



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3951/1

File Number: 2010/006802-1

Duration of Permit: From 21 November 2010 to 21 November 2012

PERMIT HOLDER

Brian Wentworth Seale

LAND ON WHICH CLEARING IS TO BE DONE

Lot 19 on Plan 7880 (BULLSBROOK 6084)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.28 hectares of native vegetation within the area hatched yellow on attached Plan 3951/1.

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*

21 October 2010

Plan 3951/1



LEGEND

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

Perth Metropolitan Area
North 20cm Orthomosaic -
Landgate 2007




0 ————— 50 m

Scale 1:1697

(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 24/10/10

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

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1. Application details

1.1. Permit application details

Permit application No.: 3951/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Brian Wentworth Seale

1.3. Property details

Property: LOT 19 ON PLAN 7880 (Lot No. 19 WARBROOK BULLSBROOK 6084)
Local Government Area: City of Swan
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.28		Mechanical Removal	Building or Structure

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 vegetation association 949 is described as low woodland; Banksia (Shepherd, 2009).	The area under application is very open, consisting predominantly of sedges, <i>Regelia</i> sp. and weeds. The project area also contained <i>Xanthorrhoea pressii</i> , <i>Burchardia</i> sp., <i>Eucalyptus todtiana</i> , <i>Jacksonia furellata</i> , <i>Melaleuca</i> sp., <i>Patersonia occidentalis</i> and <i>Dasypogon bromeliifolius</i> . The area proposed for the access track contains a couple of Marri trees.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation under application was determined via a site inspection conducted by Department of Environment and Conservation (DEC, 2010) and through digital imagery (Swan Coastal Plain North 20cm Orthomosaic - Landgate 2009).

3. Assessment of application against clearing principles

Comments

The proposal is to clear up to 0.28 hectares of native vegetation for the purpose of constructing a house and drive way.

Within 4.5km of application area there are six records of the Priority Ecological Community (PEC) - Northern *Banksia attenuata* - *Banksia menziesii* woodlands were found. These PECs were recorded on the same vegetation type as the application area however the vegetation under application is not consistent with the description of this PEC.

Recorded within 3km of the area under application were Declared Rare Flora (DRF) Species; *Grevillea curviloba*, *Caladenia huegeli* and *Trithuria occidentalis*. These DRF species were recorded on the same vegetation and soil type, however it is not likely that this small area of degraded vegetation will be necessary for the continued existence of these species.

The closest recorded fauna species of conservation significance were; *Pseudemydura umbrina* (Western Swam Tortoise (recorded within Twin Swamps Nature Reserve, 500 meters east)), *Dasyurus geoffroyi* (Chuditch), *Isoodon obesulus fusciventer* (Quenda) and *Neelaps calonotos* (Black Striped Snake). A kangaroo and small diggings were observed during the site inspection (DEC, 2010). No other evidence (skats, tracks or habitat trees) of fauna was observed within the project area.

The area under application falls within Ellen Brook Floodplain which is a Multiple Use wetland, however, Multiple Use wetlands are categorised as having few important ecological attributes and functions remaining (Water and Rivers Commission, 2001).

The assessment identified that the proposed clearing is not likely to significantly impact any biodiversity, land degradation, or environmental water values within the local or regional context.

Given the relatively small scale of the proposed clearing and consequently, limited habitat and biodiversity values of the vegetation, the proposed clearing is not likely to be at variance to any of clearing principles.

Methodology References:
DEC (2010)
Water and Rivers Commission (2001)

GIS Database:
- Pre European Vegetation - DA 01/01
- SAC Biodatasets - accessed 23 September 2010

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

Comments

The property under application falls within the Environmental Protection (Western Swamp Tortoise Habitat) Policy 2000 (EPP) which has been declared to be an environmentally sensitive area. The Western Swamp Tortoise Habitat EPP has the purpose of protecting the Western Swamp Tortoise, and lists 'the clearing of vegetation' as an activity 'which might degrade the western swam tortoise habitat' (EPA, 2006). The Office of the Environmental Protection Authority (EPA) were contacted in regards to this application and advised that as the proposed clearing is not directly adjacent to Twin Swamps Nature Reserve nor is it large scale this application does not need to be referred to the EPA.

The applicant has applied for Development Approval from the City of Swan and anticipates that approval is a week or two away from being finalized.

The clearing under application is within an area (Swan River and Tributaries) covered by the Rights in Water and Irrigation Act (1914). The Department of Water have advised that they no comment in regards to this application (DoW, 2010).

Methodology References:
DoW (2010)
EPA (2006)

GIS Database:
- RIWI Act, Groundwater Areas - DoW

4. References

DEC (2010) Site Inspection Report for Clearing Permit Application CPS 3951/1, Lot 19 on Plan 7880, Bullsbrook. Site inspection undertaken 11/10/10. Department of Environment and Conservation, Western Australia (DEC Ref: A339659).

DoW (2010) Department of Water Advice for Clearing Permit Application CPS 3951/1. Department of Water, Swan - Avon Region, Western Australia (DEC Ref: A338975).

EPA (2006) Guidance for the Assessment of Environmental Factors (in accordance with the Environmental Protection Act 1986). Protection of the Western Swamp Tortoise Habitat, Upper Swan/ Bullsbrook. Environmental Protection Authority, Western Australian.

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.

Water and Rivers Commission (2001) Position Statement: Wetlands, Water and Rivers Commission, 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)