



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6745/1
Permit Holder:	Shire of Dardanup
Duration of Permit:	12 December 2015 – 12 December 2020

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

1. Purpose for which clearing may be done

Clearing for the purpose of road construction.

2. Land on which clearing is to be done

ROAD RESERVE (PIN1322823), EATON
ROAD RESERVE (PIN 1370905), MILLBRIDGE

3. Area of Clearing

The Permit Holder must not clear more than 0.1 hectares of native vegetation within the area hatched yellow on attached Plan 6745/1.

4. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

5. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for the activities described in condition 1 of this Permit to the extent that the Permit Holder has the power to carry out works involving clearing for those activities under the *Local Government Act 1995* or any other written law.

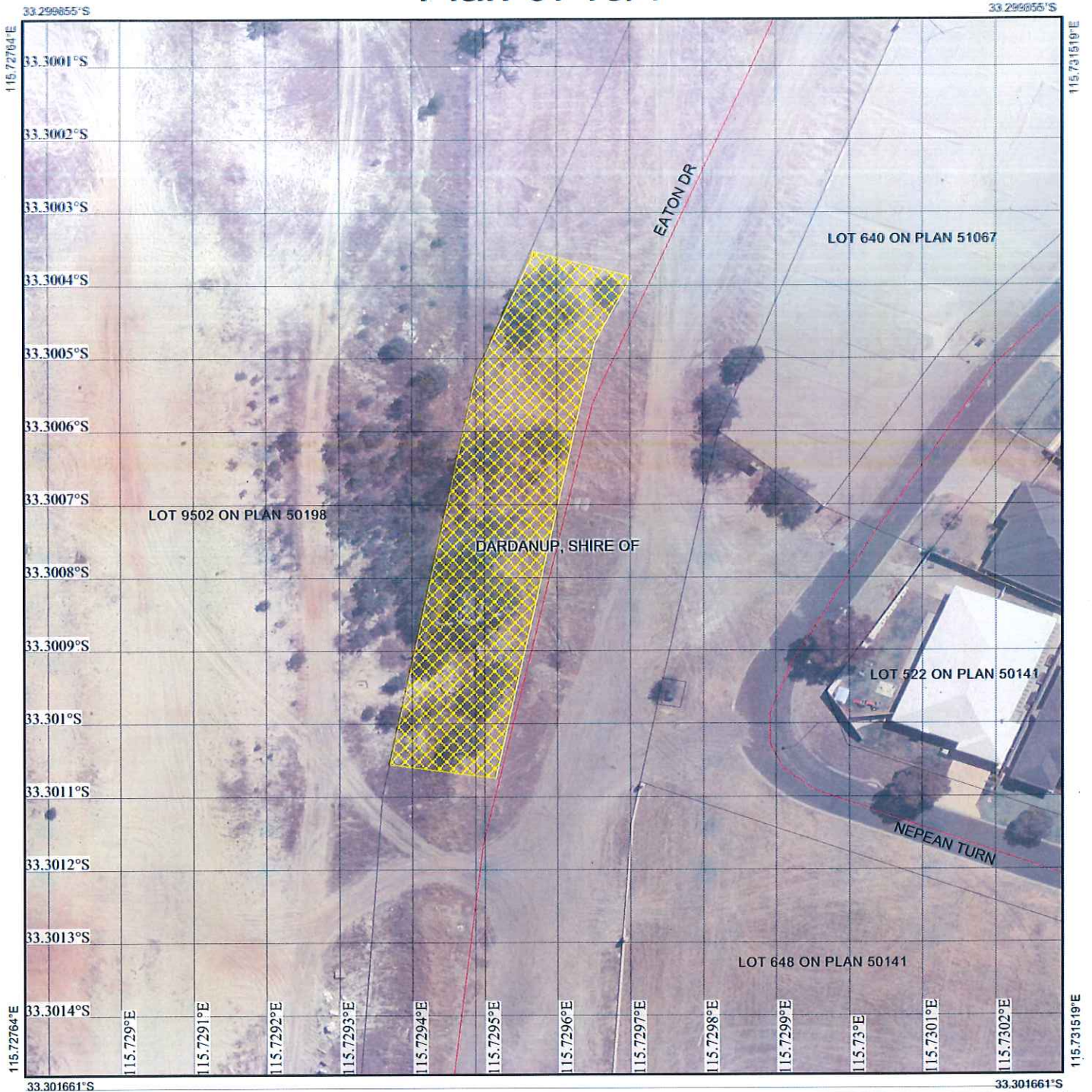
A handwritten signature in black ink, appearing to read "M Warnock", written over a horizontal line.

M Warnock
SENIOR MANAGER
CLEARING REGULATION

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

12 November 2015

Plan 6745/1



Legend

-  Roads
-  Imagery
-  Clearing Instruments Activities
-  Local Government Authority
-  Cadastre



1:700

(Approximate when reproduced at A4)

GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

M Warnock Date *12/11/15*

M Warnock

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



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WESTERN AUSTRALIA
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1. Application details

1.1. Permit application details

Permit application No.: 6745/1
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: Shire of Dardanup

1.3. Property details

Property: ROAD RESERVE - 1322823, EATON
ROAD RESERVE - 1370905, MILLBRIDGE
Colloquial name: EATON DRIVE
Local Government Authority: DARDANUP, SHIRE OF
DER Region: Greater Swan
DPaW District: WELLINGTON
LCDC: DARDANUP
Localities: EATON

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 12 November 2015

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 is mapped as:	The application is to clear 0.1 hectares of native vegetation for the construction of the northern end of Eaton Drive. This section of Eaton Drive is currently a dirt road and is to be formalised and bituminised.	Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994).	The condition of the vegetation under application was determined through aerial imagery, site photographs provided by the applicant (Shire of Dardanup 2015) and a western ringtail possum habitat survey conducted on 12 October 2015 (Harewood 2015).
Beard vegetation association 1182: Medium woodland; Eucalyptus rudis and Melaleuca raphiophylla (Shepherd et al 2001).			
Hedde Vegetaiton Complex Swan Complex: Fringing woodland of Eucalyptus rudis (Flooded Gum) - Melaleuca raphiophylla (Swamp Paperbark) with localised occurrence of low open forest of Casuarina obesa (Swamp Sheoak) and Melaleuca cuticularis (Saltwater Paperbark) (Hedde et al 1980).			The application area contains five mature peppermint trees, approximately three peppermint saplings, a large dead tree with several hollows of a size possibly suitable for small parrots and possums, a burnt out tree stump and a small number of dead peppermint trees interspersed within areas of very open grassland and bare sand (Harewood 2015).

3. Assessment of application against clearing principles

Comments The application is to clear up to 0.1 hectare of native vegetation for the purpose of road construction is unlikely to have any significant environmental impacts. Photographs of the application area (Shire of Dardanup 2015) indicate the vegetation is in degraded (Keighery, 1994) condition and contains native peppermint (*Agonis flexuosa*) and mature Eucalyptus trees over introduced grasses.

Western ringtail possum (WRP) is known to be present in nearby areas and often favour peppermint woodland as habitat in this section of the coastal plain (Harewood 2015). A daytime and nocturnal WRP survey conducted on 12 October 2015 found no evidence of WRP dreys, scats or individuals utilising the vegetation (Harewood 2015). The vegetation represents WRP habitat of marginal quality as the canopy connectivity is poor, some of the trees show significant canopy decline and the area is small and isolated from other nearby remnants by a distance of approximately 60 metres (Harewood 2015).

The WRP survey concluded WRP were not utilising the application area at the time of the survey, however a WRP management plan has been prepared to ensure WRP are not injured or killed during clearing, should some individuals be found occupying the area during clearing works (Harewood 2015). The measures in the WRP management plan reflect the Department of Parks and Wildlife's (Parks and Wildlife) procedures to minimise risk to WRP during vegetation clearing and building demolition. Parks and Wildlife advised the management plan adequately addresses all of the standard measures it seeks in this type of clearing event (Parks and Wildlife 2015a).

The local area (five kilometre radius) surrounding the application area is approximately 80 per cent cleared. The application area is mapped as highly cleared vegetation communities Beard Vegetation Association 1182 and Heddle's Swan Complex. These communities retain approximately 11 per cent and 13 per cent of the pre-European extent in the Swan Coastal Plain bioregion, respectively (Government of Western Australia 2014, Parks and Wildlife 2015b). The National Objectives and Targets for Biodiversity Conservation include a target that prevents the clearance of ecological communities below 30 percent of the pre-European extent (Commonwealth of Australia 2001). However, the vegetation under application is within a constrained area where the Environmental Protection Authority (EPA) provides for the reduction of vegetation complexes to a minimum of ten per cent of the pre-European extent (EPA 2003).

Considering the condition of the vegetation under application, it is unlikely to contain a high level of biodiversity and the proposed clearing is unlikely to impact any flora of conservation significance or threatened or priority ecological communities.

Given the nearest conservation area is more than 1.9 kilometres away, the proposed clearing is unlikely to impact on the value of any conservation areas.

As no wetlands or watercourses are mapped within or adjacent to the application area, and given the relatively small size, the proposed clearing is not likely to impact on riparian vegetation, contribute to or cause land degradation, deteriorate the quality of ground water or surface water and is not likely to cause or exacerbate flooding.

Given the above, the vegetation under application is not likely to be at variance to the clearing Principles.

Methodology

References:

Commonwealth of Australia (2001)
EPA (2003)
Government of Western Australia (2014)
Harewood (2015)
Keighery (1994)
Parks and Wildlife (2015a)
Parks and Wildlife (2015b)

GIS datasets:

Hydrography linear
Parks and Wildlife tenure
SAC Biodata sets accessed August 2015

Planning instruments and other relevant matters.

Comments

The application area is zoned Urban under the Greater Bunbury Region Scheme (EPA 2003).

No Aboriginal Sites of Significance have been mapped within the application area.

No public submissions have been received in relation to this application.

Methodology

References:

EPA (2003)

GIS Datasets:

Aboriginal Sites of Significance
Town Planning Scheme Zones:

4. References

Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.

EPA (2003) Greater Bunbury Region Scheme. Bulletin 1108. Environmental Protection Authority, Western Australia.

- Government of Western Australia (2014) 2014 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of June 2014. WA Department of Parks and Wildlife, Perth.
- Harewood, G. (2015) Western ringtail possum management plan. Proposed clearing CPS 6745/1 Eaton Drive Road Reserve, Millbridge. October 2015. DER Ref: A999623
- 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.
- Parks and Wildlife (2015a) Advice for clearing permit application CPS 6745/1 received 23 October 2015. Department of Parks and Wildlife, Western Australia. DER Ref: A1002270
- Parks and Wildlife (2015b) 2015 South West Forest and Swan Coastal Plain Vegetation Complex Statistics: a report prepared for the Department of Environment Regulation. Current as of March 2015. Department of Parks and Wildlife, Perth, Western Australia.
- Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.
- Shire of Dardanup (2015) Site photographs provided to support clearing permit application CPS 6745/1, 6 October 2015. DER Ref: A986804