



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3980/1

File Number: 2010/007500-1

Duration of Permit: From 4 December 2010 to 4 December 2012

PERMIT HOLDER

Shire of Busselton

LAND ON WHICH CLEARING IS TO BE DONE

Lot 70 on Plan 222226, Busselton 6280

Lot 71 on Plan 222226, Busselton 6280

Lot 72 on Plan 222226, Busselton 6280

Frederick Street Road Reserve, Busselton 6280

West Street Road Reserve, Busselton 6280

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.39 hectares of native vegetation within the area cross hatched yellow on attached Plan 3980/1.

CONDITIONS

1. Purpose for which clearing may be done

The Permit Holder shall only clear for the purpose of re-profiling of existing drainage.

2. Weed control

(a) 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*:

(i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;

(ii) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and

(iii) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

(b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

DEFINITIONS

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

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; and

weed/s 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 cursive script, appearing to read "M. G. Warnock", written over a horizontal line.

M. G. Warnock

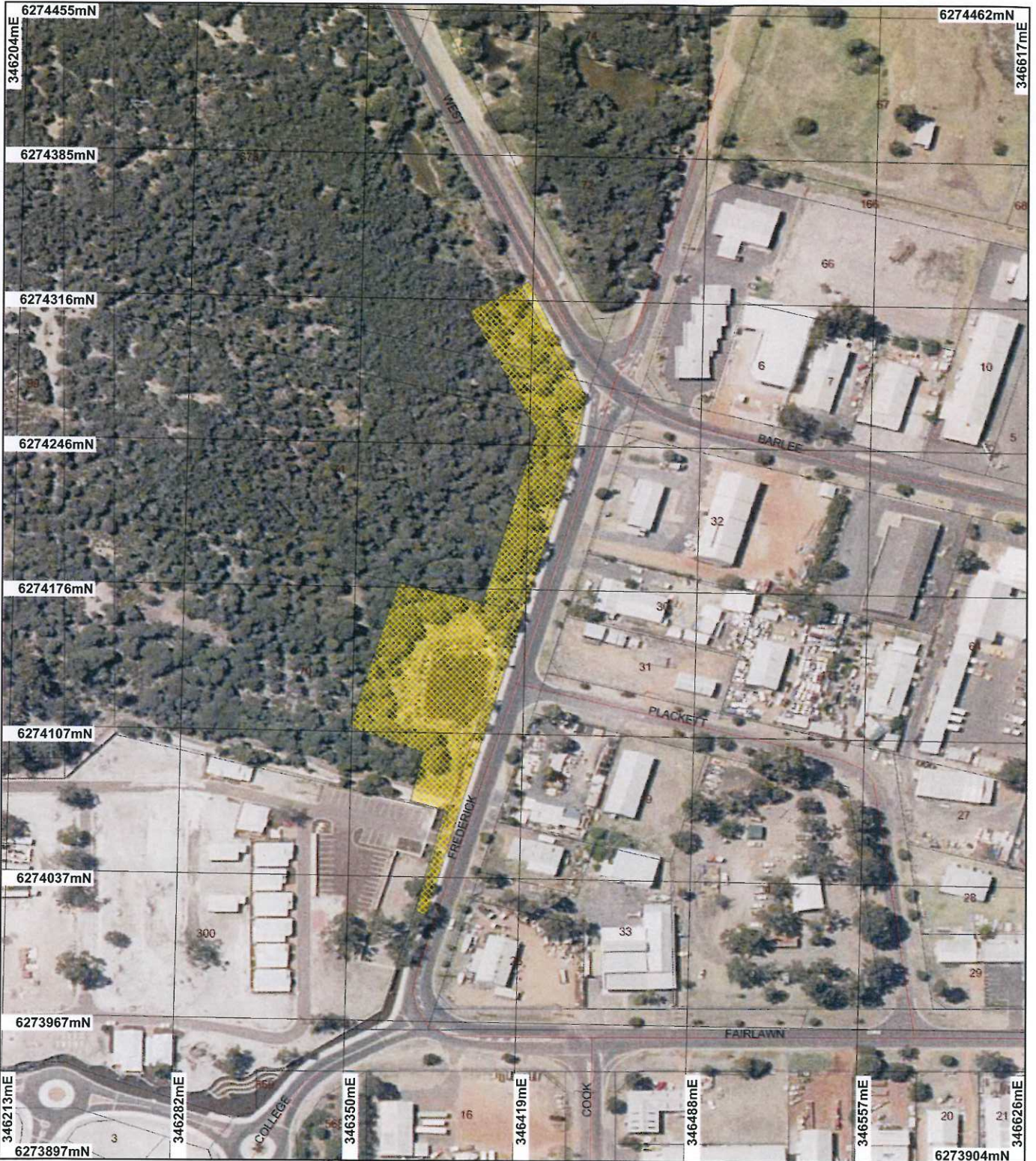
A/ MANAGER

NATIVE VEGETATION CONSERVATION BRANCH

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

4 November 2010

Plan 3980/1



LEGEND

<p> Road Centrelines</p> <p>Clearing Instruments</p> <ul style="list-style-type: none"> Areas Applied to Clear Areas Subject to Conditions Areas Approved to Clear 	<p>Busselton 50cm Orthomosaic - Landgate 2007</p> <p>Cadastre for labelling</p> <ul style="list-style-type: none"> Freehold Crown Reserve State Forest / Timber Reserve (cont) 	<ul style="list-style-type: none"> Marine Park Crown Lease Lease / Reserve Lease on State Forest / Timber Reserve Public Roads Unallocated Crown Land (cont) 	<ul style="list-style-type: none"> Water
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Scale 1:2449
(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 4/11/10
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.

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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.: 3980/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Busselton

1.3. Property details

Property: LOT 72 ON PLAN 222226 (Lot No. 72 BARLEE BUSSELTON 6280)
ROAD RESERVE (BUSSELTON 6280)
LOT 71 ON PLAN 222226 (Lot No. 71 FREDERICK BUSSELTON 6280)
LOT 70 ON PLAN 222226 (Lot No. 70 FREDERICK BUSSELTON 6280)
ROAD RESERVE (BUSSELTON 6280)

Local Government Area:

Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 04 November 2010

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 (1980) vegetation association 676 is described as Succulent steppe; samphire	The proposed clearing of 0.39ha within a 0.8ha area for the purpose of drainage re-profiling within an existing drain.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition was established through aerial photography and site photos provided by the City of Busselton (2010).
Mapped Beard (1980) vegetation association 1000 is described as Mosaic: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree (Melaleuca spp.)	The vegetation under application consists of Melaleuca spp, living and dead over grassy weeds and Arum lily in a degraded condition.		
Mattiske Vegetation Complex: Qwy (Shepherd 2009)	no info		

3. Assessment of application against clearing principles

Comments

The proposed clearing of 0.39ha within a 0.8ha area is for the purpose of drainage re-profiling within an existing drain.

The vegetation under application consists of Melaleuca spp over grassy weeds and Arum lily in a degraded (Keighery 1994) condition. Given the degraded (Keighery 1994) condition and small size, it is not considered for declared rare flora, threatened ecological communities or significant fauna habitat to occur within the application area or for the application area to contain high biodiversity.

The application area contains a drain and approximately half of the application area is classed as a Conservation Category Wetland, however it does not contain values consistent with a Conservation category wetland as the vegetation present is considered to be in a degraded (Keighery 1994) condition. Due to the area under application occurring within a wetland and containing wetland dependent vegetation such as Melaleuca spp, it is considered for the proposed clearing to be at variance to Principle (f).

Removal of vegetation within the area under application is likely to encourage the spread of weeds into adjacent wetland areas. Weed management conditions will assist in minimising these impacts.

Given the small size (0.39ha), it is not considered for the proposed clearing to increase the occurrence or intensity of flooding or cause appreciable land degradation. Some sedimentation of surface water may occur during the proposed clearing of the drain, however this is considered to be minor.

The proposed clearing is not likely to result in any significant adverse environmental impacts.

Methodology

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

Comments

The proposed clearing of 0.39ha within a 0.8ha area for the purpose of drainage re-profiling within an existing drain for maintenance.

Methodology

References

-Keighery (1994)

GIS Databases

-SAC Bio Datasets (5/10/2010)

-Soils, statewide

-Hydrography linear

-Pre-European Vegetation

4. References

City of Busselton (2010) Area Permit Application Form and Additional Information for CPS 3980/1 - Lot 70, 71 and 72 on Deposited Plan 222226 Frederick Street Busselton. DEC Ref A333623

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)