



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3332/1

File Number: DEC13306

Duration of Permit: From 4 November 2009 to 4 November 2011

PERMIT HOLDER

City of Armadale

LAND ON WHICH CLEARING IS TO BE DONE

Railway Avenue Road Reserve, Kelmscott 6111

AUTHORISED ACTIVITY

Clearing of 12 native trees within the area shaded yellow on attached Plan 3332/1

CONDITIONS

Nil.

A handwritten signature in black ink, appearing to read "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*

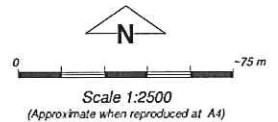
14 October 2009

Plan 3332/1



LEGEND

- Clearing Instruments
- Areas Approved to Clear
- Road Centrelines
- Perth Metropolitan Area
- Central 20km Orthomosaic - Landgate 2007



Geocentric Datum Australia 1994
 Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

[Signature] Date 14/08/09

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.



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1. Application details

1.1. Permit application details

Permit application No.: 3332/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Armadale

1.3. Property details

Property: ROAD RESERVE (KELMSCOTT 6111)
Local Government Area:
Colloquial name: Railway Avenue Road Reserve

1.4. Application

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

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
HeddlVegetation Complex: Forrestfield Complex : Vegetation ranges from open forest of E. calophylla - E. wandoo - E. marginata to open forests of E. marginata - E. calophylla - C. fraseriana - Banksia species. Fringing woodland of E. rudis in the gullies that dissect this landscape. (Heddl et al 1980).	The proposal is to clear 12 native trees for the upgrade and widening of Railway Avenue; between Westfield Road in the north to Merrifield Avenue in the south. The current road realignment has been designed to avoid the removal of native vegetation and the significant stand of Marri trees (Corymbia calophylla) opposite Banyard Road.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The vegetation clearing description is based on a site inspection by DEC (2009).
Beard Vegetation Association: 968: Medium woodland; jarrah, marri & wandoo. (Shepherd 2007; SAC Bio datasets 5/10/2009).	The vegetation under application comprises Corymbia calophylla, Eucalyptus spp, Callistemon viminalis and non-native species including Ficus rubiginosa, Brachychiton acerifolius and Cinnamomum camphora. The understorey is restricted to grasses and weeds along the western portion of Railway Avenue and landscaped and mulched areas located immediately adjacent to the Kelmscott Railway Station in the eastern portion of applied area.		

3. Assessment of application against clearing principles

Comments

The proposal is to clear 12 native trees for the purpose of road widening of Railway Avenue and is unlikely to have any significant environmental impacts. Given the completely degraded (Keighery, 1994; DEC, 2009) condition of the vegetation under application and limited understorey species present, the applied area is not considered to comprise a high level of biological diversity or to provide significant habitat for ground dwelling

fauna species.

There is one rare flora species, *Thelymitra stellata* recorded within the local area (5km radius), which is located approximately 3.2km northeast of the applied area. However, the identified rare flora species is found within a different vegetation complex and soil type to that found on site. The Threatened Ecological Community (TEC) identified as FCT20b - *Banksia attenuate* and/or *Eucalyptus marginate* woodlands of the eastern side of the Swan Coastal Plain is located approximately 800m south of the applied area. Given the completely degraded (Keighery, 1994) condition of the vegetation of the vegetation proposed to be cleared, the vegetation is not considered likely to represent a TEC or be considered significant as a remnant of native vegetation.

The proposed clearing for road works may cause some short term water quality issues in terms of localised surface water sedimentation and flooding during works. However, these issues should be minimised as road works will include roadside infrastructure to prevent water quality issues and flooding associated with roads (ie table drains and culverts).

It is considered that the proposed clearing is not likely to be at variance with any of the clearing principles.

Methodology

References:

- DEC (2009)
- Keighery (1994)

GIS Databases:

- Bushforever
- CALM Managed Lands and Waters
- EPP, Lakes
- Geomorphic Wetlands (Classification), Swan Coastal Plain
- Hedde Vegetation Complexes - DEP 22/06/95
- Hydrography, linear (hierarchy)
- Perth Metropolitan Area Central 20cm Orthomosaic - Landgate 2007
- Public Drinking Water Source Areas (PDWSA) UQ
- SAC Biodatasets - accessed 5/10/2009
- Soils, Statewide
- Topographic Contours, Statewide

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

Comments

No submissions from the public have been received.

No EP Act licences or approvals are required.

Railway Avenue is zoned Urban under the Metropolitan Region Scheme.

Methodology

GIS Database:

- Metropolitan Regional Scheme

4. Assessor's comments

Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is not likely to be at variance to the clearing Principles.

5. References

DEC (2009) Site Inspection Report for Clearing Permit Application CPS 3332, Railway Avenue road widening. Site inspection undertaken 8/10/2009. Department of Environment and Conservation, Western Australia (TRIM Ref. DOC 100701).

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.

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. (2007). 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. Includes subsequent

6. 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)