



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4929/1

File Number: 2011/006876 -1

Duration of Permit: From 19 April 2012 to 19 April 2014

PERMIT HOLDER

Shire of Murray

LAND ON WHICH CLEARING IS TO BE DONE

Fishermans Road reserve, Coolup (PIN 1385159)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 2 native trees within the combined areas hatched yellow on attached Plan 4929/1.

CONDITIONS

Nil.

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

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

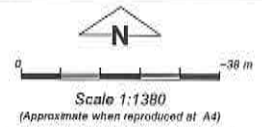
29 March 2012

Plan 4929/1



LEGEND

- | | |
|--|--|
| Clearing Instruments | Perth Metropolitan South
20cm Orthomosaic - Landgate
2009 |
| <input checked="" type="checkbox"/> Area Approved to Clear | |
| <input checked="" type="checkbox"/> Road Centrelines | |
| <input checked="" type="checkbox"/> Cadastre for labelling | |
| <input type="checkbox"/> Local Government Authorities | |



Geocentric Datum Australia 1994
 Note: The data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

[Signature] Date **29/3/12**
 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

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1. Application details

1.1. Permit application details

Permit application No.: 4929/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Murray

1.3. Property details

Property: ROAD RESERVE (COOLUP 6214)
Local Government Area: Shire of Murray
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 29 March 2012

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
<p>Beard Vegetation Association: 968 - Medium woodland; jarrah, marri & wandoo (Shepherd, 2009)</p> <p>GUILDFORD COMPLEX : A mixture of open forest to tall open forest of <i>Corymbia calophylla</i> (Marri) - <i>Eucalyptus wandoo</i> (Wandoo) - <i>Eucalyptus marginata</i> (Jarrah) and woodland of <i>Eucalyptus wandoo</i> (Wandoo) (with rare occurrences of <i>Eucalyptus lane-poolei</i> (Salmon White Gum)). Minor components include <i>Eucalyptus rudis</i> (Flooded Gum) - <i>Melaleuca raphiophylla</i> (Swamp Paperbark). (Hedde & Havel, 1980).</p>	<p>The applicant proposes to clear 2 native trees for the purpose of road widening. The vegetation is considered to be in a completely degraded (Keighery, 1994) condition.</p>	<p>Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)</p>	<p>The condition of the vegetation was assessed through aerial imagery and photographs provided by the applicant.</p>

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**
The application to clear 2 native trees in a completely degraded (Keighery, 1994) condition is for the purpose of widening Fishermans Road.

The application area falls within a palusplain and swamp. Given this, the native trees maybe growing within, or in associated with, a wetland. Although the proposed clearing may be at variance to principle (f), the removal of these trees is unlikely to impact on the functionality of the wetlands.

The application falls within the Clifton microbialite Critically endangered threatened ecological community (TEC) buffer, though the removal of 2 native trees from the road reserve will not impact on this TEC.

Given the small size of the proposed clearing, it is unlikely that that the vegetation holds a high level of biodiversity, nor is it likely to impact upon flora and fauna of conservation significance in the local area. Additionally, the proposed clearing is not likely to impact on ground water, surface water quality or cause appreciable land degradation in the local area.

The assessment of the application found that the clearing may be at variance to principle (f) and is not likely to be at variance to the remaining principles.

Methodology Keighery (1994)

GIS databases:
- Clearing Regulations - Environmentally Sensitive Areas - 30 May 2005

- 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
- SAC Biodatasets (Accessed 15 March 2012)

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

Comments

The application falls within the Murray Groundwater Rights in Water and Irrigation Act 1914 area and a licence to take ground water is required if ground water is to be use during road widening.

Methodology

GIS datasets:
 - RIWI Act, Groundwater Areas - DoW 13/07/06

4. References

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.

Shepherd, D.P. (2009) 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.

5. 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
DoIR	Department of Industry and Resources
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)