



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5582/1

File Number: 2013/002200-1

Duration of Permit: From 20 July 2013 to 20 July 2015

PERMIT HOLDER

Fobbing Hall Pty Ltd

Beauchamp Nominees Pty Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Lot 42 on Diagram 45174 (Hammond Park)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.443 hectares of native vegetation within the area cross hatched yellow on attached Plan 5582/1.

CONDITIONS

Nil.

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

M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

20 June 2013

Plan 5582/1



LEGEND

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

Perth Metropolitan Area
Central 15cm Orthomosaic -
Landgate 2012



0 ————— 100 m

Scale 1:3701
(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 Warnock Date *20/6/13*
M Warnock

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.: 5582/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Fobbing Hall Pty Ltd and Beauchamp Nominees Pty Ltd

1.3. Property details

Property: LOT 42 ON DIAGRAM 45174 (Lot No. 42 FRANKLAND HAMMOND PARK 6164)
Local Government Area: City of Cockburn
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 20 June 2013

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 1001: Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina (Shepherd et al, 2001)	The application is to clear 0.443 hectares of native vegetation for the purpose of developing a bushfire protection zone.	Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation under application was obtained from a site inspection undertaken by the Department of Environment and Conservation (DEC, 2013) on the 31 May, 2013.
Hedde vegetation complex Bassendean Complex ? Central/And South: Woodland of Eucalyptus marginata (Jarrah) - Corymbia calophylla (Marri) with well defined second storey of Allocasuarina fraseriana (Sheoak) and Banksia grandis (Bull Banksia) (Hedde et al, 1980)	The vegetation under application consists predominately of Hibbertia sp and Lomandra sp with scattered juvenile Kunzea and Xanthorrhoea trees in the western and central sections of the clearing area. Some Banksia and Allocasuarina trees were observed within the eastern section of the clearing area (DEC, 2013).	To Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	
	The vegetation under application is considered to be in degraded to very good (Keighery, 1994) condition (DEC, 2013).		

3. Assessment of application against clearing principles

Comments

The application is to clear 0.443 hectares of native vegetation for the purpose of developing a fire protection zone. The clearing is required to comply with the sub-division approval conditionally approved over the adjoining property (Lot 43), where approximately 4.1 hectares of native vegetation has been cleared.

The clearing consists of two areas, one being eight metres wide over a linear distance approximately 170 metres and the other 20 metres wide over a linear distance approximately 140 metres. The vegetation consists predominately of Hibbertia and Lomandra species with scattered Xanthorrhoea and Kunzea. Some Banksia and Allocasuarina trees were observed within the eastern section of the proposed clearing area. The

vegetation under application is considered to be in a degraded to very good (Keighery, 1994) condition (DEC, 2013).

A total of six priority flora and three rare flora species have been recorded within five kilometres of the applied area. Given the size of the clearing along with its linear shape, the clearing as proposed is not likely to have significant impact on priority flora mapped in the local area (5 kilometre radius). Of the recorded rare flora two species (*Drakaea* and *Caladenia*) have been mapped within the same soil and vegetation complexes as the application area. *Drakaea* sp. grows in deep sandy soil in *Banksia* woodland whilst *Caladenia* sp. grows within deep sandy soil, in mixed woodlands of Jarrah and *Banksia* (Brown et al, 1998). The vegetation under application is not Jarrah or *Banksia* woodland, therefore it is not likely to comprise of suitable habitat for either rare flora species.

There are no threatened ecological communities (TEC) within five kilometres of the applied area and the vegetation under application is not considered to be representative of a TEC.

Six fauna species of conservation significance have been recorded within 5 kilometres of the applied area. Considering the size and linear shape of the proposed clearing, the clearing as proposed is not likely to impact on significant habitat for fauna.

The vegetation within the applied area is represented by Beard Vegetation Association 1001 and Heddle Vegetation Complex, Bassendean Complex Central and South which have 25 and 28 percent of their pre-European vegetation remaining (Government of Western Australia 2013, Heddle et al 1980). The Environmental Protection Authority (EPA) recognises the Perth Metropolitan Region as a constrained area, which provides for the reduction of vegetation complexes to a minimum of 10 per cent of their pre-European extent (EPA, 2006). The mapped vegetation associations/complexes are above the 10 percent level. Additionally the vegetation under application is not within an extensively cleared landscape with approximately 35 percent of native vegetation remaining within five kilometres of the applied area.

An unnamed mapped wetland has been recorded approximately 50 metres from the area under application. A recent site inspection of the area under application identified that the vegetation within the applied area is not growing in association with the wetland (DEC, 2013). Given the small size (0.0443 hectares) and linear nature of the proposed clearing area, it is not likely the clearing proposed will have an impact on this wetland.

The Harry Waring Marsupial Reserve occurs approximately 20 metres west of the area under application, and represents Bushforever site 392. The reserve and the applied area are separated by Frankland Avenue road, the reserve is also fenced. Considering this, the small size (0.0443 hectares) of the proposed clearing and its linear shape, the clearing is not likely to have an impact on this reserve.

The area proposed to be cleared is unlikely to contain a high level of biodiversity, significant habitat for fauna, nor is the clearing likely to cause or exacerbate land degradation, flooding or impact on water quality.

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

Methodology

References

- Brown et al (1998)
- DEC (2013)
- EPA (2006)
- Government of Western Australia (2013)
- Heddle et al (1980)
- Keighery (1994)

GIS Databases:

- Bush Forever
- DEC Tenure
- Geomorphic Wetlands (Mgt Categories), Swan Coastal plain
- Hydrogeology, statewide
- Pre-European vegetation
- SAC Biodatasets accessed May 2013

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

Comments

The adjacent Lot (43) has been granted subdivision approval. Condition 29 of the approval requires the applicant to construct a fire protection zone. The current application is for the applicant to comply with condition 29 of the subdivision approval.

A recent site inspection undertaken by DEC identified a small (approximately 0.04 hectares) section of the western end of the proposed clearing area to have been cleared prior to a clearing permit being granted.

Methodology

4. References

- Brown A., Thomson-Dans C. and Marchant N.(1998). Western Australia's Threatened Flora, Department of Conservation and Land Management, Western Australia.
- DEC (2013) Site Inspection Report for Clearing Permit Application CPS 5582/1, Lot 42 Frankland Ave, Hammond Park. Site inspection undertaken 31 May 2013. Department of Environment and Conservation, Western Australia (TRIM Ref. DOC:A638859).
- EPA (2006) Guidance for the Assessment of Environmental Factors - Level of Assessment for Proposals Affecting Natural Areas Within the System 6 Region and Swan Coastal Plain Portion of the System 1 Region. Guidance Statement No 10. Environmental Protection Authority, Western Australia.
- Government of Western Australia. (2013). 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, Perth.
- Hedde, 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., 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)