



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5264/1
Permit Holder:	Shire of Jerramungup
Duration of Permit:	9 November 2012 – 9 November 2017

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 linking an existing road drain to the proposed Jacup dam.

2. Land on which clearing is to be done

South Coast Highway road reserve, Jacup (PIN 11640401)

3. Area of Clearing

The Permit Holder must not clear more than 0.05 hectares of native vegetation within the area shaded yellow on attached Plan 5264/1.

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.

6. 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;
- shall only move soils in *dry conditions*;
- ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

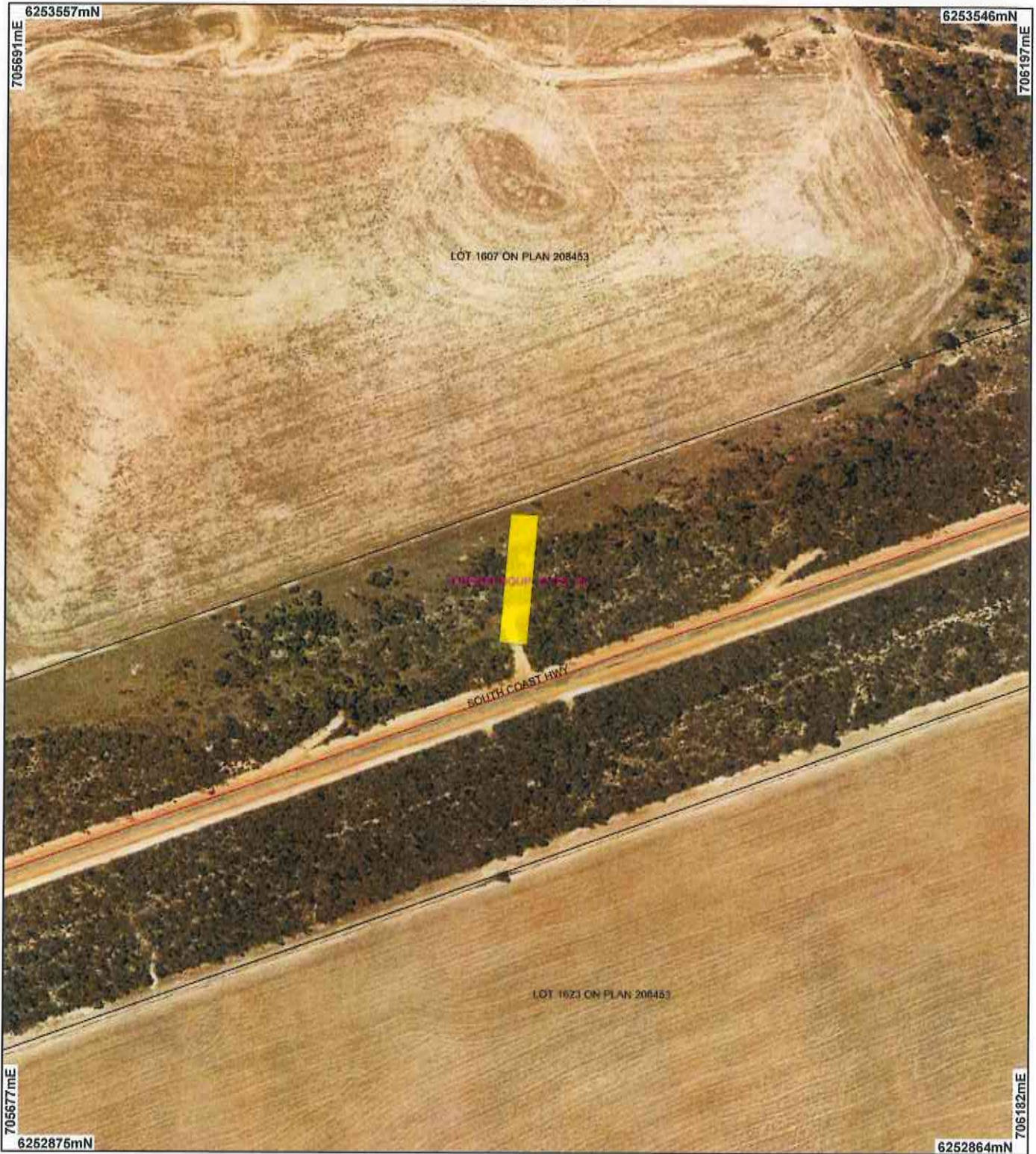
A handwritten signature in black ink that reads "Roxane Shadbolt".

Roxane Shadbolt
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

18 October 2012

Plan 5264/1



LEGEND

- Local Government Authorities
- Clearing Instruments
- Cadastre
- Road Controlines

Jacup 50cm Orthomosaic - Landgate 2008



Scale 1:3000

(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.

R. Shadbolt Date 16/10/12
Roxane Shadbolt

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.: 5264/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Jerramungup

1.3. Property details

Property: ROAD RESERVE (JACUP 6337)
Local Government Area: Shire of Jerramungup
Colloquial name: South Coast Highway road reserve

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.05		Mechanical Removal	Drainage

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 18 October 2012

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: 940 - Mosaic: Shrublands; mallee scrub, black marlock/Shrublands; tallerack mallee-heath (Shepherd et al. 2001).	The application is to clear up to 0.05 hectares of native vegetation within the South Coast Highway road reserve for the purpose of linking an existing road drain to the proposed Jacup Dam.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994). To Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994).	Vegetation description and condition were determined through aerial imagery (Jacup 50cm Orthomosaic - Landgate 2008) and information provided by proponent (Shire of Jerramungup 2012).

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.05 hectares of native vegetation within the South Coast Highway road reserve for the purpose of linking an existing road drain to the proposed Jacup Dam.

The vegetation under application is in good to completely degraded (Keighery 1994) condition. The poor condition of the vegetation is a result of the deposition of eroded soil from the adjacent private property and a high infestation of weeds (Shire of Jerramungup 2012).

The closest priority flora on the same soil and vegetation complex as the application area is *Stylidium pseudohirsutum*, (priority 3), which is located approximately 7.9 kilometres from the application area. Given the condition of the vegetation, it is unlikely that any priority flora will occur within the application area.

There are two threatened, two protected under international agreement and one priority fauna species within the local area (10 kilometre radius). The application area provides important linkage between the Fitzgerald National park and the Fitzgerald River corridor (CALM 1992). However, given the condition of the vegetation and the relatively narrow width of the application area, it is unlikely that the proposed clearing would hinder fauna movement. Given the degraded condition of the vegetation, it is unlikely that the application area comprises significant habitat for any fauna.

There is one rare flora species recorded within the local area (10 kilometre radius). The closest record of this species is approximately 2.3 kilometres from the application area. This species occurs on rocky, sandy clay sites along watercourses or in areas that collect runoff (Brown et al. 1998). Given the degraded condition of the vegetation under application, it is unlikely to provide habitat for this species.

The Shire of Jerramungup retains approximately 44 per cent of pre-European levels of vegetation and the local area retains approximately 20 per cent native vegetation. Beard vegetation type 940 has approximately 47 per

cent of the pre-European extent remaining within the bioregion.

The national objectives and targets for biodiversity conservation in Australia has a target to prevent clearance of ecological communities with an extent below 30 per cent of that present pre-1750, below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia 2001).

Although the area local area contains less than 30 per cent remaining vegetation, due to the condition of the vegetation it is not considered to be a significant remnant.

The application area is an existing drain and is intersected by a minor, non perennial watercourse. Therefore the proposed clearing may be at variance to principle (f). During works, the proposed clearing may cause short term water quality issues, such as localised surface water sedimentation. However, these issues are likely to be minimal. Therefore, the proposed clearing is unlikely to be at variance to principle (i).

Given the above, the proposed clearing may be at variance to principle (f) and is not likely to be at variance to the remaining principles.

Methodology References:
Brown et al. 1998
CALM 1992
Commonwealth of Australia 2001
DEC 2007-
Keighery 1994
Shire of Jerramungup 2012

GIS Databases:
- Hydrography, Linear
- Jacup 50cm Orthomosaic - Landgate 2008
- NLWRA, Current extent of Native Vegetation
- Pre European Vegetation
- SAC Biodatasets
- Soils, Statewide

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

Comments

This application replaces application CPS 4881/1. The withdrawn application (CPS 4881/1) proposed to clear 1 hectare of native vegetation on the South Coast Highway road reserve, Jacup for the construction of an emergency stock water dam. This application was deemed to have several significant environmental impacts.

Main Roads Western Australia has agreed in principle to the drainage and dam constructions (Shire of Jerramungup 2012).

Methodology References:
Shire of Jerramungup 2012

4. References

- Brown A., Thomson-Dans C. and Marchant N.(1998). Western Australia's Threatened Flora, Department of Conservation and Land Management, Western Australia.
- CALM (1992) South Coast Region. Regional Management Plan 1992-2002. Management Plan No. 24. Department of Conservation and Land Management, WA.
- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 1/10/2012.
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). 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.
- 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.
- Shire of Jerramunup (2012) Clearing Permit Application CPS 5264/1 - South Coast Highway road reserve, Jacup. DEC REF: A545191.

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)