



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3641/1
File Number: DEC14732
Duration of Permit: From 22 May 2010 to 22 May 2012

PERMIT HOLDER

Shire of Busselton

LAND ON WHICH CLEARING IS TO BE DONE

Yelverton Road, Wilyabrup (ROAD RESERVE – PIN11469308)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.856 hectares of native vegetation within the area cross hatched yellow on attached Plan 3641/1.

CONDITIONS

1. Avoid, minimise etc 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. Weed control

- (a) 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*:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
 - (ii) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
 - (iii) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- (b) At least once in each 12 month period for the *term* of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

Definitions

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

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;

term means the duration of this Permit, including as amended or renewed;

weed/s means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.



Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

22 April 2010

Plan 3641/1



LEGEND

- Clearing Instrument
- Areas Approved to Clear
- Road Centrelines
- Cadastral for labellar
- Busselton 50cm Ort
- 2007



0 37.5 m

Scale 1:13387

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been
 rigorously checked and may result in geometric
 distortion or measurement inaccuracies.

K. Faulkner Date 22/4/10.

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.: 3641/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Busselton

1.3. Property details

Property: ROAD RESERVE (WILYABRUP 6280)
Local Government Area:
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.856		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 Association: 3 - Medium forest; jarrah-marri Shepherd (2007)	The application is for the clearing of 1.856ha of roadside vegetation for the purpose of upgrading Yelverton Road.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	Condition of vegetation under application was assessed through aerial photography.
Mattiske Vegetation Association: C2 - Open forest of Eucalyptus marginata subsp. marginata- Corymbia calophylla-Banksia grandis on lateritic uplands in perhumid and humid zones. Cw2 - Woodland of Eucalyptus marginata subsp. marginata- Corymbia calophylla on slopes and low woodland of Melaleuca preissiana-24 Banksia littoralis on depressions in perhumid and humid zones. Mattiske (1998)	The vegetation under application is considered to be in a good (Keighery, 1994) condition.		

3. Assessment of application against clearing principles

Comments

The proposal to clear 1.856ha of native vegetation for the purpose of upgrading existing road infrastructure may have detrimental environmental impacts. Priority flora species records are located nearby, however they are unlikely to be within the road reserve (DEC, 2010).

The vegetation under application is considered to be in a good (Keighery, 1994) condition. On both sides of the application area the vegetation contained within the road reserve has been classified as having a high conservation value (RCC, 2010). Clearing to one side of the road in this section is advised. Additionally, the application area is adjacent to Yelverton National Park and hence weed conditions will be placed on the permit to mitigate the spread of weeds into the National Park.

No threatened ecological communities have been identified in the vicinity of the project (5km radius) and the vegetation to be cleared is well represented in the local area. If clearing is conducted to one side of the road, the proposal would not have a detrimental impact on fauna.

The proposed clearing for road works may cause some short term water quality issues in terms of localised

surface water sedimentation and flooding during works. However, these issues should be minimised as road works will include roadside infrastructure to prevent water quality issues and flooding associated with roads (ie table drains and culverts).

It is considered that the proposal may impact on biodiversity at a local level (Principle a) and is not likely to be at variance to any of the remaining principles.

Methodology References:
Keighery (1994)
RCC (2010)

GIS Databases:

- CALM Managed Lands & Waters - CALM 01/06/05
- Clearing Regulations - Environmentally Sensitive Areas - 30 May 2005
- 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
- Matiske Vegetation Complexes (01/03/1998)
- Pre-European vegetation - DA 01/01
- Mean Annual Rainfall Isohytes (1975 - 2003) - DEC 02/08/05
- SAC Biodatasets 13/04/10

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

Comments

No submissions from the public have been received.

Methodology

4. Assessor's comments

Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is may be at variance to Principle (a) and is not likely to be at variance to the remaining clearing Principles.

5. References

- DEC (2010). South West Regional Advice. Department of Environment and Conservation. DEC Ref: A299096.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Matiske, 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.
- RCC (2010). Road Conservation Committee Value Mapping, Shire of Busselton. Roadside Conservation Committee February 2009.
- 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.

6. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management (now DEC)
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)
DoW	Department of Water
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)