



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3406 / 1

File Number: DEC13581

Duration of Permit: From 03 January 2010 to 03 January 2012

PERMIT HOLDER

Arthur William Jarvis

Anita Joyce Jarvis

LAND ON WHICH CLEARING IS TO BE DONE

Lot 2 on Diagram 51805 (MUCKENBURRA 6503)

AUTHORISED ACTIVITY

Clearing of up to 12 native trees within the area hatched yellow on attached Plan 3406/1.

CONDITIONS

Nil.

A handwritten signature in black ink, appearing to read "K Faulkner", with a long horizontal stroke extending to the right.

Kelly Faulkner

MANAGER

NATIVE VEGETATION CONSERVATION BRANCH

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

3 December 2009

Plan 3406/1



LEGEND

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

Gingin 50cm Orthomosaic -
Landgate 2006



0 62 m

Scale 1:2161

(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.

Date: 2/1/07
Kelly 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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* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 3406/1
 Permit type: Area Permit

1.2. Proponent details

Proponent's name: Arthur and Anita Jarvis

1.3. Property details

Property: LOT 2 ON DIAGRAM 51805 (MUCKENBURRA 6503)
 LOT 2 ON DIAGRAM 51805 (MUCKENBURRA 6503)

Local Government Area:

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
	12	Mechanical Removal	Hazard reduction or fire control

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 1014: Mosaic: Low woodland; banksia / Shrublands; tea-tree thickets Shepherd (2007).	The proposal is to clear small to medium sized trees of Eucalyptus sp growing as a cluster and a fallen log of a swamp paperbark tree (Melaleuca sp). The trees under application are situated within parkland cleared which has introduced pasture and weedy understorey vegetation.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition was determined through a site inspection conducted on 23 November 2009 (DEC 2009).
Hedde Vegetation Complex: Moore River (Hedde et al. 1980).			

3. Assessment of application against clearing principles

Comments

The proposal is to clear small to medium sized trees of Eucalyptus sp growing as a cluster and a fallen log of a swamp paperbark tree (Melaleuca sp). The trees under application are situated within parkland cleared which has introduced pasture and weedy understorey vegetation. The clearing is proposed for general farm maintenance. (DEC 2009)

There are several records of conservation significant fauna within the local area (10 kilometre radius). The nearest record is *Macropus irma* (Western Brush Wallaby) which is situated approximately 8.1 kilometres south of the area under application. There are several records of conservation significant flora within the local area (10 kilometre radius). The closest known record is *Drakaea elastica* (rare) occurring approximately 4.8 kilometres south of the area under application. A P3 priority ecological community is known from a location 4.2 kilometres south of the area under application. There are several conservation areas, with the Gngangara-Moore River State Forest being the closest, situated 2.8 kilometres to south of the area under application.

There are several mapped EPP wetlands within the local area (10 kilometre radius). The nearest of them are two un-named EPP wetlands each situated approximately 150 metres east and west of the area under application. A minor perennial watercourse and a flood limit area are situated near the area under application.

There is approximately 53 percent of remnant vegetation remaining within the Shire of Gingin with approximately 53.2 percent Beard vegetation association 1014 remaining within Swan Coastal Plain Bioregion (Shepherd 2007). The Moore River vegetation complex is represented by approximately 29.7 percent (Hedde et al. 1980). The Environmental Protection Authority (EPA) supports a 30 percent threshold level of pre-European vegetation as recommended in the National Objectives Targets for Biodiversity Conservation below which species loss appears to accelerate exponentially at an ecosystem level (EPA 2000).

As the scale of clearing is small and limited to a clump of 12 small to medium sized trees with no understorey vegetation, the proposal is not likely to cause significant environmental impacts and therefore is not likely to be at variance to the Clearing Principles.

Methodology DEC (2009)
EPA (2000)
Heddle et al. (1980)
Shepherd (2007)

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

Comments

In a submission, Ellen Brockman Integrated Catchment Group Inc. objects to the removal of any native vegetation in this area, stating that there are activities associated with commercial enterprise on the site within a few hundred metres of the Gingin Brook and associated wetland, so any vegetation removal will cause gradual deterioration of the native riparian area and reduce the effectiveness of the buffer to filter excess nutrients entering the brook (Ellen Brockman Integrated Catchment Group Inc. 2009).

Methodology Ellen Brockman Integrated Catchment Group Inc. (2009).

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 not likely to be at variance to any of the Clearing Principles.

5. References

- DEC (2009) Site Inspection Report for Clearing Permit Application CPS 3406/1, Lot 2 Gingin Brook Road, Muckenburra. Site inspection undertaken 23/11/2009. Department of Environment and Conservation, Western Australia (DEC TRIM Ref: DOC 108353).
- Ellen Brockman Integrated Catchment Group Inc. (2009) Direct interest submission (DEC TRIM Ref: DOC 108704).
- EPA (2000) Environmental protection of native vegetation in Western Australia. Clearing of native vegetation, with particular reference to the agricultural area. Position Statement No. 2. December 2000. Environmental Protection Authority, Western Australia.
- Heddle, 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. (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.

6. Glossary

Term	Meaning
DEC	Department of Environment and Conservation
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)