



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5390/1
Permit Holder:	Shire of Jerramungup
Duration of Permit:	8 February 2013 – 8 February 2018

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 realignment.

2. Land on which clearing is to be done

Rabbit Proof Fence Road reserve, Mills Lake and Needilup (PIN 11375300 and PIN11375301)

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 5390/1.

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. 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. 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*:

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

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;

weed/s means any plant -

- (a) that is declared under the section 37 of *Agriculture and Related Resources Protection Act 1976*;
or
- (b) published in the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

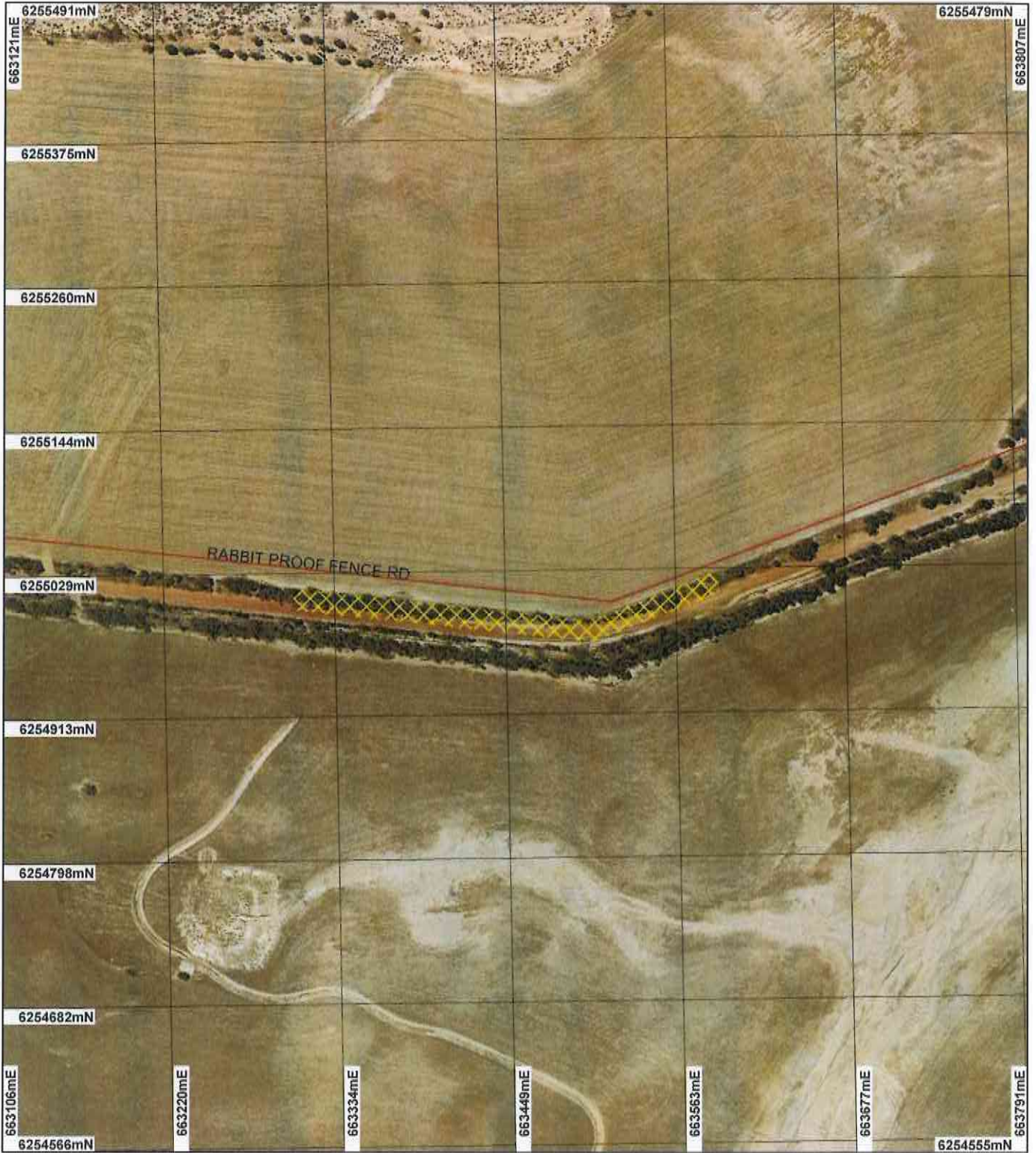


Belinda Walker
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

17 January 2013

Plan - 5390/1



LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Jerramungup 50cm Orthomosaic - Landgate 2008



Scale 1:4069
(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.

B. Walker Date 17/1/13
B. Walker

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.: 5390/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Jerramungup

1.3. Property details

Property: ROAD RESERVE (MILLS LAKE 6336)
ROAD RESERVE (NEEDILUP 6336)
Local Government Area: Shire of Jerramungup
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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 17 January 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
Mapped Beard vegetation association 1075: Shrublands; mallee scrub, Eucalyptus eremophila & black marlock (<i>E. redunca</i>) (Shepherd et al, 2001).	The application is to clear 0.5 hectares of native vegetation over a linear distance of approximately one kilometre for the purpose of road realignment. The proposed clearing will be undertaken in the northern section of the road reserve.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994) To	The condition of the vegetation under application has been obtained through aerial photography (Jerramungup 50cm Orthomosaic - Landgate 2008).
	The vegetation under application is considered to be in a degraded to good (Keighery, 1994) condition.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	

3. Assessment of application against clearing principles

Comments

The application is to clear 0.5 hectares of native vegetation over a linear distance of approximately one kilometre. The proposed clearing will be conducted within the northern section of the road reserve and the vegetation under application is considered to be in a good to degraded (Keighery, 1994) condition. The application is approximately 18.5 kilometres north west from the townsite of Jerramungup.

Four priority flora species have been recorded within the local area (10 kilometres) of the area under application. Most notably was priority 3 species which has been recorded approximately 850 metres from the area under application within the same road reserve as the applied area. This species is an erect compact shrub that can be found in sandy loam soils. The proposed clearing of 0.5 hectares of vegetation is unlikely to impact upon the conservation status of this species. There are no rare flora species or threatened ecological communities in the vicinity of the project.

The Shire of Jerramungup retains 44 per cent of its pre-European extent of vegetation (Government of Western Australia, 2011). The vegetation type impacted by the proposed clearing is Beard vegetation association 1075 which has 15 per cent remaining within the Mallee bioregion (Government of Western Australia, 2011). There is

approximately 15 per cent native vegetation remaining within the local area. 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). The Beard vegetation association 1075 is below the national objectives and target level of 30 per cent.

Given the highly cleared landscape and the good to degraded (Keighery, 1994) condition of the vegetation, the area under application may hold value as an ecological linkage in an area that has been extensively cleared. However, given that the clearing as proposed is to be undertaken in the northern side of the road reserve and that clearing of 0.5 hectares will only reduce Beard vegetation association 1075 by a further 0.01 per cent it is considered that the impacts are not likely to be significant. The disturbance caused by the proposed clearing will increase the risk of weeds spreading into adjacent vegetation within the road reserve. Weed management practices will assist in mitigating this risk.

The Gardner River is approximately 4 kilometres east of the clearing area. Numerous tributaries have been mapped within the local area however, none intersect with the application area. The application is unlikely to consist of wetland/watercourse dependent vegetation.

Given the clearing size of 0.5 hectares and that the proposed clearing will be only be undertaken on the northern side of the road reserve over a linear distance of approximately one kilometre, it is considered that that the proposed clearing will not significantly impact on biodiversity in the local area, nor it is likely for the proposed clearing to contain significant fauna habitat, impact on nearby conservation areas, cause or exacerbate land degradation or flooding or impact on water quality.

The application may be at variance to principle (e) and is not likely to be at variance to the remaining clearing principles.

- Methodology** Reference:
- Commonwealth of Australia (2001)
 - Government of Western Australia (2011)
 - Keighery (1994)
- GIS Databases:
- Interim Biogeographic Regionalisation
 - NLWRA, Current Extent of Native Vegetation

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

Comments There has been no public submissions received.

Methodology

4. References

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

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)