



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 8471/2
File Number: DWERT2685
Duration of Permit: From 17 April 2020 to 17 April 2022

PERMIT HOLDER

City of Cockburn

LAND ON WHICH CLEARING IS TO BE DONE

Frankland Reserve, Lot 2022 on Diagram 27846, Hammond Park

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 2.4 hectares of native vegetation within the area cross-hatched yellow on attached Plan 8471/2a.

CONDITIONS

1. 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.

2. Dieback and weed control

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* and *dieback*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no *dieback* or *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.

3. Fauna management

Clearing shall be conducted in a slow, progressive manner from east to west to allow fauna to move out of the clearing area and into adjacent remnant vegetation.

4. Land degradation (wind erosion)

The Permit Holder must begin construction works within 2 months of clearing activity to mitigate against land degradation through wind erosion.

5. Offset – Land acquisition

Prior to 1 August 2021, the Permit Holder shall provide to the *CEO* a copy of the executed change in purpose of Lot 140 on Deposited Plan 226007 (being Crown Reserve 1820) from 'Recreation' to 'Conservation' on Plan 8471/2b.

6. Vegetation management - fencing

- (a) Within six months of clearing, the Permit Holder shall construct a fence along the perimeter outlined in blue/black on attached Plan 8471/2c.
- (b) Within six months of clearing, the Permit Holder shall construct a fence enclosing the area coloured orange on Plan 8471/2d.
- (c) Prior to the expiry of this Permit, the Permit Holder shall construct a fence enclosing the area coloured grey on Plan 8471/2d.
- (d) Fences should allow for the movement of wildlife by being raised 15cm from the ground.
- (e) Within one month of installing the above fences, the Permit Holder shall notify the *CEO* in writing that the fence has been completed.

7. Records must be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit, 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 that the area was cleared;
- (c) the size of the area cleared (in hectares);
- (d) the direction that clearing was undertaken;
- (e) actions taken to avoid, minimise and reduce the impacts and extent of clearing in accordance with condition 1 of this Permit;
- (f) actions taken to minimise the risk of the introduction and spread of dieback and weeds in accordance with condition 2 of this Permit; and
- (g) evidence supporting compliance with conditions 3, 4, and 6 of this Permit.

8. Reporting

The Permit Holder must provide to the *CEO* the records required under condition 7 of this Permit, when requested 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*;

dieback means the effect of *Phytophthora* species on native vegetation;

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

land degradation includes salinity, erosion, soil acidity and waterlogging;

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.



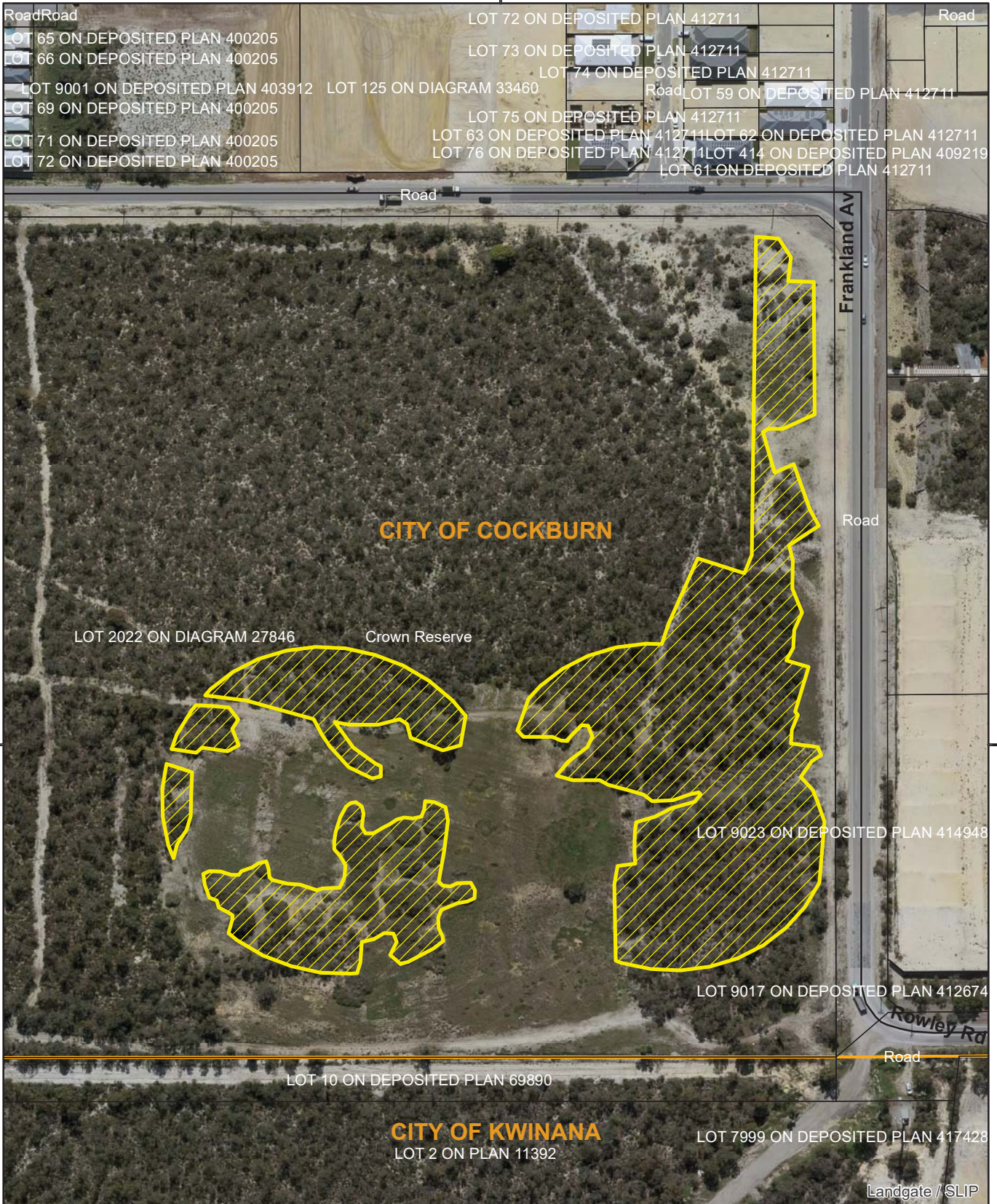
Mathew Gannaway
MANAGER
NATIVE VEGETATION REGULATION

*Officer delegated under Section 20
of the Environmental Protection Act 1986*

28 April 2020

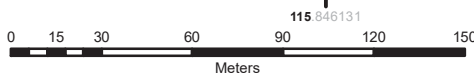
Plan 8471/2a

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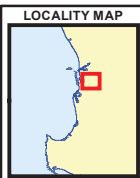
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LEGEND

- Area approved to clear
- Local Government Authorities
- State roads
- Major roads

Datum and Projection Information
 Geocentric Datum of Australia 94
 Projection: MGA 94 Zone 50
 Spheroid: Australian National Spheroid

Project Information
 Map Author: Carly Salsop
 Compilation date: 06/02/20
 Edition: 1

Mathew Gannaway
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Officer with delegation authority under Section 20 of the Environmental Protection Act 1986

Department of Water and Environmental Regulation

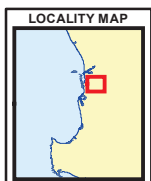
Plan 8471/2b Location of offset site



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LEGEND

- Offset site
- Local Government Authorities
- State roads
- Major roads

Datum and Projection Information
 Geocentric Datum of Australia 94
 Projection: MGA 94 Zone 50
 Spheroid: Australian National Spheroid

Project Information
 Map Author: Carly Satchell
 Compilation date: 06/02/20
 Edition: 1

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Officer with delegation authority under Section 20 of the Environmental Protection Act 1986

Plan 8471/2c - Frankland Reserve boundary fence

LOCALITY MAP



LEGEND

-  Boundary fence
-  Area approved to clear
-  Cadastre
-  Local Government Authorities

Datum and Projection Information

Vertical Datum:
Australian Height Datum (AHD)
Horizontal Datum:
Geocentric Datum of Australia 94
Projection:
MGA 94 Zone 50
Spheroid: Australian National Spheroid

Project Information
Client: City of Cockburn
Map Author: C. Bishop
Task ID: 8471/1
Filepath: J:
Filename:
Compilation date: 6 March 2020
Edition: 1



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Plan 8471/2d - Rose Shanks Reserve - Phase 1 & Phase 2 boundary fencing


LOCALITY MAP

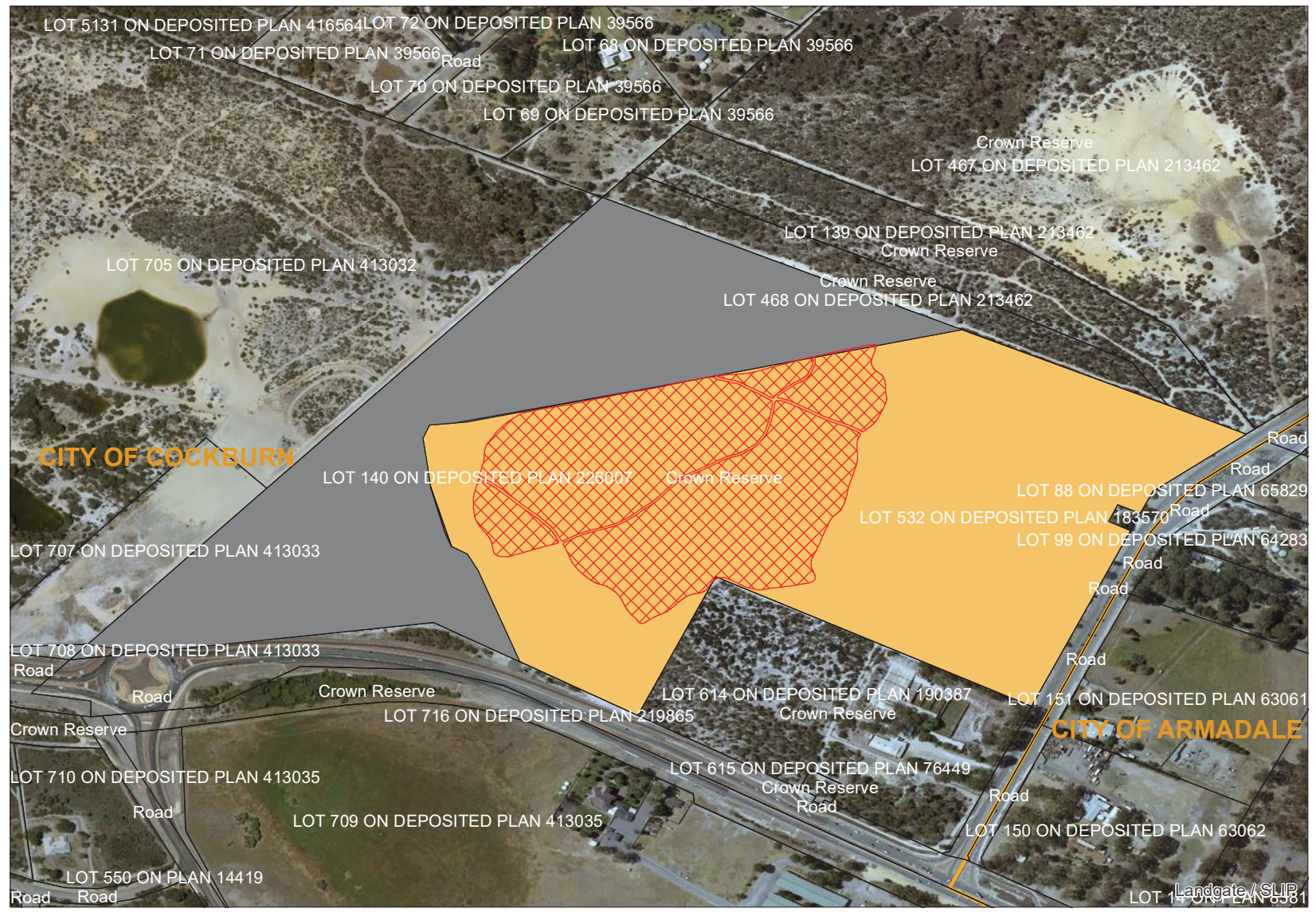


LEGEND

-  Offset site
-  Phase 1 fence
-  Phase 2 fence
-  Cadastre
-  Local Government Authorities

Datum and Projection Information
 Vertical Datum: Australian Height Datum (AHD)
 Horizontal Datum: Geocentric Datum of Australia 94
 Projection: MGA 94 Zone 50
 Spheroid: Australian National Spheroid
Project Information
 Client: City of Cockburn
 Map Author: C. Bishop
 Task ID: 8471/2
 Filepath: J:
 Completion date: 3 April 2020
 Edition: 2

 **Government of Western Australia**
 Department of Water and Environmental Regulation
 This map is a product of the Department of Water and Environmental Regulation Native Vegetation Regulation and was printed on 3 April 2020. This map was produced with the intent that it be used for display purposes at the scale of 1:5300 when printing at A3.
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1. Application details

1.1. Permit application details

Permit application No.: 8471/2
Permit type: Area Permit

1.2. Applicant details

Applicant's name: City of Cockburn
Application received date: 17 April 2019

1.3. Property details

Property: Lot 2022 on Diagram 27846, Hammond Park
Local Government Authority: Cockburn, City of
Localities: Hammond Park

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	Purpose category:
2.4		Mechanical Removal	Recreation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 28 April 2020
Reasons for Decision: This amendment is to correct an administrative error that occurred regarding the fencing requirements of the clearing permit. A review of current environmental information reveals no new additional information. Therefore the assessment against the clearing principles has not changed from the assessment for clearing permit CPS 8471/1.

Taking into account the above information, the Delegated Officer determined that the proposed clearing will have no additional significant residual impacts.

Given the above, the Delegated Officer decided to grant a clearing permit subject to avoid and minimise, weed and dieback management conditions, erosion and fauna management, fencing and offset conditions in line with clearing permit CPS 8471/1.

2. Site Information

Clearing Description The application is to clear 2.4 hectares of native vegetation within Lot 2022 on Diagram 27846, Hammond Park, for the purpose of constructing a public sports facility including two playing fields, club house and carpark (Figure 1).

Vegetation Description *Swan Coastal Plain Vegetation complex*
The application area is mapped as Bassendean Complex-Central and South with vegetation ranging from woodland of *Eucalyptus marginata* (Jarrah) - *Allocasuarina fraseriana* (Sheoak) - *Banksia* species to low woodland of *Melaleuca* species, and sedgelands on the moister sites. This includes the transition of *Eucalyptus marginata* (Jarrah) to *Eucalyptus tottiana* (Pricklybark) in the vicinity of Perth (Mattiske and Havel, 1998).

Vegetation survey

One vegetation unit was recorded within the application area, which is described as Low Woodland of *Banksia attenuata* and *Banksia menziesii* with occasional *Eucalyptus marginata* over Low Scrub of *Xanthorrhoea preissii*, *Allocasuarina humilis* and *Eremaea pauciflora* var. *pauciflora* over Dwarf Scrub of *Hibbertia hypericoides*, *Stirlingia latifolia* and *Hypocalymma robustum* over Open sedges of *Mesomelaena pseudostygia*, *Lyginia imberbis* and *Amphipogon turbinatus* (Focused Vision, 2018).

Conservation listing

The application area is mapped as the state-listed *Banksia Dominated Woodlands of the Swan Coastal Plain Priority 3 Ecological Community (PEC)*. This PEC was confirmed to be representative of FCT SCP28 *Spearwood Banksia attenuata or Banksia attenuata – Eucalyptus woodlands* (Focused Vision, 2018; DWER, 2019). This is synonymous with the Commonwealth-listed *Banksia Woodlands of the Swan Coastal Plain Threatened Ecological Community (TEC)*, listed as Endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Vegetation Condition

The application area ranges from Very good - Excellent to Completely Degraded condition (Keighery, 1994). The vegetation condition mapped by Focused Vision (2018) was confirmed and refined where required through a site inspection undertaken by Department of Water and Environmental Regulation (DWER) in August 2019 (Table 1 and Figure 1). Figure 2 includes photos taken of the application area during the DWER site inspection.

Table 1: Vegetation condition within the application area (Keighery, 1994; Focus, 2018 and DWER, 2019).

Scale	Description	Mapped extent within application area (ha)
Excellent	Vegetation structure intact, disturbance affecting individual species and weeds are non-aggressive species.	0.40
Very Good	Vegetation structure altered; obvious signs of disturbance	0.55
Good	Vegetation structure significantly altered by very obvious signs of multiple disturbance; retains basic structure or ability to regenerate	0.52
Degraded	Basic vegetation structure severely impacted by disturbance; scope for regeneration but not to a state approaching Good condition without intensive management	0.63
Completely Degraded	The structure of the vegetation is no longer intact and the area is completely or almost completely without native species.	0.34
Total application area		2.4 hectares

Soil type

The application area and surrounding Frankland Reserve is mapped as Spearwood S1b Phase (211Sp_S1b) which consists of dune ridges with deep siliceous yellow brown sands or pale sands with yellow-brown subsoil and slopes up to 15% (Schoknecht et al., 2004).

Local area

The 'local area' is defined as a 10 kilometre radius measured from the perimeter of the application area.

Within the local area, there is approximately 26.4 per cent of remnant vegetation remaining.

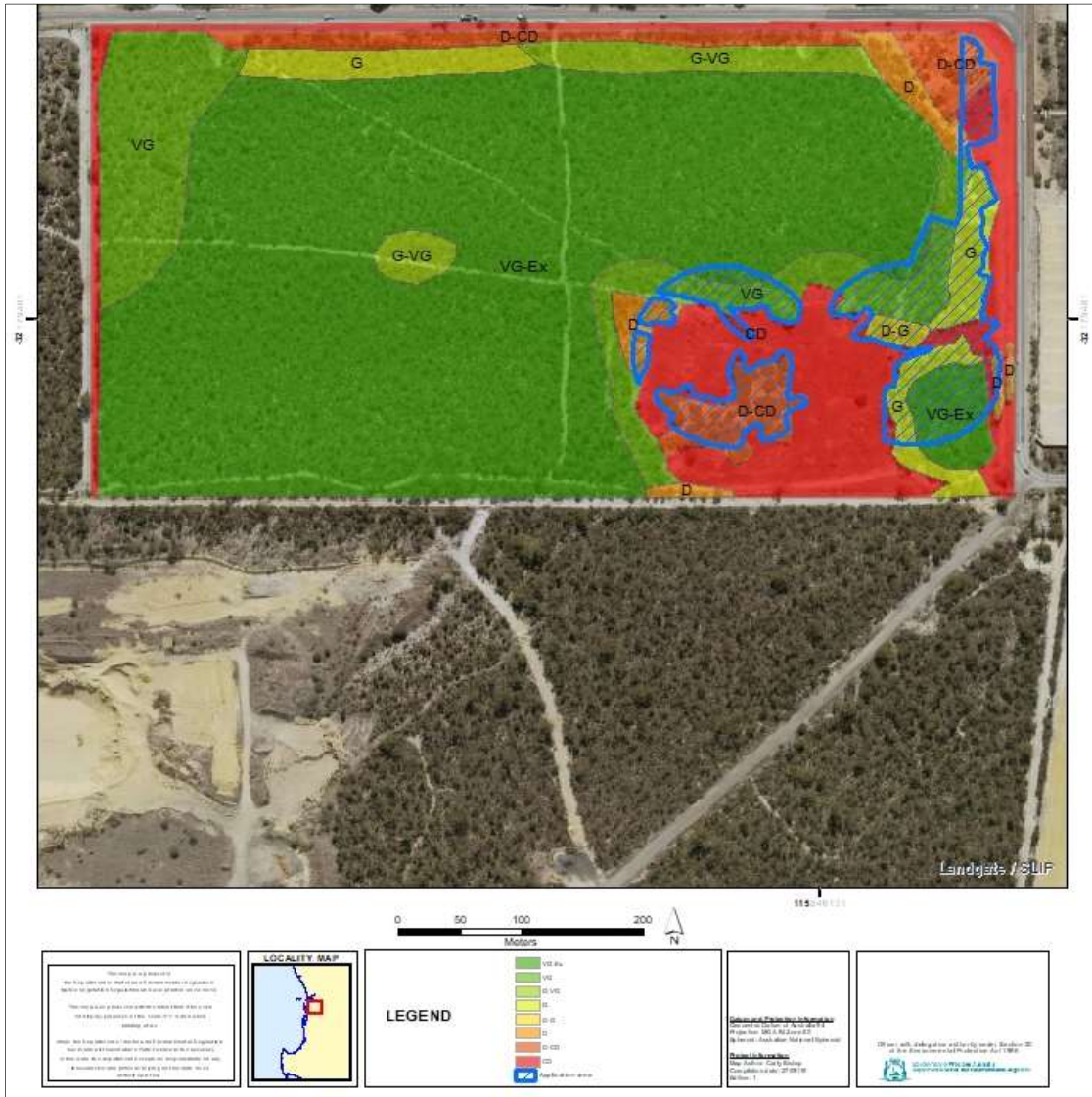


Figure 1: Application area (blue hatched) and vegetation condition – includes DWER corrections (Keighery 1994)



Photo 1: Looking east over Completely Degraded area. Taken from south-western corner of the application area (391127, 6438967).



Photo 2: Looking south-east over Very good to Excellent condition vegetation. Taken from south-eastern corner of application area (391298, 6439034).



Photo 3: Looking west into Good condition vegetation. Taken from eastern side of the application area (391337, 6439132).



Photo 4: Looking east into 'Very Good' condition vegetation. Taken from western edge of application area (391091, 6439112).

Figure 2: Photographs of the application area and its surrounds (DWER, 2019)

3. Assessment of application against clearing principles, planning instruments and other relevant matters

An administrative error has occurred regarding Permit Holder details for the clearing permit. A review of current environmental information reveals no new additional information. Therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 8211/1.

Planning instruments and other relevant matters.

No Aboriginal sites of significance have been mapped within the application area.

The planning instruments and other relevant matters has not changed and can be found in the Clearing Permit Decision Report CPS 8471/1. The offset requirements have not changed from CPS 8471/1.

4. References

- Department of Water and Environmental Regulation (DWER) (2019) Site inspection report for clearing permit application CPS 8417/1, undertaken 23 August 2019 (DWER Ref: A1828507)
- Focused Vision (2018) Flora, Vegetation and Fauna Assessment Frankland Park, Perth, WA.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment Australia.
- Schoknecht, N., Tille, P. and Purdie, B. (2004) Soil-landscape mapping in South-Western Australia – Overview of Methodology and outputs' Resource Management Technical Report No. 280. Department of Agriculture.

5. GIS databases

- Aboriginal sites of significance
- DBCA Species & Communities datasets accessed October 2019
- DBCA estate
- Hydrography linear
- Land degradation risk categories
- Remnant vegetation
- Cadastre
- Topographic contours
- Wetlands