



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4623/1
File Number: 2011/009020-1
Duration of Permit: From 12 January 2012 to 12 January 2014

PERMIT HOLDER

Paul Craig Starkie and Alana Jayne Shedley

LAND ON WHICH CLEARING IS TO BE DONE

Lot 9344 on Deposited Plan 203168, Middlesex

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.8 hectares of native vegetation within the area hatched yellow on attached Plan 4623/1.

CONDITIONS

Nil.

A handwritten signature in black ink, appearing to read "M Warnock", written over a horizontal line.

M Warnock
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

12 January 2012

Plan 4623/1



LEGEND

- | | |
|---|--|
| Cleaning instruments | Cadastre for labelling |
| <ul style="list-style-type: none">  Areas Approved to Clear  Cadastre | <p>Manjimup 50cm Orthomosaic - Landgate 2007</p> |



Scale 1:6621
(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.

M. Wernock Date *12/1/12*

M. Wernock
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. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 4623/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Paul Craig Starkie

1.3. Property details

Property: LOT 9344 ON PLAN 203168 (Lot No. 9344 PIANO GULLY MIDDLESEX 6258)
Local Government Area: Shire of Manjimup

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 12 January 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
The vegetation under application is mapped as: Beard vegetation association: 1144: Tall forest; karri & marri (<i>Corymbia calophylla</i>) (Shepherd 2009) and Mattiske vegetation complex: Pemberton (PM1): Tall open forest of <i>Eucalyptus diversicolor</i> with mixtures of <i>Corymbia calophylla</i> on valley slopes and low forest of <i>Agonis juniperina</i> - <i>Banksia seminuda</i> - <i>Callistachys lanceolata</i> on valley floors in the perhumid zone. (Mattiske and Havel 1998)	The application is for the proposed clearing of up to 1.8ha within Lot 9344 on DP 203168, Middlesex for the purpose of dam construction. The vegetation proposed to be cleared consists of karri, tea tree, sedges and an understorey infested with the blackberry weed, all within a minor, perennial watercourse. The vegetation has been assessed as being in a good (Keighery 1994) condition (DEC, 2011).	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The vegetation condition and description was determined from aerial imagery and DEC site inspection (DEC, 2011).

3. Assessment of application against clearing principles

Comments

The application to clear up to 1.8 hectare of native vegetation for the purpose of dam construction is unlikely to have any significant environmental impacts. The vegetation type of the area under application is well represented in the Warren Bioregion (80% remaining) and Shire of Manjimup (84% remaining) (Shepherd, 2009). The area under application is mostly infested with blackberry weed and is surrounded by plantation tree species (DEC, 2011)

Several priority listed flora species occur in the local area (10km radius), either within the same vegetation type or soil type of the area under application. Two threatened flora species occurs within 7km of the area under application within the same soil type, but different vegetation type. Each of these flora species are sufficiently

distributed over the Warren Bioregion, (Western Australian Herbarium, 2011). The area under application is unlikely to support these species given the understorey is dominated with a thick infestation of blackberry weed. No Threatened Ecological Communities are recorded within the local area.

Several threatened avian and mammalian species occur in the local area (10km radius), however the area under application is relatively small and there is well represented surrounding vegetation to act as fauna habitat. Therefore, the area under application is not considered significant habitat for native fauna.

The proposed clearing is within a minor perennial creekbed and hence is at variance to principle (f). The natural flow and environmental significance of this watercourse has been modified by surrounding agriculture clearing and weed infestation, and the existence of dams downstream from the area under application. Given the small amount of vegetation proposed to be cleared, that some of this vegetation includes blackberry weed and that the creek has been modified, the clearing is not likely to have a significant environmental impact.

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

Methodology References:

DEC (2011)
Keighery (1994)
Shepherd (2009)

GIS databases:

- Clearing Regulations - Environmentally Sensitive Areas
- Groundwater Salinity, statewide
- Hydrography, linear
- Matiske Vegetation Complexes (01/03/1998)
- Pre-European vegetation
- SAC Biodatasets (Accessed 13 October 2011)

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

Comments

The area under application falls with the Country Areas Water Supply Act 1947 (CAWs Act), Zone C of the Warren River Water Reserve Catchment and as such approval from Department of Water (DoW) is required. DoW advise that in 1985 they granted a licence to allow for the clearing of 25ha, and that to date only 5ha has been cleared. Hence a sufficient allocation of uncompensated native vegetation remains to allow for the proposed clearing and dam construction to occur (DoW, 2011a).

The application area also falls within the Warren River and Tributaries, Rights in Water and Irrigation Act 1914 (RIWI Act) area. A Licence to Take Water under Section 5C of this Act is also required from DoW.

An application for a CAWS Act licence has been assessed and is to be granted shortly. An application for a RIWI Act licence is being assessed and approval is imminent (DoW, 2011b).

Methodology

Reference:

- DoW (2011a)
- DoW (2011b)

GIS datasets:

- CAWS Act Clearing control catchments
- RIWI Act, Surfacewater areas, Irrigation Districts

4. References

- DEC (2011) Site Inspection Report for Clearing Permit Application CPS 4623/1, Lot 9344 on Plan 203168, Middlesex. Site inspection undertaken September 2011. Department of Environment and Conservation, Western Australia (DEC Ref. A442698).
- DoW (2011a) Department of Water, advised received for clearing permit application CPS 4623/1 on 17 October 2011 concerning clearing on Lot 9344 on DP 203168 within Country Areas Water Supply Act 1947 area (DEC Ref: A442193).
- DoW (2011b) Department of Water, advised received for clearing permit application CPS 4623/1 on 26 October 2011 concerning progress of Country Areas Water Supply Act and Rights in Water and Irrigation Act licences (DEC Ref: A444783)
- 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)