



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4524/1

File Number: DEC13418

Duration of Permit: From 3 October 2011 to 3 October 2013

PERMIT HOLDER

Shire of Manjimup

LAND ON WHICH CLEARING IS TO BE DONE

Perup Road reserve (Perup 6258)

Perup Road reserve (Balbarrup 6258)

Perup Road reserve (Dingup 6258)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.5 hectares of native vegetation within the area shaded yellow on attached Plan 4524/1.

CONDITIONS

1. 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*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) shall only move soils in *dry conditions*;
- (c) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (d) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

2. 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 2(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 2(b).

3. Records to be kept

In relation to fauna management pursuant to condition 2 of this Permit:

- (a) 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 or decimal degrees;
- (b) the species name of fauna reasonably likely to utilise, or that have been observed utilising, the *habitat/habitat tree(s)*; and

- (c) 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 or decimal degrees.

4. 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 3 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 3 July 2013, the Permit Holder must provide to the CEO a written report of records required under condition 3 of this Permit where these records have not already been provided under condition 4(a) (reporting condition) 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 50cm, 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.

weeds 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*.

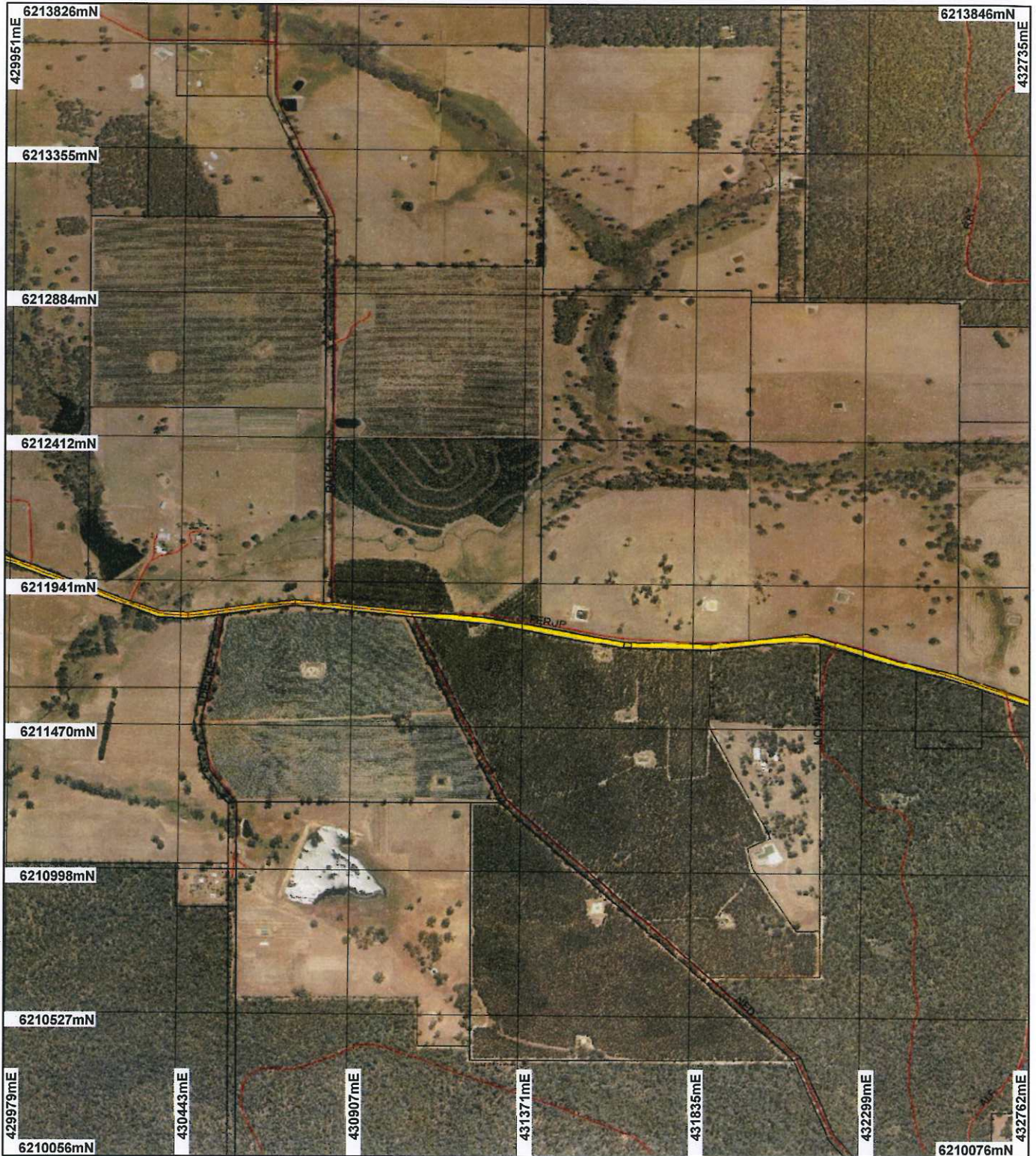


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

8 September 2011

Plan 4524/1



LEGEND

Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Cadastre



Scale 1:16571
(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.

K Faulkner Date *2/9/06*
K Faulkner

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.: 4519/1 and 4524/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Manjimup

1.3. Property details

Property: ROAD RESERVE (PERUP 6258)
ROAD RESERVE (BALBARRUP 6258)
ROAD RESERVE (NORTH WALPOLE 6398)
ROAD RESERVE (DINGUP)
Colloquial name: Bridge Road reserve and Perup Road reserve

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 8 September 2011

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
CPS 4519/1: Beard Vegetation Association 1139 - Tall forest; karri & yellow tingle (Eucalyptus guilfoyleii) (Shepherd, 2009).	Clearing permit application CPS 4519/1 proposes to clear 0.5 hectares of native vegetation for the purpose of removing hazardous trees, road reconstruction and widening. The dominant species within the application area are Eucalyptus diversicolor, Corymbia calophylla, Allocasuarina decussata, Acacia pentadenia (DEC, 2011a). Ground cover comprises of; Pteridium esculentum, Leucopogon verticillatus, Crowea angustifolia var. platyphylla, Anigozanthos flavidus and Lepidosperma effusum (DEC, 2011a). Middle storey comprises of; Hovea elliptica, Acacia pentadenia, Trymalium floribundum, Chorilaena quercifolia (DEC, 2011a).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994) To Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The condition of the vegetation under application was determined via site inspections (DEC, 2011a and DEC, 2011b) and through digital imagery (Deep River 50cm Orthomosaic - Landgate 2007 and Manjimup 50cm Orthomosaic - Landgate 2004).
CPS 4524/1: Beard Vegetation Association 3 - Medium forest; jarrah-marri (Shepherd, 2009).	Clearing Permit Application CPS 4524/1 proposes to clear 1.5 hectares of native vegetation for the purpose of removing hazardous trees and road reconstruction. The dominant species within the application area are Corymbia calophylla, Eucalyptus marginata and blackbutt (DEC, 2011b). The ground cover is dominated by bracken fern, weeds and grasses (DEC, 2011b).		

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**
The vegetation proposed to be cleared falls within Bridge Road reserve (0.5 hectares) and Perup Road reserve (1.5 hectares).

Both road reserves are adjacent to conservation reserves (Tone State Forest and Mt Frankland South National Park) and to private property.

The disturbance caused by clearing will increase the occurrence of weeds. Weed and dieback management practices will assist in mitigating the risk of weeds and pathogens spreading into the adjacent conservation reserves.

Several trees proposed to be cleared within Perup Road reserve are large mature Blackbutts and therefore there is a likelihood that they contain hollows which may provide habitat for fauna of conservation significance (DEC, 2011b). Fauna management practices will ensure that no hollow dwelling fauna are harmed during the clearing process.

Given the application areas are adjacent to large intact remnants and have been subjected to disturbances associated with the existing road it is not likely that these areas will it be necessary for the continued existence of rare or priority flora.

Both areas under application are located within the Warren Interim Biogeographic Regionalisation of Australia (IBRA) bioregion. This IBRA bioregion has approximately 80 per cent of its Pre European vegetation extent remaining (Shepherd, 2009).

The vegetation under application is mapped as Beard Vegetation Association 1139 (Bridge Road) and 3 (Perup Road) which have approximately 94 per cent and 80 per cent of their Pre European extent remaining in the Pilbara bioregion respectively (Shepherd, 2009). The local area (10km radius) surrounding both application areas is well vegetated and retains approximately 80per cent vegetation.

Considering the above, the clearing on Perup Rd (CPS 4524/1) may be at variance to principle (b), both applications may be at variance to principle (h), both are not at variance to principle (e) and both are not likely to be at variance to any of the remaining clearing principles.

Methodology References:
DEC (2011b)
Shepherd (2009)

GIS Database:
- DEC Tenure
- Geomorphic Wetlands, Augusta to Walpole
- Pre European Vegetation
- SAC Biodatasets - accessed 8 August 2011

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

Comments

The Roadside Conservation Committee (RCC, 2011) has advised that the majority of Bridge Road and Perup Road are classed as being medium-high conservation value. Clearing on one side of the road should be considered and where this is not possible engineering solutions to minimise clearing should be sought (RCC, 2011).

No public submissions have been received in relation to these applications.

The Walpole/Tingledale Land Conservation District Committee has no objection to the proposed clearing within Bridge Road (LCDC, 2011).

Methodology Reference:
LCDC (2011)
RCC (2011)

4. References

- DEC (2011a) Site Inspection Report for Clearing Permit Application CPS 4519/1, Bridge Road, North Walpole. Site inspection undertaken 22 August 2011. Department of Environment and Conservation, Western Australia (DEC Ref: A423905).
- DEC (2011b) Site Inspection Report for Clearing Permit Application CPS 4524/1, Perup Road reserve. Site inspection undertaken 24 August 2011. Department of Environment and Conservation, Western Australia (DEC Ref: A426367).
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- LCDC (2011) Walpole/Tingledale Land Conservation District Committee's advice for Clearing Permit Application CPS 4519/1, Bridge Road, North Walpole (DEC Ref: A421643).
- RCC (2011) Advice for Clearing Permit Application CPS 4519/1, Bridge Road, North Walpole. Roadside Conservation Committee, Western Australia (DEC Ref: A420518).
- 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)