



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5126/1

File Number: 2011/006783-1

Duration of Permit: From 24 August 2012 to 24 August 2014

PERMIT HOLDER

City of Armadale

LAND ON WHICH CLEARING IS TO BE DONE

Lefroy Road reserve, Kelmscott (PIN 1343496)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.054 hectares of native vegetation within the area cross hatched yellow on attached Plan 5126/1.

CONDITIONS

1. 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;

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*.



Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH



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

2 August 2012

Plan 5126/1



LEGEND

- CRASHING AND/OR COLLISION**
-  Areas Approved to Clear
 -  Road Centrelines
 - Perth Metropolitan Central
15cm Orthomosaic - Landgate
2011



Scale 1:2338
(Approximate when reproduced at Letter)

Geocentric Datum Australia 1994

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

 Date 2/8/12

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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* Project Data. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 5126/1
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:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 2 August 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
<p>The vegetatin under application has been mapped as:</p> <p>Beard Vegetatin Associatino 4 - medium woodland; marri & wandoo (Shepard et. Al. 2001)</p> <p>Heddle vegetation complex:</p> <p>Darling Scarp Complex: Vegetation ranges from low open woodland to lichens according to depth of soils. Woodland components chiefly Eucalyptus wandoo (Wandoo) with Eucalyptus laeliae (Darling Range Ghost Gum) in the north, Corymbia haematoxylon (Mountain Marri) in the south, and Corymbia calophylla (Marri) throughout the region. Dominant vegetation types R. R. (Heddle et.al. 1980)</p> <p>Mattiske vegetation complex:</p> <p>Fo: Mosaic of open forest of Corymbia calophylla-Eucalyptus wandoo-Eucalyptus marginata subsp. elegantella and open forest of Eucalyptus marginata subsp. marginata (Mattiske and Havel 1998).</p>	<p>The application is to clear 0.054ha of native vegetation within Lefroy Road reserve. The vegetatin composition includes remnant Marri (Corymbia calophylla), Flooded Gum (Eucalyptus rudis), Wandoo (Eucalyptus wandoo) and Meleuca species. The understorey is completely dergraded (Keighery, 1994) and contains no significant native vegetation (City of Armadale, 2012).</p>	<p>Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)</p>	<p>The condition of the vegetation was determined via supporting information provided by the applicant (City of Armadale, 2012) and through the use of digital imagery (Perth Metropolitan Central 15cm Orthomosaic, Landgate 2011).</p>

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.054 hectares of native vegetation within Lefroy Road reserve, for the purpose of upgrading an existing drain.

The vegetation under application includes Marri (Corymbia calophylla), Flooded Gum (Eucalyptus rudis), Wandoo (Eucalyptus wandoo) and Melaleuca sp. The understorey is in a completely degraded (Keighery, 1994) condition (City of Armadale, 2012).

A couple of large Marri trees were observed along the drainage line that may contain hollows, providing potential habitat for Calyptorhynchus banksii subsp. naso (Forest Red-tailed Black-Cockatoo), Calyptorhynchus baudinii (Baudin's Cockatoo) and Calyptorhynchus latirostris (Carnaby's Cockatoo) all of which have been

recorded within the local area (DEC, 2012 and DEC, 2007-). Therefore the proposal may be at variance to principle (b). Fauna management practices will assist in assuring no fauna is harmed during clearing.

The vegetation under application is partially (0.008ha) mapped within the Canning River which is classified as a Conservation Category Wetland (CCW). The application area contains wetland dependent vegetation as is therefore at variance to principle (f).

The proposed clearing may increase sedimentation into the Canning river however; impacts are likely to be minimal and short term. Therefore the proposed clearing is not likely to be at variance to principle (i).

The disturbance caused by the proposed clearing will increase the likelihood of weeds and Dieback spreading into the CCW. Weed and Dieback management practices will minimise this risk.

The proposed clearing of 0.054ha of native vegetation in completely degraded condition may be at variance to principle (b), is at variance to principle (f) and is not likely to be at variance to any of the remaining principles.

Methodology

References:

City of Armadale (2012)
DEC (2007-)
DEC (2012)
Keighery (1994)

GIS datasets:

- Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain
- Hydrography linear
- SAC Biodatasets (accessed July 2012)

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

Comments

A portion of the application falls within the Canning/Swan River site of Aboriginal significance. The applicant will be notified of their obligations under the Aboriginal Heritage Act 1972.

The area under application partially falls within the Swan River trust Control Area. The Swan River Trust has advised that only the bottom corner of the lot is within the control area and therefore, it would be more appropriate for the Department of Environment and Conservation to assess the application (Swan River trust, 2012).

Methodology

References:

Swan River trust (2012)

GIS Datasets:

- Aboriginal Sites of Significance

4. References

- City of Armadale (2012) Additinal Informatin for Clearing Permit CPS 5126/1, Lefroy road Drain Kelmscott (Brookton Highway Outfall to Canning River) (DEC Ref: A516746)
- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 23/07/2012
- DEC (2012) Site Inspection Report for Clearing Permit Application CPS 5106/1, Lot Lefroy Road reserve, Kelmscott. Site inspection undertaken 23/07/2012. Department of Environment and Conservation, Western Australia (DEC A5228127).
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.
- Heddl, 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.
- 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)