



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5203/1
Permit Holder:	Shire of Murray
Duration of Permit:	19 October 2012 – 19 October 2014

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

CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing for the purpose of road reconstruction.

2. Land on which clearing is to be done

Fishermans Road reserve (COOLUP 6214) PIN 1385159

Fishermans Road reserve (COOLUP 6214) PIN 11604537

3. Area of Clearing

The Permit Holder must not clear more than 13 native trees within the area hatched yellow on attached Plan 5203/1.

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.

5. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for the activities described in condition 1 of this Permit to the extent that the Permit Holder has the power to carry out works involving clearing for those activities under the *Local Government Act 1995* or any other written law.

Roxane Shadbolt
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

27 September 2012

Plan 5203/1



LEGEND

- Clearing Instruments**
- Areas Approved to Clear
 - Road Centrelines
 - Cadastre

Pinjarra 50cm Orthomosaic -
Landgate 2006
Cadastral for labelling



Scale 1:6000
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

R. Shadbolt Date: 27/9/12

Roxane Shadbolt

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.: 5203/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Murray

1.3. Property details

Property: ROAD RESERVE (COOLUP 6214) PIN 1385159
ROAD RESERVE (COOLUP 6214) PIN 11604537
Local Government Area: Shire of Murray
Colloquial name: Fishermans Road

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 27 September 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
Mapped Beard Vegetation Association Pinjarra 968 described as medium woodland; jarrah, marri and wandoo (Shepherd et al. 2001).	Vegetation to be cleared consists of 13 individual trees within a road reserve, predominantly <i>Corymbia calophylla</i> . The trees are within an area of degraded (Keighery 1994) condition and there is no understorey present, apart from introduced grasses.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation description and condition determined through aerial imagery (Pinjarra 50cm Orthomosaic - Landgate 2006).

3. Assessment of application against clearing principles

Comments

The application is to clear 13 individual trees along Fishermans Road reserve, Coolup, for the purpose of road reconstruction.

There are numerous records of priority and rare flora species within the local area (10km radius) however due to the vegetation only being 13 individual trees and in a degraded (Keighery 1994) condition, the clearing is not likely to impact upon any flora species of conservation significance. There are no priority ecological communities or conservation areas mapped within the local area and the closest threatened ecological community records are 3.5km and 5.5km away, unlikely to be affected by the removal of 13 individual trees in degraded (Keighery 1994) condition.

Several records of threatened and priority fauna have been made within the local area (10km radius). Most of these are bird species with an expansive home range. The clearing under application is unlikely to sever an ecological linkage as only selected trees are to be removed and other trees will remain. The trees to be removed are not mature enough to contain developed hollows and there is no understorey to provide significant habitat. Considering the above, the area under application is not likely to impact upon any fauna species of conservation significance.

There are no watercourses within the application area. The local area is subject to inundation however the removal of 13 trees is unlikely to exacerbate this, or cause appreciable land degradation.

The Beard vegetation association of the application area retains only 7 per cent of original vegetation (Government of Western Australia 2011). This is less than the threshold level (30 per cent) recommended in the National Objectives Targets for Biodiversity Conservation, below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia 2001). However, given that the application is for 13 trees within an area of degraded (Keighery 1994) condition, it is not considered for the proposed clearing to be at variance to Principle (e).

The assessment identified that the application is not likely to be at variance to any of the clearing principles.

- Methodology** References:
- Commonwealth of Australia (2001)
 - Keighery (1994)
 - Government of Western Australia (2011)
- GIS Datasets:
- Hydrography, linear DOW
 - Rainfall, Mean Annual
 - Topographic Contours, Statewide
 - SAC Bio Datasets (Accessed 10/09/2012)

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

Comments

The application area is within the Murray Groundwater Area, as proclaimed under the Rights in Water and Irrigation Act 1914 (RIWI). The Department of Water has advised that no RIWI licence is required as there will be no abstraction of groundwater or disturbance of bed or banks (DoW 2012).

The area under application is zoned as road reserve (rural) under the Town Planning Scheme Zones.

No public submissions have been received.

- Methodology** References:
- DoW (2012)
- GIS Datasets:
- Town Planning Scheme Zones

4. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 10/09/2012.
- DoW (2012) Advice regarding CPS 5203/1. Department of Water (DEC Ref: A542871).
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, 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.
- Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.
- 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)