenophylla	2	At creek crossing on Scott Road, 3.15 km N of Chapman East Road	-28.643	114.7935833	GPS	1	20/08/2003
8213550	6066	Thryptomene stenophylla	2	On the Morrell farm property, on S slope of Mt Rennie	-28.662	114.74855	GPS	1	20/08/2003
8270201	6066	Thryptomene stenophylla	2	Site No. GRV0872. Chapman River near Eucalyptus road, Geraldton	-28.753	114.6594444	GPS	1	2/10/2008
8451044	6066	Thryptomene stenophylla	2	Chapman River Regional Park, 5.6 km NE of Geraldton	-28.735	114.6457069	GPS	1	25/09/2012
8213534	6066	Thryptomene stenophylla	2	On the Morrell farm property, on E slope of Mount Rennie	-28.659	114.7437167	GPS	1	20/08/2003
8213542	6066	Thryptomene stenophylla	2	On the Morrell farm property, S of Mt Rennie	-28.668	114.74425	GPS	1	20/08/2003
1096435	6066	Thryptomene stenophylla	2	Chapman [River], N of Geraldton	-28.733	114.6166667	MAN	4	27/06/1901
1096842	6066	Thryptomene stenophylla	2	Prope [Near] Chapman River	-28.733	114.6166667	MAN	4	27/06/1901
5225337	6066	Thryptomene stenophylla	2	2.8 km due N of Woodbine,	-28.654	114.7817786	MAN		27/06/1998
2028638	12399	Verticordia capillaris	4	NE of Geraldton	-28.744	114.6411111	AUTO	4	1/11/1979
1406736	12403	Verticordia chrysostachys var. pallida	3	Wicherina	-28.716	115	AUTO	3	19/10/1980
1406701	12403	Verticordia chrysostachys var. pallida	3	E of Wicherina Reserve	-28.716	115	AUTO	3	21/11/1987
1406728	12403	Verticordia chrysostachys var. pallida	3	E of Wicherina Reserve	-28.716	115	AUTO	3	21/11/1987
2029197	12403	Verticordia chrysostachys var. pallida	3	Wicherina	-28.716	115	AUTO	3	19/10/1980
2029200	12403	Verticordia chrysostachys var. pallida	3	E of Geraldton	-28.783	114.6430556	AUTO	3	8/12/1979
2685914	12413	Verticordia densiflora var. roseostella	3	Between Dongara and Northampton	-28.798	114.7808333	AUTO	5	19/09/1932
2062879	12413	Verticordia densiflora var. roseostella	3	Between Dongara and Northampton	-28.798	114.7808333	AUTO	5	19/09/1932
3379299	12413	Verticordia densiflora var. roseostella	3	Ca 15 km N of Geraldton then 4.2 km E of North West Coastal Highway on White Peak Road and 200-300 m N of the road. AMG: 2 72 000 E 68 30 950 N (off map)	-28.628	114.6677778	MAN		5/12/1993
5287170	12413	Verticordia densiflora var. roseostella	3	Kojarena Reserve, on rail reserve near Telstra Tower	-28.725	114.8608333	MAN		18/10/1998
1404539	12413	Verticordia densiflora var. roseostella	3	Moresby Range	-28.700	114.6666667	AUTO	4	16/09/1979
5916194	12413	Verticordia densiflora var. roseostella	3	Chapman River Regional Wldlife corridor, Geraldton,	-28.729	114.6455556	GPS	1	12/11/2001
6420699	12413	Verticordia densiflora var. roseostella	3	Moresby Conservation Park, Site 2	-28.620	114.6805556	MAN	2	25/09/2002
1404555	12413	Verticordia densiflora var. roseostella	3	Wicherina	-28.716	115	AUTO	3	19/10/1980
2029480	12413	Verticordia densiflora var. roseostella	3	E of Geraldton	-28.770	114.6163889	AUTO	3	6/10/1979
6138233	12413	Verticordia densiflora var. roseostella	3	E boundary of firebreak, access from E side of Fairfax Drive, Chapman Park	-28.733	114.6333333	MAN	3	7/10/2001
8416621	12444	Verticordia muelleriana subsp. minor	2	Geraldton to Mullewa Rail Corridor, 10 km SW of Tenindewa	-28.722	115.0022222	GPS	1	18/09/2010
1401416	12444	Verticordia muelleriana subsp. minor	2	Wicherina	-28.716	115	AUTO	3	16/09/1979
1401459	12444	Verticordia muelleriana subsp. minor	2	Near Wicherina	-28.716	115	AUTO	3	20/11/1987
1401440	12444	Verticordia muelleriana subsp. minor	2	Near Wicherina	-28.716	115	AUTO	3	20/11/1987
1401432	12444	Verticordia muelleriana subsp. minor	2	E of Wicherina Reserve	-28.716	115	AUTO	3	21/11/1987
1401424	12444	Verticordia muelleriana subsp. minor	2	E of Wicherina Reserve	-28.716	115	AUTO	3	21/11/1987
2034336	12444	Verticordia muelleriana subsp. minor	2	Wicherina	-28.716	115	AUTO	3	19/10/1980
1887912	12444	Verticordia muelleriana subsp. minor	2	Wicherina South Road, 2 - 3 km S of Geraldton - Mullewa Road	-28.792	114.6166667	AUTO	3	10/12/1988
1401408	12444	Verticordia muelleriana subsp. minor	2	Wicherina South Road	-28.716	115	AUTO	3	10/12/1988
5982219	6106	Verticordia penicillaris	4	Private property, top of breakaway 150 m SE of house 1.2 km (by road) along Carey Road off White Peak Road, c. 18 km N of Geraldton,	-28.583	114.65	MAN	3	25/08/1997
1183567	6106	Verticordia penicillaris	4	14 km N of Geraldton	-28.633	114.6333333	MAN		11/10/1981
1135201	6106	Verticordia penicillaris	4	12.9 miles from Geraldton towards Northampton (325 miles from Perth).	-28.583	114.6333333	MAN	3	21/09/1968
1134655	6106	Verticordia penicillaris	4	21 km N of Geraldton.	-28.583	114.6333333	MAN	3	20/09/1985
1135155	6106	Verticordia penicillaris	4	Moresby Range, 21 road miles N of Geraldton, Howatharra Hill Reserve. (Lot 1, Loc. 10550).	-28.702	114.675	MAN	3	5/10/1974
2032279	6106	Verticordia penicillaris	4	Moresby Range	-28.700	114.6666667	AUTO	4	16/09/1979
8959714	6106	Verticordia penicillaris	4	E of North West Coastal Highway, N of Geraldton, W of the Moresby Ranges, between Oakajee River and Buller River	-28.587	114.6319656	GPS	1	21/10/2009
8959722	6106	Verticordia penicillaris	4	Crown Reserve, 130 m E of North West Coastal Highway, 4.75 km E of Oakajee River mouth, 20.7 km N of Geraldton town centre	-28.587	114.6316082	GPS	1	24/10/2009
8997640	6106	Verticordia penicillaris	4	Moresby Conservation Park, growing along rocky creekline E of central cleared area	-28.623	114.67	GPS	1	23/11/2017
88240	6106	Verticordia penicillaris	4	Moresby Range, 33.9 km (21 road miles) N of Geraldton, Howatharra Hill Reserve. Lot 1, Victoria Location 10550.	-28.699	114.6681011			5/10/1974
88241	6106	Verticordia penicillaris	4	E verge of North West Coast Hwy, N from the junction with White peak Rd.	-28.632	114.6292114			11/10/1981
88242	6106	Verticordia penicillaris	4	21 km N of Geraldton, North West Coast Hwy.	-28.590	114.6347663			20/09/1985
522317	11278	Vittadinia cervicalaris var. occidentalis	1	White Peak	-28.633	114.6333333	TOPO	3	/09/1939
522309	11278	Vittadinia cervicalaris var. occidentalis	1	Spalding Park 3 Miles N of Geraldton	-28.717	114.6333333	TOPO	3	17/08/1965

522325	11278	Vittadinia cervicularis var. occidentalis	1	Champion Bay (Champion Bay = Geraldton approx. 500 km N of Perth)	-28.767	114.6	TOPO	3	/09/1899
522473	11278	Vittadinia cervicularis var. occidentalis	1	Howatharra Hill Reserve 21 road mi. N of Geraldton Moresby Range	-28.700	114.6666667	AUTO	3	12/04/1975
8584958	11278	Vittadinia cervicularis var. occidentalis	1	Ca 0.2 km W of Geraldton Walkaway Road, 2.1 km SE of Geraldton	-28.794	114.6283564	GPS	1	26/09/2007
84816	1404	Wurmbea tubulosa		Private Property - Location No. 541 off Kojarena South Road.4.5km south along Northern Gully South Road from Geraldton-Mullewa Road, then 800m southeast from the Kojarena South Road T junction along Sandplains Road, then east of road to the site.	-28.743	114.9027778			14/07/2009
7515820	29964	Xanthoparmelia sargentii	1	Opposite Howatharra Nature Reserve NNE of Northampton on Moresby Range	-28.548	114.6661111	GPS	1	5/01/2004

Appendix 4: William & Son Flora Report

Kimberley Quarry Pty Ltd Survey of native flora species lot 20 Plan 6975

East Chapman CPS 10758/1

Site visit 26-06-2025.

The farm was first grazed around 1900 when it was part of Newmarrcarra Station. It was then split off the station and sold and has been grazed ever since. There was a lot of wood cutting in the early 1900s for Sandalwood (*Santalum spicatum*) for incense and Jam (*Acacia acuminatum*) for fence post. There was a lot of land clearing around 50 years ago around the quarry area to establish more improved pasture.

The quarry was started by Australian Blue Metal in the 1950s.

This information supplied by David Young Operations Manager Kimberly Quarries Geraldton.



Showing mature Jam tree (*Acacia acuminatum*) multi stemmed form has most likely been caused by stock grazing. *Acacias* are palatable to Sheep Cattle and Goats.

Kimberley Quarry Pty Ltd Survey of native flora species lot 20 Plan 6975

East Chapman CPS 10758/1

Site Visit 26-06-2025.

Native species located on site	Comments in relation to remnant vegetation.
<i>Acacia acuminata</i>	All mature approaching Senescans no regeneration not common on site
<i>Acacia ramulosa</i>	All mature approaching Senescans no regeneration nearly as common as <i>Hakea recurva</i>
<i>Amyema preissii</i>	Small amount on acacia acuminatum
<i>Eucalyptus camaldulensis</i>	Small number mature trees on moisture gaining sites. May have colonised.
<i>Eucalyptus loxophleba</i>	Small number mature trees in pasture
<i>Gnephosis tenuissima</i>	Very small number of small species difficult to locate.
<i>Hakea recurva</i>	Most common native species on site. Has fruited well in past years. See notes.
<i>Polianthion wichurea</i>	Shrub not flowering very small number
<i>Quoya verbascina</i>	Shrub not flowering very small number

Notes to above flora list.

The area surveyed is extremely Degraded. On the Keighery scale 1994 the area is classified **Completely degraded (6)**. It is noted that the species *Acacia ramulosa* and *Hakea recurva* are the most numerous species on site. This is most likely because of the very pungent nature of the foliage. There is a large dense well established introduced annual weed species population. There is also a smaller range and population of perianal introduced weed species.

Kimberley Quarry Pty Ltd Survey of native Flora species lot 20 Plan 6975

East Chapman

Site Visit 26-06-2025.

Doubtful area

UTM and Site No	Material on site
0284927 6824369 site 1	15 mature Hakea recurva
0284927 6824369 site 2	Euc. Loxophleba very few Hakea
0284990 6824298 site 3	2 large old Euc Cameldulensis

Kimberley Quarry Pty Ltd Survey of introduced or non-native species lot 20 Plan 6975

East Chapman CPS 10758/1 Site Visit 26-06-2025.

Potential Threatened and Priority species.

Species Name and rating	Approx. flowering	Comments
<i>Acanthocarpus parviflorus</i> P 3.	May Jun	Not observed does not occur in granitic areas.
<i>Androcalva microphylla</i> P.2	August on	Not observed, has distinctive foliage
<i>Beyeria gardneri</i> P. 3	July on	Not observed does not appear to have been recorded within 10 Km.
<i>Caladenia bryceana</i> T	July on	Not observed occurs further north.
<i>Caladenia hoffmanii</i> T	July on	Not observed has potential to occur in general area
<i>Caladenia longicauda</i> P 2	Spring	Not observed does not appear to have been recorded within 15 Km.
<i>Caladenia pluvialis</i> P 2	Spring	Not observed does not appear to have been recorded within 20 Km
<i>Caladenia wanosa</i> T	Aug on	Not observed does not appear to have been recorded within 15 Km
<i>Drummondita ericoides</i> T	Sept oct	Not observed.
<i>Eucalyptus cuprea</i> T	Aug Nov	No rough bark mallee species Except <i>E. loxophleba</i> observed. Does occur in granite.
<i>Eucalyptus blaxellii</i> P 4	Aug Nov	No smooth bark mallee species observed. Does occur nearby.
<i>Eucalyptus ebbanoensis</i> 4	Sept to Mar	No smooth bark glossy leaved mallee species observed. Does occur nearby.
<i>Grevillea bracteosa</i> subsp. <i>howatharra</i> T	Aug Nov	Not observed occurs to North and East.
<i>Grevillea candicans</i> P 3	Aug Oct	Not observed occurs deep sand
<i>Grevillea granulosa</i> P 3	July Oct	Not observed mainly further East.
<i>Grevillea leptopoda</i> P 3	Aug Sept	Not observed occurs well North and South
<i>Grevillea triloba</i> P 3	Jun Oct	Not observed common in area has distinctive leaf form.
<i>Leucopogon borealis</i> P 2	Unknown	No <i>Leucopogon</i> observed most population to North
<i>Leucopogon psammophilus</i> P 1	Unknown	No <i>Leucopogon</i> observed greatest population to South
<i>Leucopogon</i> Sp. <i>Moresby Ranges</i> P 3	Jun Jul	Not observed occurs to North
<i>Thryptomene stenophylla</i> P 2	Jun Aug	Not observed does not occur in granitic areas.

Note 1 The smaller less robust Genus such as *Caladenia*, *Pterostylis*, *Drakaea* and *Leschenaultia* would have been out competed by the dense vigorous nature of the introduced species. The livestock grazing regime of the last 80 plus years has reduced the native population to a remnant of very robust long-lived Genera.

Kimberley Quarry Pty Ltd Survey of introduced or non-native species lot 20 Plan 6975
East Chapman CPS 10758/1
 Site Visit 26-06-2025.

Common name Perennial	Scientific name	Percentages of cover of individual species
Mulla mulla	<i>Ptilotus polystachyus</i>	Very small amount, insignificant
Bamboo	<i>Arundo Sp.</i>	Small amount most likely clumping species as appears to be confined.
Dongarra daisy	<i>Reichardia tingatana</i>	Small number possibly an annual.
Pussy tails	<i>Pentaschistis thunbergia</i>	Small Number.
Common name Annual	Scientific name	
Brome grass	<i>Bromus alopecuross</i>	Very small number.
Barley grass	<i>Hordeum leporinum</i>	Most dominant introduced species
Blue lupin	<i>Lupinus cosentinii</i>	Medium density
Cape weed	<i>Arctotheca calendula</i>	Medium density
Erodium	<i>Erodium botrys</i>	Medium density
Mallow	<i>Malva parviflorum</i>	Small number
Wild Turnip	<i>Brassica tournefortii</i>	Very small numbers
Wild Melon	<i>Citrullus lanatus</i>	Scattered areas of summer growing annuals

Notes to above. There do not appear to be any declared weeds. The dense weed cover appears to have prevented any natural regeneration of native species.

Kimberley Quarry Pty Ltd Survey of native flora species lot 20 Plan 6975

East Chapman CPS 10758/1

Site Visit 26-06-2025.

Conclusions after site visit.

The site is extremely degraded from the native plant diversity and structure point. Most material is very aged and reduced in diversity. There does not appear to be any threatened or priority species on site. The very great and diverse range of introduced species (weeds) population has outcompeted the complete range of native species. This process was most probably commenced 100 years previous. There does not appear to be evidence of Jarrah Dieback (*Phytophthora*). There would be a very small amount of Carnaby Cockatoo grazing on the small number of *Hakea recurva*. It is interesting to note that this avian species has adapted to grazing canola. There appears to be considerable areas within close proximity. There did not appear to be any nesting holes / sites. *Eucalyptus salmonophloia* is a suitable species for Carnaby Cockatoo nest sites. This species does not occur in granitic areas. Dust, water erosion and fire all seem to be well managed.



Showing healthy vigorous weed population in foreground with very degraded native population behind.

References

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