GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3294/4
Permit Holder:	Alinta DEWAP Pty Ltd (ACN: 058 070 689)
Duration of Permit:	12 December 2009 – 12 December 2024

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

PART I –CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing for the purpose of hazard reduction, fire control for powerlines and installation of underground cables.

2. Land on which clearing is to be done

Closed Road, Boodarie
Lot 1497 on Plan 404497, Boodarie
Lot 1501 on Plan 404497, Boodarie
Lot 1502 on Plan 404497, Boodarie
Lot 1504 on Plan 404497, Boodarie
Lot 2514 on Plan 213177, Wedgefield
Lot 255 on Plan 192056, Boodarie
Lot 265 on Plan 193736, Boodarie
Lot 274 on Plan 219540, Boodarie
Lot 301 on Plan 219101, Boodarie
Lot 302 on Plan 219101, Boodarie
Lot 309 on Plan 220276, Boodarie
Lot 323 on Plan 74344, Boodarie
Lot 350 on Plan 74712, South Hedland
Lot 355 on Plan 74206, Boodarie
Lot 358 on Plan 74206, Boodarie
Lot 376 on Plan 220768, Boodarie
Lot 400 on Plan 72979, South Hedland
Lot 409 on Plan 28588, Boodarie
Lot 450 on Plan 74371, South Hedland
Lot 487 on Plan 61851, Boodarie
Lot 500 on Plan 59880, Boodarie
Lot 5549 on Plan 216397, Boodarie
Lot 570 on Plan 76673, South Hedland
Lot 571 on Plan 76673, South Hedland

Lot 572 on Plan 76673, South Hedland
Lot 573 on Plan 76673, South Hedland
Lot 574 on Plan 76673, South Hedland
Lot 5906 on Plan 219101, Boodarie
Lot 601 on Plan 70566, Boodarie
Lot 6013 on Plan 219101, South Hedland
Lot 6015 on Plan 219101, Boodarie
Lot 6016 on Plan 219101, Boodarie
Lot 6017 on Plan 219101, Boodarie
Lot 6018 on Plan 219101, Boodarie
Lot 6019 on Plan 219101, Wedgefield
Lot 602 on Plan 70566, Boodarie
Lot 6036 on Plan 219101, South Hedland
Lot 6118 on Plan 195281, Boodarie
Lot 702 on Plan 400624, Boodarie
Lot 8004 on Plan 401240, South Hedland
Lot 9001 on Plan 75754, South Hedland
Lot 9500 on Plan 75754, South Hedland
Road Reserve, (PIN 11427763), Wedgefield
Road Reserve, (PIN 11430728), South Hedland
Road Reserve, (PIN 11430769), South Hedland
Road Reserve, (PIN 11432445), South Hedland
Road Reserve, (PIN 11432658), South Hedland
Road Reserve, (PIN 12078976), Wedgefield
Road Reserve, (PIN 12078977), Boodarie
Road Reserve, (PIN 12078978), South Hedland
Road Reserve, (PIN 12099558), South Hedland
Road Reserve, (PIN 12103604), South Hedland
Road Reserve, (PIN 12103611), South Hedland
Unallocated Crown Land, Boodarie

3. Area of Clearing

The Permit Holder must not clear more than 45 hectares of native vegetation within the area shaded yellow on attached Plan 3294/4.

4. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

PART II – MANAGEMENT CONDITIONS

5. Avoid, minimise and reduce the impacts and extent of clearing

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

(a) avoid the clearing of native vegetation;
(b) minimise the amount of native vegetation to be cleared; and
(c) reduce the impact of clearing on any environmental value.

6. Weed management

When undertaking any clearing or other activity authorised under this Permit, the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds*:

(a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;

(b) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and

(c) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

PART III – RECORD KEEPING AND REPORTING

7. Record keeping

The Permit Holder must maintain the following records in relation to the clearing of native vegetation authorised under this Permit:

(a) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;

(b) the date(s) that the area was cleared;

(c) the size of the area cleared (in hectares);

(d) actions taken to avoid, minimise and reduce the impacts and extent of clearing in accordance with condition 5 of this Permit; and

(e) actions taken to minimise the risk of the introduction and spread of *weeds* in accordance with condition 6 of this Permit.

8. Reporting

The Permit Holder must produce the records required under condition 7 of this Permit when required by the *CEO*.

DEFINITIONS

The following meanings are given to terms used in this Permit:

CEO means the Chief Executive Officer of the Department responsible for the administration of the clearing provisions under the *Environmental Protection Act 1986*;

fill means material used to increase the ground level, or fill a hollow;

mulch means the use of organic matter, wood chips or rocks to slow the movement of water across the soil surface and to reduce evaporation;

weed/s means any plant -
(a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
(b) published in a Department of Biodiversity, Conservation and Attractions Regional Weed Rankings Summary, regardless of ranking; or
(c) not indigenous to the area concerned.

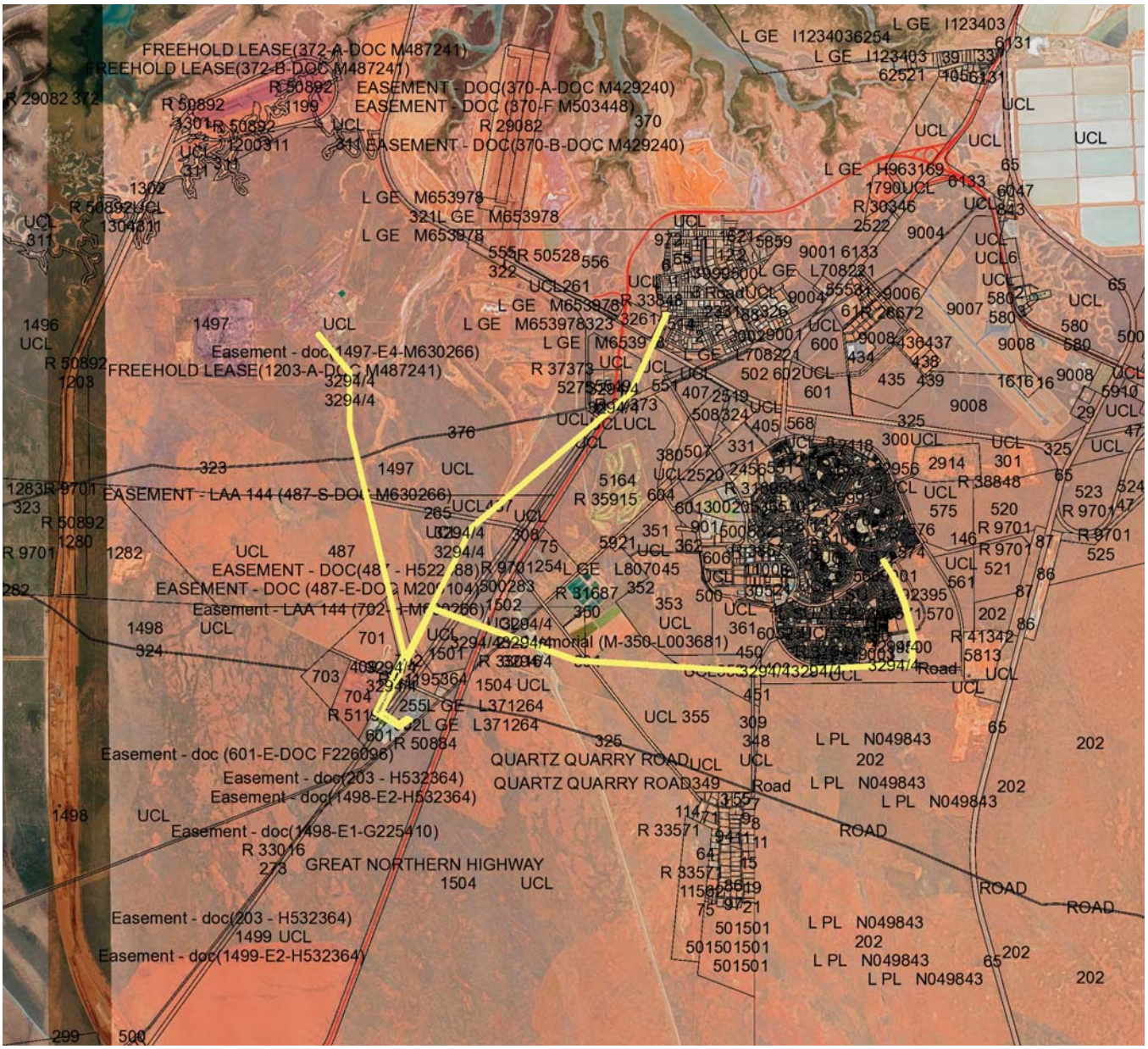
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Ryan Mincham
MANAGER
NATIVE VEGETATION REGULATION

Officer delegated under Section 20
of the Environmental Protection Act 1986

10 December 2019

Plan 3294/4


FREEHOLD LEASE(372-A-DOC M487241)
FREEHOLD LEASE(372-B-DOC M487241)
EASEMENT - DOC(370-A-DOC M429240)
EASEMENT - DOC (370-F M503448)
EASEMENT - DOC(370-B-DOC M429240)
Easement - doc 1497-E4-M630266)
FREEHOLD LEASE(1203-A-DOC M487241)
EASEMENT - LAA 144 (487-S-DOC M630266)
EASEMENT - DOC(487-H522
EASEMENT - DOC (487-E-DOC M20
Easement - LAA 144 (702-
Memorial (M-350-L003681)
Easement - doc (601-E-DOC F226096)
Easement - doc(203 - H532364)
Easement - doc(1498-E2-H532364)
Easement - doc(1498-E1-G225410)
GREAT NORTHERN HIGHWAY
Easement - doc(203 - H532364)
Easement - doc(1499-E2-H532364)
QUARTZ QUARRY ROAD
QUARTZ QUARRY ROAD
ROAD
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L GE M653978
L GE M653978323
L GE M653978
L GE M653978
L GE M6539
L GE L708221
L GE L807045
L GE I1234036254
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L GE H963169
L PL N049843
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Clearing Permit Decision Report

1. Application details

1.1. Permit application details

Permit application No.: 3294/4
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: Alinta DEWAP Pty Ltd
Application received date: 6 August 2019

1.3. Property details

Property:

Closed Road, Boodarie
Lot 1497 on Plan 404497, Boodarie
Lot 1501 on Plan 404497, Boodarie
Lot 1502 on Plan 404497, Boodarie
Lot 1504 on Plan 404497, Boodarie
Lot 2514 on Plan 213177, Wedgefield
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	Lot 6036 on Plan 219101, South Hedland Lot 6118 on Plan 195281, Boodarie Lot 702 on Plan 400624, Boodarie Lot 8004 on Plan 401240, South Hedland Lot 9001 on Plan 75754, South Hedland Lot 9500 on Plan 75754, South Hedland Road Reserve, (PIN 11427763), Wedgefield Road Reserve, (PIN 11430728), South Hedland Road Reserve, (PIN 11430769), South Hedland Road Reserve, (PIN 11432445), South Hedland Road Reserve, (PIN 11432658), South Hedland Road Reserve, (PIN 12078976), Wedgefield Road Reserve, (PIN 12078977), Boodarie Road Reserve, (PIN 12078978), South Hedland Road Reserve, (PIN 12099558), South Hedland Road Reserve, (PIN 12103604), South Hedland Road Reserve, (PIN 12103611), South Hedland Unallocated Crown Land, Boodarie
Local Government Authority:	Town of Port Hedland
Localities:	South Hedland, Boodarie and Wedgefield

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	Purpose category:
45		Mechanical Removal	Hazard reduction, fire control for powerlines and installation of underground cables

1.5. Decision on application

Decision on Permit Application:	Granted
Decision Date:	10 December 2019
Reasons for Decision:	The clearing permit application has been assessed against the clearing principles, planning instruments and other matters in accordance with section 51O of the *Environmental Protection Act 1986* (EP Act). It has been concluded that the proposed clearing is at variance with Principle (f) and is not likely to be at variance with any of the remaining principles. In determining to grant this amendment, the Delegated Officer considered that the application to extend the duration of the clearing permit would not pose an unacceptable risk to the environment.

2. Site Information

Clearing Description	The proposal is to clear 45 hectares of native vegetation within easement M630266 for the purpose of hazard reduction, fire control for powerlines and installation of underground cables. It is proposed for 10 metres to be cleared from either side of the existing powerlines. The area has been previously cleared and is in a degraded (Keighery 1994) condition.
Vegetation Description	The vegetation within the application area is mapped as Beard vegetation types: 647 - Hummock grasslands, dwarf-shrub steppe; Acacia translucens over soft spinifex. 589 - Short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft spinifex (Shepherd et al., 2001).
Vegetation Condition	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)
Soil type	Uaroo Land System - Broad sandy plains, pebbly plains and drainage tracts supporting hard and soft spinifex hummock grasslands with scattered acacia shrubs. Sandplains and occasional dunes; Spinifex grasslands
Comments	The application to amend clearing permit application CPS 3294/3 is to extend the duration of the clearing permit and does not include any amendment to the quantity or extent of clearing.

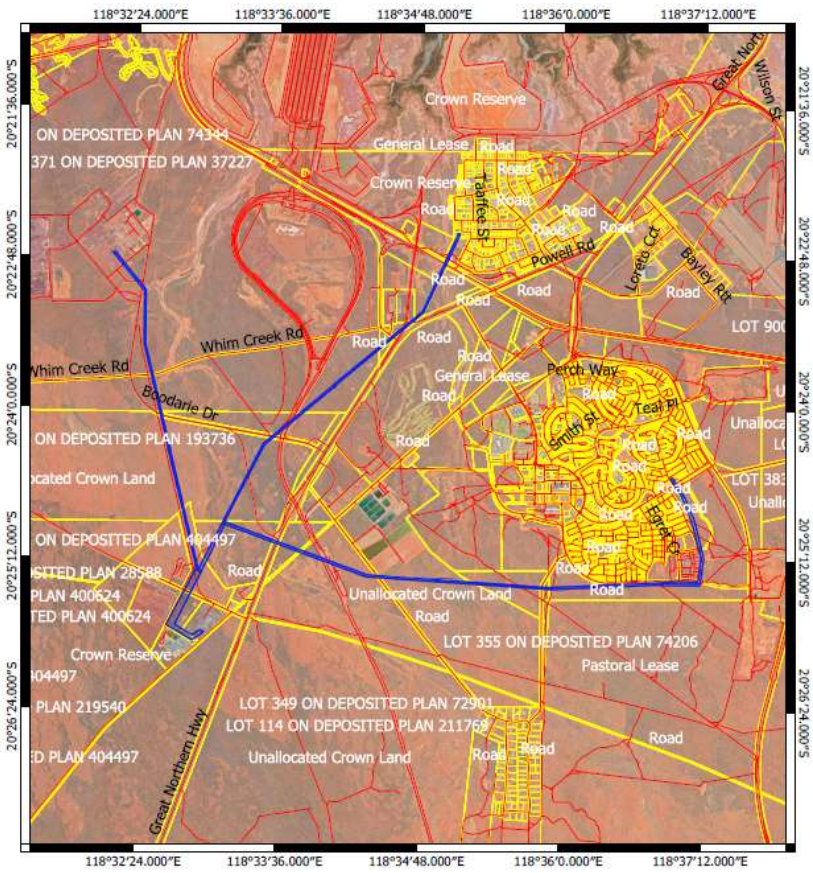


Figure 1: Application area hatched blue.

3. Assessment of application against clearing principles

The vegetation within the application area has been previously cleared and is in degraded (Keighery, 1994) condition. The proposed clearing is a long, linear area and therefore it is unlikely that clearing of degraded (Keighery, 1994) vegetation at any locality will have a significant impact on the environment. Given the above, the proposed clearing is not likely to include vegetation with a high biological diversity, include vegetation significant for indigenous fauna, include threatened or priority flora, threatened or priority ecological communities. The vegetation does not represent any under-represented vegetation associations and is not in an extensively cleared landscape. The nature of the clearing is not likely to result in appreciable land degradation, deterioration in the quality of surface or underground water and is not likely to cause or exacerbate flooding. The application area intersects three watercourses and therefore likely includes native vegetation growing in association with these watercourses, however, given the condition of the vegetation the riparian vegetation to be cleared is unlikely to be significant.

Given the above, the proposed clearing is at variance with Principle (f) and is not likely to be at variance with any of the clearing principles.

A review of available current fauna databases identified 25 terrestrial fauna species of conservation significance within the local area (Department of Biodiversity, Conservation and Attractions, 2007). None of these species listed below have critical habitat within the application area.

Common Name	*Binomial name*	Number of Recorded Occurences	Conservation code
Eastern Curlew	*Numenius madagascariensis*	2	CR
Northern Quoll	*Dasyurus hallucatus*	2	EN
Common Sandpiper	*Actitis hypoleucos*	4	IA
Ruddy Turnstone	*Arenaria interpres*	5	IA
Sharp-Tailed Sandpiper	*Calidris acuminata*	9	IA
Red-Necked Stint	*Calidris ruficollis*	6	IA
Long-Toed Stint	*Calidris subminuta*	4	IA
White-Winged Black Tern,	*Chlidonias leucopterus*	6	IA
Gull-Billed Tern	*Gelochelidon nilotica*	1	IA

Oriental Pratincole	*Glareola maldivarum*	3	IA
Barn Swallow	*Hirundo rustica*	1	IA
Caspian Tern	*Hydroprogne caspia*	7	IA
Bar-Tailed Godwit	*Limosa lapponica*	1	IA
Little Curlew, Little Whimbrel	*Numenius minutus*	6	IA
Whimbrel	*Numenius phaeopus*	2	IA
Osprey, Eastern Osprey	*Pandion cristatus*	2	IA
Grey Plover	*Pluvialis squatarola*	1	IA
Crested Tern	*Thalasseus bergii*	1	IA
Grey-Tailed Tattler	*Tringa brevipes*	3	IA
Wood Sandpiper	*Tringa glareola*	7	IA
Common Greenshank,	*Tringa nebularia*	5	IA
Terek Sandpiper	*Xenus cinereus*	2	IA
Peregrine Falcon	*Falco peregrinus*	1	OS
Brush-Tailed Mulgara	*Dasycercus blythi*	97	P4
Crest-Tailed Mulgara,	*Dasycercus cristicauda*	3	P4

Due to the degraded nature of much of the application area and the fact that it is regrowth vegetation, it is unlikely that these species will occupy the proposed clearing area for extended periods. The majority of the species are highly mobile bird species, and also generally species which are coastal by nature, or predators. These species will generally only be found near water and inland, usually near lakes or sewage plants. Three mammal species were recorded as having occurred in the local area. Generally these species would be found in less degraded vegetation and are unlikely to occur on the easement unless traversing it.

A review of current flora databases identified 12 priority flora species within a 50 kilometre radius of the application area. A total of 9 of these species occur on the same sandy red soils as those found within the application area (WA Herb, 1998-) (see table below).

Taxon	Number of Recorded Occurrences	Conservation Code
Abutilon sp. Pritzelianum (S. van Leeuwen 5095)	18	1
Tephrosia rosea var. Port Hedland (A.S. George 1114)	9	1
Eragrostis crateriformis	7	3
Gomphrena leptophylla	1	3
Heliotropium muticum	26	3
Triodia chichesterensis	1	3
Bulbostylis burbidgeae	6	4
Goodenia nuda	7	4
Ptilotus mollis	1	4

Two priority flora species, *Abutilon sp. pritzelianum* (P1) and *Tephrosia rosea var. Port Hedland* (P1) were recorded in the local area (WA Herb, 1998-), however, it is unlikely that they occur given the degraded (Keighery, 1994) vegetation condition within the application area.

A review of current threatened and priority ecological community databases did not identify any State listed TEC or PEC within the local area and the mapped vegetation types are not consistent with any known State listed TEC or PEC.

A review of current vegetation extent data identified that the local area retains approximately 100% native vegetation (Government of Western Australia, 2018) and therefore the vegetation is not significant as a remnant in an extensively cleared area.

There are three minor non-perennial watercourses and two major tributaries (South west Creek and an unnamed drainage channel) which traverse the area under application, however, existing infrastructure and previous clearing of the application area make it unlikely that any vegetation within the application area growing in association with these watercourses is significant.

A review of current conservation area databases did not identify any managed conservation areas in close proximity or contiguous with vegetation within the application area. The proposed clearing is therefore not likely to directly, or indirectly impact on any conservation area.

The soil is free draining and is unlikely to cause deterioration in the quality of the ground or surface water. It is not considered likely that the proposed clearing will result in deterioration in surface or groundwater quality, or cause an increase in flooding due to the low mean annual rainfall (400mm), sandy red soil and the long, linear shape of the application area.

Standard regulatory controls are proposed to promote best practice management of clearing within the application area, including a condition to avoid and minimise clearing where possible and to manage weed spread as a result of clearing.

Planning instruments and other relevant matters.

The clearing permit application was advertised on the DWER website on 13 September 2019 with a 14 day submission period. No submissions have been received in relation to this proposal.

The applicant was provided a draft of the amended permit on 12 September 2019 with a 28 day notification period. No comments have been received from the applicant in response to the draft permit.

4. References

DBCA (2007-) NatureMap: Mapping Western Australia's Biodiversity. Department of Parks and Wildlife. URL: http://naturemap.dpaw.wa.gov.au/. Accessed October 2018.

Department of Primary Industry and Regional Development (DPIRD)(2019) NRInfo Digital Mapping. Department of Primary Industry and Regional Development. Government of Western Australia. URL: https://maps.agric.wa.gov.au/nrm-info/ (accessed December 2019).

Government of Western Australia (2018). 2018 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of December 2019. WA Department of Biodiversity, Conservation and Attractions, Perth.

Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.

Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Parks and Wildlife. http://florabase.dpaw.wa.gov.au/ (Accessed December 2019).

GIS Databases
- Hydrography, linear
- Hydrography, hierarchy
- Wetlands, Swan Coastal Plain
- DBCA tenure
- Heddle Vegetation Complexes
- Pre-European vegetation
- SAC bio datasets accessed September 2018
- Virtual mosaic
- Aboriginal sites register system
- Town Planning Scheme Zones