



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4012/1

File Number: 2010/008122-1

Duration of Permit: From 11 December 2010 to 11 December 2012

PERMIT HOLDER

City of Armadale

LAND ON WHICH CLEARING IS TO BE DONE

Nicholson Road Reserve, Piara Waters 6112

Nicholson Road Reserve, Harrisdale 6112

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.3 hectares of native vegetation within the area hatched yellow on attached Plan 4012/1.

CONDITIONS

Nil.

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

M.G. Warnock
ACTING MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

11 November 2010

Plan 4012/1



LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear

Cadastre for labelling

- Freehold
- Crown Reserve
- State Forest / Timber Reserve
- Marine Park
- Crown Lease (cont)

- Lease / Reserve
- Lease on State Forest / Timber Reserve
- Public Roads
- Unallocated Crown Land
- Water

Swan Coastal Plain Central
20cm Orthomosaic - Landgate
2009



0 100 m

Scale 1:4033

(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.G. Warnock Date *11/11/10*
M.G. 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.



Department of Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 4012/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Armadale

1.3. Property details

Property: ROAD RESERVE (PIARA WATERS 6112)
ROAD RESERVE (HARRISDALE 6112)
ROAD RESERVE (PIARA WATERS 6112)
ROAD RESERVE (HARRISDALE 6112)

Local Government Area:

Colloquial name: Nicholson Road Reserve

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 11 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
Beard Vegetation Association: 1001: Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina	The proposal is to clear 1.3ha of native vegetation within a ~850m long road reserve for the purpose of constructing a dual carriageway for Nicholson road.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The vegetation condition has been established from aerial photography and photos provided by City of Armadale (City of Armadale 2010)
Hedde Vegetation Complex: Southern River Complex: Open woodland of <i>Corymbia calophylla</i> (Marri) - <i>Eucalyptus marginata</i> (Jarrah) - Banksia species with fringing woodland of <i>Eucalyptus rudis</i> (Flooded Gum) - <i>Melaleuca raphiophylla</i> (Swamp Paperbark) along creek beds.	The vegetation under consists of scatted introduced tree species and native <i>Melaleuca</i> sp. and Marri (<i>Corymbia calophylla</i>) trees over grassy weeds in a completely degraded condition.		
(Hedde et al 1998, Shepherd 2009) As above	Some small areas also contain scattered Marri trees over native sedges in a degraded condition.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	As above

3. Assessment of application against clearing principles

Comments

The vegetation under application consists of scatted introduced tree species and native *Melaleuca* sp. and Marri (*Corymbia calophylla*) trees over grassy weeds in a completely degraded (Keighery 1994) condition. Some small areas also contain scattered Marri trees over native sedges in a degraded (Keighery 1994) condition. Given the condition and that the vegetation is scatted over an 850m linear area, it is not considered

to consist of significant fauna habitat or contain a high biodiversity. In addition, it is not considered for the proposed clearing to cause or exacerbate appreciable land degradation.

The majority of the application area occurs within a Multiple Use Wetland. From site photos provided by the City of Armadale (2010) wetland dependent species such as Melaleuca trees were observed within the application area. However, given the predominately completely degraded (Keighery 1994) condition of the vegetation and the small linear area of the proposed clearing, it is not considered for the proposal to be at variance to Principle (f).

The vegetation under application is described as Beard vegetation association 1001 and Heddle vegetation Complex; Southern River Complex, of which there is 24.58% and 19.8% of pre-European native vegetation extent remaining in the Swan Coastal Plain bioregion respectively (Shepherd 2009, EPA 2003). The Heddle and Beard vegetation association/complex for the area under application retains more than the threshold level of 10% in the constrained area of the metropolitan region. The proposed clearing does not occur within an extensively cleared area as ~45% of pre-European vegetation remaining in the local area (~5km radius).

Given the above, the proposed clearing is not likely to be at variance to any of the clearing Principles and no significant environmental impacts are likely to result

Methodology

References

- City of Armadale (2010)
- Keighery (1994)
- EPA (2003)
- Shepherd (2009)
- GIS Databases
- SAC Bio Datasets (18 October 2010)
- Soils, statewide
- Pre European Vegetation
- Heddle Vegetation Complexes
- NLWRA, Current Extent of Native Vegetation

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

Comments

The proposal is to clear 1.3ha of native vegetation within a ~850m long road reserve for the purpose of constructing a dual carriageway for Nicholson road.

Under the Metropolitan Regional Scheme the application area falls within the Other Regional Road zoning. The land for road widening has been recently acquired by the City of Armadale.

Methodology

- GIS Databases
- Metropolitian Regional Scheme

4. References

- City of Armadale (2010) Clearing Permit Application CPS 4012/1 and Additional Information. (DEC ref A337364).
- 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.
- Heddle, 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. (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)