



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4656/1
File Number: 2011/009495-1
Duration of Permit: From 6 July 2012 to 6 July 2014

PERMIT HOLDER

Gwendolyn Wen Li

LAND ON WHICH CLEARING IS TO BE DONE

Lot 6 on Plan 21387 (CROWEA 6258)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.9 hectares of native vegetation within the area cross-hatched yellow on attached Plan 4656/1.

CONDITIONS

Dieback and weed control

When undertaking any clearing or other activity authorised under this Permit, the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds* and *dieback*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) shall only move soils in *dry conditions*;
- (c) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (d) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

DEFINITIONS

The following meanings are given to terms used in this Permit:

dieback means the effect of *Phytophthora* species on native vegetation;

dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

fill means material used to increase the ground level, or fill a hollow;

mulch means the use of organic matter, wood chips or rocks to slow the movement of water across the soil surface and to reduce evaporation;

weeds means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.

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

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

14 June 2012

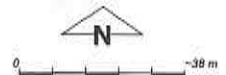
Plan 4656/1



LEGEND

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

Northcliffe 50cm Orthomosaic
- Landgate 2007



Scale 1:1645
(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 14/6/12
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.: 4656/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: Gwendolyn Wen Li

1.3. Property details

Property: LOT 6 ON PLAN 21387 (Lot No. 6 SPARSA CROWEA 6258)

Local Government Area: Shire of Manjimup

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 14 June 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
Two Mapped Beard vegetation associations occur within the 0.9ha area under application: Western half: Association 3 is described as Medium forest; jarrah-marri (Shepherd, 2009) Eastern half: Association 23 is described as Low woodland; jarrah-banksia (Shepherd, 2009). Mattiske vegetation complex: Angove (A) is described as an Open forest of <i>Eucalyptus marginata</i> subsp. <i>marginata</i> - <i>Banksia ilicifolia</i> - <i>Nuytsia floribunda</i> with some <i>Eucalyptus diversicolor</i> on gently sloping sandy terrain in hyperhumid and perhumid zones (Mattiske and Havel, 1998).	The vegetation proposed to be cleared consists of an open heath of <i>Homalospermum firmum</i> , <i>Beaufortia sparsa</i> , <i>Taxandria juniperina</i> . No middle storey present. Groundcover consists of sedge species including <i>Anarthria</i> spp., <i>Lepidosperma</i> spp., <i>Evandra</i> spp. and <i>Meeboldina</i> spp (DEC 2011). Some of the vegetation under application shows previous signs of disturbance from fire and vehicle tracks, these areas are in a very good condition. The remainder of the application area is in an excellent condition.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994) to Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The vegetation condition and description was determined from a Department of Environment and Conservation site visit (DEC 2011) and aerial imagery (Northcliffe 50cm Orthomosaic ' Landgate 2007.

3. Assessment of application against clearing principles

Comments

The application proposes to clear up to 0.9 hectares of native vegetation within Lot 6 on Plan 21387, Crowea for the purpose of constructing a dam. The vegetation is considered to be in very good to excellent (Keighery, 1994) condition and has been described as an open heath of *Homalospermum firmum*, *Beaufortia sparsa*, *Taxandria juniperina* with a non-existent middle storey and a groundcover consisting of a variety of sedge species (DEC, 2011).

There is minor, perennial watercourse that runs through the application area. The vegetation within the application area is growing in association with this watercourse and is therefore at variance to principle (f).

Within the local area (10km radius) there are 12 known fauna species of conservation significance. The closest recorded species are the Quokka (*Setonix brachyurus*), (Threatened under the *Wildlife Conservation Act 1950* (WC Act) and Vulnerable under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act)), which was recorded 5km north east of application area (DEC 2007-) and the Forest Red-tailed black

cockatoo (*Calyptorhynchus banksii subsp. naso*) (Threatened under the WC Act 1950 and Vulnerable under the EPBC Act 1999), which was recorded 5km of the application area. Baudin's black cockatoo (*Calyptorhynchus baudinii*) (Endangered, WC Act; Vulnerable, EPBC Act) is also recorded within the local area (10km radius). The vegetation type within the application area is not suitable for black cockatoos and given the high percentage (approximately 50 per cent) of native vegetation in close proximity, including Leeuwin-Naturaliste National Park located less than 2km to the west, the vegetation does not comprise of significant habitat for indigenous fauna.

The assessment determined that the proposed clearing is not likely to significantly impact any biodiversity, habitat or environmental values or cause appreciable land degradation within the local or regional context. Given the above, the proposal is at variance to principle (f) and is not likely to be at variance to the remaining clearing principles.

Methodology References
DEC (2007-)
DEC (2011)
Keighery (1994)

GIS Databases:
- Northcliffe 50cm Orthomosaic - Landgate 2007

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

Comments

The application proposes to clear up to 0.9 hectares of native vegetation within Lot 6 on Plan 21387, Crowea for the purpose of constructing a dam.

The Shire of Manjimup (2011) has advised that the property is already part of a subdivision and as a result is now zoned as a Rural Residential area. For Rural residential properties, planning approval is required to be obtained from the Shire prior to any native vegetation clearing. This approval was granted 1 June 2012 subject to conditions (Shire of Manjimup, 2012). It is noted Condition (b) on the Planning Approval states approval from the Department of Water (DoW) is required prior to the works being commenced. The Department of Water advised that no approvals are needed to develop a surface water supply on the property (DoW, 2011).

The application area is located within the Warren River and Tributaries Surface Water Area which is an area proclaimed under the *Rights in Water and Irrigation Act 1914* (RIWI Act).

Methodology References:
DoW (2011)
Shire of Manjimup (2011, 2012)

GIS Databases:
- RIWI Surface Water Areas
- Town Planning Scheme Zones

4. References

- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 2/11/2011.
- DEC (2011) Site Inspection Report for Clearing Permit Application CPS 4656/1 Lot 6 Sparsa Close, Crowea. Site inspection undertaken 10/11/2011. Department of Environment and Conservation, Western Australia (DEC REF A449501).
- DoW (2011) Direct Interest Submission for clearing permit application CPS4636/1. Received 15/11/2011. Department of Water, Warren- Blackwood District,, Western Australia (DEC REF A449697).
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment 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.
- Shire of Manjimup (2011) Application to clear native vegetation - Lot 6 Sparsa close, Crowea. DEC ref: A445987
- Shire of Manjimup (2012) Planning Approval for Lot 6 Sparsa Close, Crowea, Shire of Manjimup (DEC REF A513055).

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)