



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3876/1

File Number: 2010/005776

Duration of Permit: From 9 October 2010 to 9 October 2012

PERMIT HOLDER

City of Armadale

LAND ON WHICH CLEARING IS TO BE DONE

Lot 105 on Deposited Plan 58334

Ranford Road Reserve, Forrestdale 6112

Lot 107 on Deposited Plan 58003

Lot 108 on Deposited Plan 58002

Lot 109 on Deposited Plan 58001

Lot 110 on Deposited Plan 58000

Lot 112 on Deposited Plan 57996

Lot 113 on Deposited Plan 57995

Lot 114 on Deposited Plan 57994

Lot 115 on Deposited Plan 57993

Ranford Road Reserve, Champion Lakes 6111

Armadale Road Reserve, Forrestdale 6112

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.44 hectares of native vegetation within the area hatched yellow on attached Plan 3876/1a and 3876/1b.

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*

9 September 2010

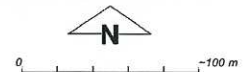
Plan 3876/1a



LEGEND

- Cadastre for labelling
- Road Centrelines
- FW
- HY
- LRO (cont)
- LRs
- MR
- N
- TR
- Clearing Instruments
- Areas Approved to Clear

Swan Coastal Plain Central
20cm Orthomosaic - Landgate
2009



Scale 1:4162
(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.

[Signature] Date 9/9/10
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.

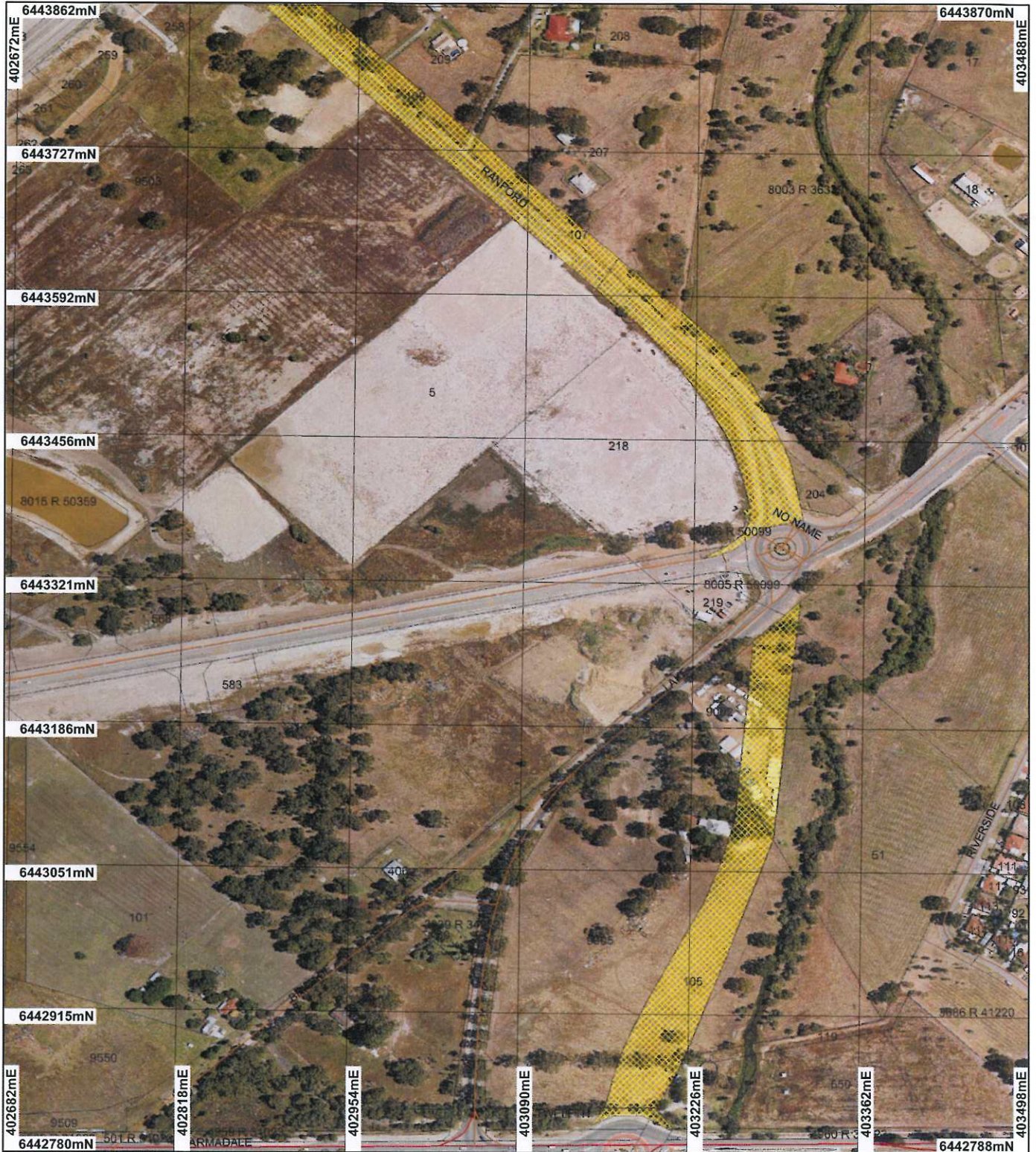


Department of Environment and Conservation

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

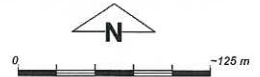
Plan 3876/1b



LEGEND

- Cadastre for labelling
- Road Centrelines
 - FW
 - HY
 - LRO (cont)
- Clearing Instruments
 - LR*
 - MR*
 - N*
 - TR*
- Areas Approved to Clear

Swan Coastal Plain Central
20cm Orthomosaic - Landgate
2009



Scale 1:4784
(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.

[Signature] Date 9/9/10
K. Faulkner

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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1. Application details

1.1. Permit application details

Permit application No.: 3876/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Armadale

1.3. Property details

Property:

- ROAD RESERVE (FORRESTDALE 6112)
- LOT 115 ON PLAN 57993 (CHAMPION LAKES 6111)
- ROAD RESERVE (CHAMPION LAKES 6111)
- ROAD RESERVE (CHAMPION LAKES 6111)
- LOT 114 ON PLAN 57994 (CHAMPION LAKES 6111)
- LOT 113 ON PLAN 57995 (CHAMPION LAKES 6111)
- LOT 112 ON PLAN 57996 (CHAMPION LAKES 6111)
- ROAD RESERVE (CHAMPION LAKES 6111)
- LOT 110 ON PLAN 58000 (CHAMPION LAKES 6111)
- LOT 109 ON PLAN 58001 (CHAMPION LAKES 6111)
- ROAD RESERVE (CHAMPION LAKES 6111)
- LOT 108 ON PLAN 58002 (CHAMPION LAKES 6111)
- LOT 107 ON PLAN 58003 (CHAMPION LAKES 6111)
- ROAD RESERVE (CHAMPION LAKES 6111)
- ROAD RESERVE (FORRESTDALE 6112)
- ROAD RESERVE (FORRESTDALE 6112)
- LOT 105 ON PLAN 58334 (FORRESTDALE 6112)
- ROAD RESERVE (FORRESTDALE 6112)
- ROAD RESERVE (FORRESTDALE 6112)
- ROAD RESERVE (FORRESTDALE 6112)
- ROAD RESERVE (CHAMPION LAKES 6111)

Local Government Area:

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.44		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
The vegetation under application consists of Beard Vegetation Association 968: Medium woodland; jarrah, marri & wandoo	The proposal is to clear 1.44ha of native vegetation within a ~2km long road reserve for the purpose of widening Ranford road.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The vegetation condition has been established from site visit undertaken by DEC officers on the 2 September 2010 (DEC 2010).
Heddele Vegetation Complex: Southern River Complex: Open woodland of <i>Corymbia calophylla</i> (Marri) - <i>Eucalyptus marginata</i> (Jarrah) - <i>Banksia</i> 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 scattered introduced tree species and native <i>Melaleuca</i> sp. and Marri (<i>Corymbia calophylla</i>) trees over grassy weeds in a completely degraded condition.		
Guildford Complex: A mixture of open forest to tall open forest of <i>Corymbia calophylla</i> (Marri) - <i>Eucalyptus wandoo</i> (Wandoo) - <i>Eucalyptus marginata</i> (Jarrah) and woodland of <i>Eucalyptus wandoo</i> (Wandoo) (with rare occurrences of <i>Eucalyptus</i>			

lane-poolei (Salmon White Gum)). Minor components include Eucalyptus rudis (Flooded Gum) - Melaleuca raphiophylla (Swamp Paperbark).

(Hedde et al. 1980, Shepherd 2009).

3. Assessment of application against clearing principles

Comments

The vegetation under application consists of scattered introduced tree species and native Melaleuca sp. and Marri (Corymbia calophylla) trees over grassy weeds in a completely degraded (Keighery 1994) condition (DEC 2010). Given the condition and that the vegetation is scattered over a 2km 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 and a small portion occurs within a Resource Enhancement wetland. In addition, wetland dependent species such as Melaleuca trees were observed within the application area (DEC 2010). However, given the 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 968 of which there is 7.23% of pre-European native vegetation extent remaining in the Swan Coastal Plain bioregion (Shepherd 2009). The Hedde Vegetation complex for the area under application is Southern River Complex and Guildford Complex of which there is 19.8% and 5% of pre-European vegetation extent remaining respectively (EPA 2006). The Beard and Hedde vegetation associations of the vegetation under application retains less than the EPA supported threshold level of 10% in the constrained area of the metropolitan region; below which species loss appears to accelerate exponentially at an ecosystem level (EPA, 2003). In addition, the proposed clearing occurs within an extensively cleared area with ~27% of pre-European vegetation remaining in the local area (~5km radius). However, given the completely degraded (Keighery 1994) condition of the vegetation it is not considered for the vegetation under application to represent these vegetation associations and complexes, therefore it is not considered for the clearing to be at variance to Principle e.

The proposed clearing is not likely to be at variance to the clearing Principles.

Methodology

References

- Keighery (1994)
- DEC (2010)
- Shepherd (2009)
- EPA (2006)
- EPA (2003)
- GIS Databases
- SAC Bio Datasets (25/8/2010)
- Hydrography, linear
- Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain
- Interim Biogeographic Regionalisation of Australia
- NLWA, Current Extent of Native Vegetation
- Hedde vegetation Associations
- Pre-European Vegetation

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

Comments

The proposal is to clear 1.44 ha for the final stage of widening of Randford Road from Tokin Hwy to Armadale Road in Champion lakes to accommodate the installation of a dual carriageway.

Under the Metropolitan Regional Scheme and the City of Armadale's town planning scheme the application area falls within the Regional Road zoning. The land for road widening has been recently acquired by the City of Armadale.

Two aboriginal sites of significance occur over the application area and the City of Armadale is currently pursuing the necessary approvals under the Aboriginal Heritage Act 1972 (City of Armadale 2010).

Methodology

References

- City of Armadale (2010)
- GIS Databases
- Town Planning Scheme
- Metropolitan Regional Scheme

4. References

- City of Armadale (2010) Clearing Permit Application CPS 3876/1 and Additional Information. (DEC ref A322645).
- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- DEC (2010) Site Inspection Report for Clearing Permit Application CPS 3876/1 Randford Road Reserve, Armadale. Site inspection undertaken 2/9/2010. Department of Environment and Conservation, Western Australia (DEC ref A330484).
- 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.
- 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.
- 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)