



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6030/1
Permit Holder:	Shire of Dardanup
Duration of Permit:	17 May 2014 – 17 May 2019

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 widening and realigning the road, improving sight lines and associated works.

2. Land on which clearing is to be done

Joshua Creek Road reserve (PIN 1314719, PIN 1314720, PIN 1321464, PIN 1321463, PIN 11010789 and PIN 11010790), Crooked Brook
State Forest 27, Crooked Brook

3. Area of Clearing

The Permit Holder must not clear more than 1 hectare of native vegetation within the area hatched yellow on attached Plan 6030/1.

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.

PART II – MANAGEMENT CONDITIONS

5. 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*:

- clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared;
- 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;

soil disease status means soil types either infested, not infested, uninterpretable or not interpreted with a pathogen.

weed/s means any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in a Department of Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.



J Clarkson
ACTING MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

17 April 2014

Plan 6030/1



LEGEND

- Cadastre
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities Buntbury 50cm Orthomosaic - Landgate 2008
- Dennybrook 50cm Orthomosaic - Landgate 2004

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



Scale 1:13000

(Approximate when reproduced at A4)

Geocentric Datum Australia 1984

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

J. Clouston Date: 17.4.14

Jane Clouston

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.



Government of Western Australia
Department of Environment Regulation

WA Coast Geosys 2002



Clearing Permit Decision Report

Government of Western Australia
Department of Environment Regulation

1. Application details

1.1. Permit application details

Permit application No.: 6030/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Dardanup

1.3. Property details

Property: STATE FOREST 27 (CROOKED BROOK 6236)
ROAD RESERVE (CROOKED BROOK 6236)
Local Government Area: Shire of Dardanup
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 17 April 2014

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>Mapped Beard vegetation association:</p> <ul style="list-style-type: none"> - 1182 (85 per cent): Medium woodland; Eucalyptus rudis & Melaleuca raphiophylla - 1017 (15 per cent): Medium open woodland; jarrah & marri, with low woodland; banksia (Shepherd et al. 2001); <p>Mapped Mattiske Vegetation association:</p> <p>KI (Kingia): Open forest of Eucalyptus marginata subsp. marginata-Corymbia calophylla-Allocasuarina fraseriana-Banksia grandis-Xylomelum occidentale on lateritic uplands in perhumid and humid zones (Mattiske and Havel, 1998).</p>	<p>The application is to clear one hectare of native vegetation within Joshua Creek Road reserve and State Forest 27, Crooked Brook, for the purposes of widening and realigning the road, improving sight lines and associated works.</p>	<p>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)</p> <p>To</p> <p>Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994).</p>	<p>The vegetation description was determined by aerial imagery. The condition of the vegetation was determined by a flora and vegetation survey conducted 9 October 2013. Much of the application area is devoid of native vegetation; the remainder is comprised of remnant vegetation ranging in condition from 'completely degraded' to 'very good' (Ecoedge Environmental Pty Ltd 2014).</p>

3. Assessment of application against clearing principles

Comments

Application CPS 6030/1 is to clear one hectare of native vegetation within Joshua Creek Road reserve and State Forest 27, Crooked Brook, for the purposes of widening and realigning the road, improving sight lines and associated works.

Much of the application area is devoid of native vegetation; the remainder is comprised of remnant vegetation ranging in condition from 'completely degraded' to 'very good' (Ecoedge Environmental Pty Ltd 2014). The closest priority (Priority 1) flora is mapped over three kilometres from the clearing area. Although priority ecological communities and rare flora have been mapped within the local area (10 kilometre radius), only one rare flora species has been mapped within the same soil type and vegetation association as the application area, approximately three kilometres from the area. A flora and vegetation survey, conducted 9 October 2013,

did not reveal the presence of any declared rare or priority flora within the application area (Ecoedge Environmental Pty Ltd 2013). Regional advice states that the proposed clearing is unlikely to 'impact on any listed or otherwise significant flora and/or vegetation' (Department of Parks and Wildlife 2014).

The application area encroaches into state forest, however, the impact is expected to be restricted within the Road reserve. Impact on the adjoining state forest should be minimal provided clearing debris is not pushed into the state forest vegetation (Department of Parks and Wildlife 2014).

Based on the above, the proposed clearing area is unlikely to comprise a high level of biological diversity or be necessary for the continued existence of rare flora or a threatened ecological community. It does not serve as a significant remnant of native vegetation in an area that has extensively been cleared and it is unlikely to have a detrimental impact on fauna habitat. Practices to minimise the spread of dieback and weeds are recommended, especially given the close proximity of State Forest 27.

Two minor watercourses (unconfirmed) associated with the 'Preston River and Tributaries' system transect the application area.

The linear nature and the small extent of the proposed clearing is unlikely to cause appreciable land degradation, impact on water quality or cause or exacerbate land degradation or flooding.

Considering the above, the application may be at variance to clearing Principles (f) and (h). It is not likely to be at variance to the remaining clearing principles.

Methodology

References:

- Department of Parks and Wildlife (2014)
- Ecoedge Environmental Pty Ltd (2014)
- Government of Western Australia (2013)
- Keighery (1994)
- Morgan (2013)
- Shepherd et al (2001)

GIS Datasets:

- DEC tenure
- Hydrography, linear
- RIWI Act, Rivers
- SAC Biodatasets - accessed April 2014
- Pre-European Vegetation
- Soils, Statewide (Unit)

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

Comments

The proposal is associated with 'Black Spot' funding. Part of the proposed work area was originally included in an expired clearing permit (CPS 181/3).

Two minor watercourses (unconfirmed) associated with the 'Preston River and Tributaries' system transect the application area. Advice from the Department of Water references the requirement for a Permit to Obstruct or Interfere with the bed and banks of a watercourse, should there be any clearing/interference over the banks of Joshua Creek (DoW 2014a). This is unlikely to occur during the course of the proposed activity given the closest point of Joshua Creek is more than 40 metres from the application area.

The source of water for the proposed purpose of the application is not yet known. The applicant should contact the Department of Water if approvals under the Rights in Water and Irrigation Act 1914 are required (DoW 2014b).

Methodology

References:

- DoW (2014a)
- DoW (2014b)

GIS Dataset:

- Environmental Impact Assessments_1

4. References

- Department of Parks and Wildlife (2014) Advice received in relation to clearing permit application CPS 6030/1, received 3 April 2014. Department of Parks and Wildlife, Western Australia (DER Ref: A745106).
- DoW (2014a) Advice received in relation to clearing permit application CPS 6030/1, received 27 March 2014. Department of Water, Western Australia (DER Ref: A742932).
- DoW (2014b) Advice received in relation to clearing permit application CPS 6930/1, received 14 April 2014. Department of Water, Western Australia (DER Ref: A748766).
- Ecoedge Environmental Pty Ltd (2014) Level 1 Flora and Vegetation Survey - Road Reserve, Joshua Brook Rd, Dardanup, Bunbury, Western Australia.

- Government of Western Australia (2013) 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, Perth.
- 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.