



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3911/1
Permit Holder:	Shire of Augusta-Margaret River
Duration of Permit:	7 November 2010 – 7 November 2015

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

PART I – CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing for the purpose of road reconstruction.

2. Land on which clearing is to be done

Wallis Road reserve, Witchcliffe (PIN: 11478019)
Boronia Road reserve, Rosa Glen (PIN: 11478020)
Lot 4004 on Plan 207556, Rosa Glen

3. Area of Clearing

The Permit Holder must not clear more than 0.5 hectares of native vegetation within the area hatched yellow on attached Plan 3911/1.

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 activities to the extent that the Permit Holder has the power to clear native vegetation for those activities under the *Local Government Act 1995* or any other written law.

6. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

7. Avoid, minimise etc clearing

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

- (a) avoid the clearing of native vegetation;
- (b) minimise the amount of native vegetation to be cleared; and
- (c) reduce the impact of clearing on any environmental value.

8. Dieback and weed control

- (a) 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*:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
 - (ii) shall only move soils in *dry conditions*;
 - (iii) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
 - (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- (b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

9. Fauna management

- (a) Prior to undertaking any clearing authorised under this Permit, the area(s) shall be inspected by a *fauna specialist* who shall identify tree(s) that contain hollows suitable to be utilised as *habitat tree(s)* by fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice 2010(2)*.
- (b) Prior to clearing, any *habitat tree(s)* identified by condition 9(a) shall be inspected by a *fauna specialist* for the presence of fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice 2010(2)*.
- (c) Within one week prior to undertaking any clearing authorised under this Permit, the Permit Holder shall engage a *fauna clearing person* to remove and relocate fauna identified under condition 9(b).

PART III - RECORD KEEPING AND REPORTING

10. Records to be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

- (a) In relation to the clearing of native vegetation authorised under this Permit:
 - (i) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;
 - (ii) the date that the area was cleared; and
 - (iii) the size of the area cleared (in hectares).
- (b) In relation to fauna management pursuant to condition 9 of this Permit:
 - (i) the location of each habitat tree identified recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;

- (ii) the species name of fauna reasonably likely to utilise, or that have been observed utilising, the habitat/habitat tree(s); and
- (iii) the location and date where relocated fauna was released, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings.

11. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
 - (i) of records required under condition 10 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 7 August 2015, the Permit Holder must provide to the CEO a written report of records required under condition 10 of this Permit where these records have not already been provided under condition 11(a) of this Permit.

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;

fauna clearing person means a person who has obtained a licence from the Department, issued pursuant to the *Wildlife Conservation Regulations 1970* authorising them to take fauna;

fauna specialist means a person with training and specific work experience in fauna identification or faunal assemblage surveys of Western Australian fauna;

fill means material used to increase the ground level, or fill a hollow;

habitat tree(s) means trees that have a diameter, at average adult human chest height, of greater than 70cm, healthy but with dead limbs and broken crowns that are likely to contain hollows and roosts suitable for native fauna, or where these are not present then healthy but with the potential to contain hollows and roosts;

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*.

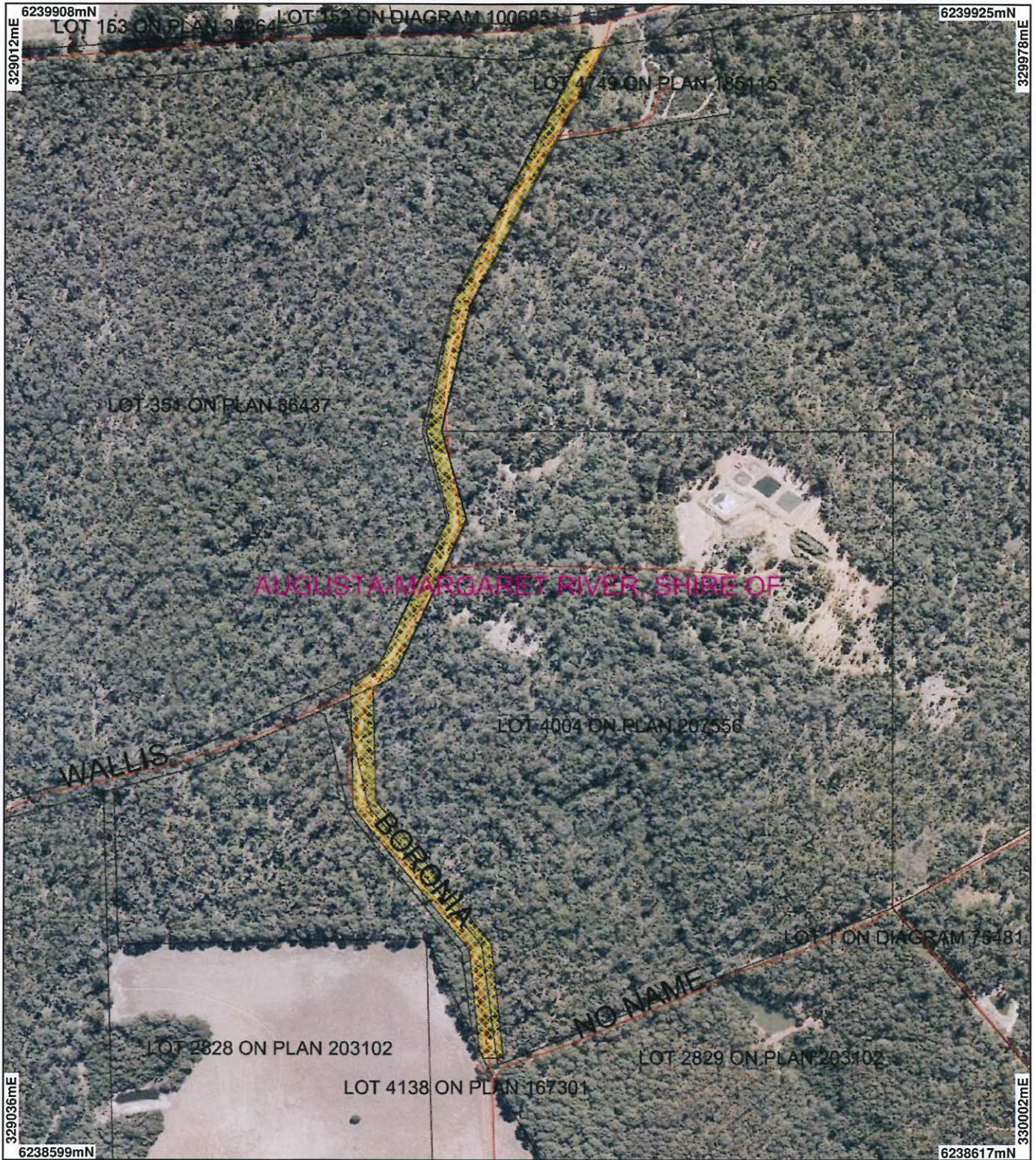


Matthew Warnock
ACTING MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

7 October 2010

Plan 3911/1



LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities

Cadastre
Busselton 50cm Orthomosaic -
Landgate 2007



0 150 m

Scale 1:5742

(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. Warnock Date 7/10/10

M. 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.: 3911/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Augusta Margaret River

1.3. Property details

Property: ROAD RESERVE (ROSA GLEN 6285)
ROAD RESERVE (WITCHCLIFFE 6286)
LOT 4004 ON PLAN 207556 (Lot No. 4004 WALLIS ROSA GLEN 6285)

Local Government Area: Shire of Augusta-Margaret River

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.5		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
<p>Beard Vegetation Association: 1: Tall forest; karri (Eucalyptus diversicolor); 3: Medium forest; jarrah-marri. (Shepherd, 2009)</p> <p>Mattiske Vegetation Complex: Cowaramup (C1): Open to tall open forest of Eucalyptus marginata subsp. marginata-Corymbia calophylla-Banksia grandis on lateritic uplands in the hyperhumid zone; Wilyabrup (W1): Tall open forest of Eucalyptus diversicolor-Corymbia calophylla-Allocasuarina decussata-Agonis flexuosa on deeply incised valleys in the hyperhumid zone. (Mattiske and Havel, 1998)</p>	<p>The proposal is to clear 0.5 hectares of native vegetation within the road reserves of Boronia and Wallis Roads and adjacent property, Lot 4004 on Plan 207556, Rosa Glen for the purpose of reconstructing sections of Boronia Road and Wallis Road.</p> <p>The proposed clearing is within the Jarrah Forest Interim Biogeographic Regionalisation for Australia (IBRA).</p> <p>The vegetation is considered to be in very good to good (Keighery, 1994) condition with edge effects due to the existing road.</p>	<p>Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 1994)</p> <p>To</p> <p>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery, 1994)</p>	<p>Vegetation condition was determined from aerial photography and photographs from a site visit (DEC, 2010).</p>

3. Assessment of application against clearing principles

Comments

The Shire of Augusta-Margaret River proposes to clear 0.5 hectares (ha) of native vegetation within road reserves and an adjoining property for the realignment and reconstruction of approximately 1.2km of Boronia and Wallis Roads.

The vegetation under application is mapped within Beard Vegetation Associations 1 and 3, which retain 82% and 69% of their pre-European extents, respectively, within the Jarrah Forest IBRA bioregion (Shepherd, 2009). The Shire of Augusta-Margaret River retains 67% of its pre-European vegetation extent, with approximately 73% of native vegetation held in secure tenure (Shepherd, 2009). Due to disturbance from the adjacent road and proximity to large tracts of good quality vegetation held in secure tenure, the vegetation under application is unlikely to hold significant biodiversity values on a local (10km radius) or regional scale.

The Bramley National Park abuts both sides of the Wallis Road reserve in the northern portion of the applied area. Roadside vegetation provides a buffer from edge effects to surrounding vegetation (RCC, 2003). The Roadside Conservation Committee (RCC) have assessed the vegetation under application as being of high conservation significance (RCC, 2003). Soil disturbance and removal of native vegetation increases the risk of weeds and pathogens such as dieback (*Phytophthora cinnamomi*) being introduced or spread. The

management of dieback is of particular importance as the proposed clearing is within a high (1200mm) rainfall area and is adjacent to the Bramley National Park. Weed and dieback management conditions will minimise the risk of introduction or spread of pathogens and invasive species into the neighbouring National Park.

There are numerous records of threatened and priority fauna and flora in the local area (10km radius) and a site inspection undertaken in September 2010 identified two hollow-bearing trees that have the potential to provide habitat for black cockatoo species (DEC, 2010). As fauna may be present at the time of clearing, fauna management condition will mitigate impacts to fauna. The application area is unlikely to provide suitable habitat for rare flora (DRF), as the vegetation under application is mapped within different soil types as known records of DRF in the local area.

Due to the close proximity to large tracts of high quality remnant vegetation, the small scale (0.5ha) and linearity of the application area, the proposed clearing is considered unlikely to impact on water quality, cause appreciable land degradation or exacerbate the incidence or severity of flooding.

Given the above the proposed clearing may be at variance to Principles (b) and (h) and is not likely to be at variance with the remaining clearing Principles.

Methodology

References:

DEC, 2010

RCC, 2003

Shepherd, 2009

GIS Databases:

- ANCA, Wetlands - 26/03/99

- Busselton 50cm Orthomosaic - Landgate 2007

- DEC Managed Lands & Waters - DEC 28/10/09

- Evapotranspiration, Area Actual - BOM 30/09/01

- Groundwater Salinity, statewide - DoW 13/07/06

- Hydrogeographic Catchments, Catchments - DoW 01/06/07

- Hydrogeology, statewide - DoW 13/07/06

- Hydrography, linear DoW 13/7/06

- Mattiske Vegetation Complexes - CALM 01/03/98

- Rainfall, Mean Annual - BOM 30/09/01

- Pre-European vegetation - DA 01/01

- RAMSAR, Wetlands - 15/10/09

- SAC Biodatasets - 02/09/10

- Soils, Statewide - 30/11/99

- Topographic Contours, Statewide - DOLA 12/09/02

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

Comments

Lot 4004 on Plan 207556, Rosa Glen is vested with the Shire of Augusta-Margaret River (the Shire) for the purpose of 'Sanitary Site'. The Department of Regional Development and Lands has authorised the Shire to apply for a permit to clear native vegetation within this property (DEC Ref: A329384).

The application area is within the Blackwood Ground Water area proclaimed under the *Rights in Water and Irrigation Act 1914* and the Margaret River Catchment Area, a Priority 3 Public Drinking Water Source Area. The Department of Water has no objection to the proposed clearing (DoW, 2010).

No submissions have been received.

There are no known Aboriginal Sites of Significance within the application area.

Methodology

References:

DoW, 2010

GIS Databases:

- Aboriginal Sites of Significance - DIA 02/10

- Cadastre - Landgate 12/09

- Country Area Water Supply Act (Part IIA) Clearing Control Catchments - DoW 29/06/06

- Environmental Impact Assessments - EPA 08/03/05

- Native Title Claims - LA 2/5/07

- Public Drinking Water Source Areas (PDWSAs) - 07/02/06

- RIWI Act, Areas - DoW 05/04/02

- RIWI Act, Groundwater Areas - DoW 13/07/06

- RIWI Act, Irrigation Districts - DoW 13/07/06

- Town Planning Scheme Zones - MFP 31/08/98

4. References

- DEC (2010) Southwest Regional Advice. Department of Environment and Conservation. DEC Ref: A337294
- DoW (2010) Rights in Water and Irrigation Act Advice - Blackwood Groundwater Area. Department of Water Southwest Region. DEC Ref: A334074
- 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.
- RCC (2003) Shire of Augusta-Margaret River Technical Report 2003. Roadside Conservation Committee. Retrieved from <http://www.dec.wa.gov.au/content/view/6081/2340/> Accessed 1/10/2010.
- 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)