



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3582/1

File Number: DEC14325

Duration of Permit: From 26 March 2010 to 26 March 2012

PERMIT HOLDER

City of Cockburn

LAND ON WHICH CLEARING IS TO BE DONE

RUSSELL ROAD RESERVE (SUCCESS 6164)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.63 hectares of native vegetation within the hatched yellow on attached Plan 3582/1.

CONDITIONS

Nil.

A handwritten signature in black ink, appearing to be "Kelly Faulkner", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

25 February 2010

Plan 3582/1



LEGEND

- Clearing Instrument
- Road Centrelines
- Cadastral
- Swan Coastal Plain
- Orthomosaic - Land



0 62 m

Scale 1:2480

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the accuracy of this map has not been
 verified. This may result in geometric
 distortions or measurement inaccuracies.

K Faulkner
 Date 25/2/10

K Faulkner

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

Information derived from this map should be
 confirmed with the data custodian acknowledged
 by the agency acronym in the legend.



Department of
 Environment and Conservation
 Our environment. our future
 WA Crown Copyright 2002



1. Application details

1.1. Permit application details

Permit application No.: 3582/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Cockburn

1.3. Property details

Property: ROAD RESERVE (SUCCESS 6164)

Local Government Area:

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.63		Mechanical Removal	Road construction or maintenance

2. Site Information

2.1. Existing environment and information

2.1.1. Description of the native vegetation under application

Vegetation Description	Clearing Description	Vegetation Condition	Comment
Beard Vegetation Unit: 1001: Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina (Shepherd, 2007)	The proposal is to clear up to 0.63 hectares of native vegetation for the purpose of constructing additional road along Russell Road.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The vegetation condition was determined through aerial photography (Swan Central 2009) and through the Flora and Fauna Survey Report (City of Cockburn, 2010).

BASSENDAN COMPLEX
- CENTRAL AND SOUTH :
Vegetation ranges from woodland of Eucalyptus marginata (Jarrah) - Allocasuarina fraseriana (Sheoak) - Banksia species to low woodland of Melaleuca species, and sedgeland on the moister sites. This area includes the transition of Eucalyptus marginata (Jarrah) to Eucalyptus tottiana (Pricklybark) in the vicinity of Perth. (Hedde et al., 1980)

A Flora and Fauna survey noted:

The following vegetation types were identified:

1. Melaleuca preissiana
Low Open Woodland over Pennisetum clandestinum*
and

Cynodon dactylon*
grassland

2. Melaleuca teretifolia
Open shrubland over Baumea articulata Open sedgeland

3. Avena fatua* grassland

The vegetation proposed

to be cleared is very isolated and highly fragmented within the project site. 28 weed species were recorded within the site with only 6 native species recorded (City of Cockburn, 2010)

3. Assessment of application against clearing principles

Comments

The proposal to clear up to 0.63 hectares for the purpose of road construction. The vegetation under application is in completely degraded (Keighery, 1994) condition with 28 weed species and 6 native species recorded within the applied area (City of Cockburn, 2010).

There are numerous threatened and priority fauna species recorded within a 5km radius, however, the area under application is small (0.63ha) and there is extensive surrounding vegetation (50% within the local area, 10km radius) in better condition than the applied area. Therefore, it is not significant habitat for native fauna or any fauna of conservation significance.

The area under application is within the buffer for an ANCA wetland being the Gibbs Road swamp system -). This wetland has been severely impacted by residential development and now exists as discrete wetland areas. The area under application is not connected with any of these remaining wetland areas. Given the above the impacts of clearing on this wetland system are likely to be minimal

Three rare flora species are known to exist in the local area, however the dense occurrence of weed species and the completely degraded condition of the vegetation make the applied area unlikely habitat for *Caladenia huegelii* (DEC, 2009), *Diuris micrantha* (Minister for DEWHA, 2008) and/or *Drakaea elastica* (WA Herbarium, 1998~).

As the clearing consists of 0.63ha of native vegetation and as the vegetation representation of surrounding vegetation is approximately 50% in predominately better condition than the applied area, it is unlikely the proposal will be considered as significant fauna habitat; comprising or necessary for the maintenance of a threatened ecological community or causing appreciable or exacerbating land degradation, water quality or flooding.

Given the above the assessment recommendation is that the proposal is not likely to be at variance to the any of the clearing principles.

Methodology

References:
City of Cockburn (2010)
Keighery (1994)
DEC (2009)
Hedde (1980)
Minister for DEWHA (2008)
Shepherd (2007)
WA Herbarium (1998)

GIS Layers:
DEC Tenure 01/06/05
Groundwater Salinity, statewide - DoW 13/07/06
Hydrogeographic Catchments, Catchments - DoW 01/06/07
Hydrogeology, statewide - DOW 13/07/06
Hydrography, linear DOW 13/7/06
Pre-European vegetation - DA 01/01
SAC Biodatasets accessed 12 February 2010

Planning instrument, Native Title, Previous EPA decision or other matter.

Comments

The land under application is vested with the City of Cockburn for use as a public road. The application to clear is consistent with this purpose.

Methodology

4. Assessment comments

Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s510 of the

Environmental Protection Act 1986, and the assessment recommendation is that the proposed clearing is not likely to be at variance to the any of the clearing Principles.

5. References

- City of Cockburn (2010) Russell Road-Lamar Court, Success, Flora and Fauna Report, January 2010, TRIM Ref DOC118776
- Department of Environment and Conservation (2009) Grand Spider Orchid (*Caladenia huegelii*) Recovery Plan.
Commonwealth Department of Environment, Water, Heritage and the Arts, Canberra.
- Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Minister for the Department of Environment, Water, Heritage and the Arts (2008) Approved Conservation Advice under s266B of the Environmental Protection and Biodiversity Conservation Act 1999, for *Diuris micrantha* (Dwarf Bee-orchid), 3 July 2008.
- Shepherd, D.P. (2007). Adapted from: Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.
- WA Herbarium (1998) Flora species profile for *Drakaea micrantha* accessed from Flora Base website, www.florabase.dec.wa.gov.au, accessed on 15 February 2010.

6. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment (now DEC)
DMP	Department of Mines and Petroleum (ex DoIR)
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)