



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5607/1
File Number: 2011/006816-1
Duration of Permit: From 5 July 2013 to 5 July 2015

PERMIT HOLDER

City of Busselton

LAND ON WHICH CLEARING IS TO BE DONE

Lot 73 on Deposited Plan 49894, Busselton

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.0072 hectares of native vegetation within the area hatched yellow on attached Plan 5607/1.

CONDITIONS

Nil.

A handwritten signature in cursive script, 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*

13 June 2013

Plan 5607/1



LEGEND

- Road Centrelines
- Local Government Authorities
- Cadastre for labelling**
Busselton Townsite 20cm
Orthomosaic - Landgate
- Clearing Instruments
Areas Approved to Clear



Scale 1:1771
(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 13/6/13

M Warnock
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.



* 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.: 5607/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Busselton

1.3. Property details

Property: LOT 73 ON PLAN 49894 (House No. 16 PEEL BUSSELTON 6280)
Local Government Area: City of Busselton

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.007		Mechanical Removal	Recreation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 13 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
Beard Vegetation Association - 1000 - Mosaic: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree (<i>Melaleuca</i> spp.) (Shepherd et al, 2001)	The application is to clear 0.0072ha of native vegetation, comprised of native and exotic grasses and reeds, for the purpose of constructing a 1.2 metre wide by 60 metre long limestone trail.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition was obtained via advice from the City of Busselton (CoB, 2013)
Mattiske Vegetation Complex: Qw (Quindalup) - Tall shrubland of <i>Acacia saligna</i> - <i>Agonis flexuosa</i> and open heath on depressions amongst recent dunes in the subhumid zone. (Mattiske and Havel, 1998)	The vegetation under application is a mix of native reeds and native and exotic grasses including <i>Juncus pauciflorus</i> , <i>Centella</i> sp., buffalo and kikuyu grass. (CoB, 2013).		

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.0072 hectares of native vegetation for the purpose of constructing a 60 metre long by 1.2 metre wide limestone trail and is unlikely to have any significant environmental impacts. The vegetation is considered to be in a degraded (Keighery, 1994) condition and consists of native and exotic grasses and reeds (CoB, 2013).

There are no rare or priority flora species or threatened ecological communities in the vicinity of the project. The vegetation to be cleared, being a dense mass of grass, is not considered to be an area of high biodiversity.

A wetland occurs within the application area and the vegetation consists of wetland dependent vegetation (Cob, 2013). However, given the small size of the proposed clearing (0.0072 ha) any impacts to the wetland are considered to be minor.

Given the small amount of clearing and the local area (10 km radius) is relatively well vegetated, it is unlikely for the proposed clearing to contain significant fauna habitat, impact on nearby conservation areas, cause or exacerbate land degradation or flooding or impact on water quality.

Therefore, the proposed clearing is at variance to principle (f), not at variance to Principles (e), (d), (g), (i) and (j) and not likely to be at variance to the remaining clearing Principles.

Methodology References:

CoB (2013)
Keighery (1994)

GIS Database:

DEC Tenure
SAC Biodatasets - accessed June 2013
Mattiske Vegetation
Pre European Vegetation
Clearing Regulations, Environmentally Sensitive Areas
Hydrography linear
Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain
RIWI Act, Groundwater Areas
Town Planning Scheme Zones

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

Comments

Lot 73 is zoned Public Purposes under the Local Town Planning Scheme.

No submissions from the public have been received.

Methodology

4. References

- CoB (2013), City of Busselton, site inspection advice (DEC Ref: A37518)
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., 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)