



## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

|                               |                                     |
|-------------------------------|-------------------------------------|
| <b>Purpose Permit number:</b> | CPS 3976/1                          |
| <b>Permit Holder:</b>         | Shire of Manjimup                   |
| <b>Duration of Permit:</b>    | 28 November 2010 – 28 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 and realignment.

**2. Land on which clearing is to be done**

West Boundary Road reserve, Deanmill (PIN: 11260080)

**3. Area of Clearing**

The Permit Holder must not clear more than 0.13 hectares of native vegetation within the area shaded yellow on attached Plan 3976/1.

**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:

- avoid the clearing of native vegetation;
- minimise the amount of native vegetation to be cleared; and
- 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.

## PART III - RECORD KEEPING AND REPORTING

### 9. Records must 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 species composition, structure and density of the cleared area;
  - (ii) 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;
  - (iii) the date that the area was cleared; and
  - (iv) the size of the area cleared (in hectares).

### 10. 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 9 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 28 August 2015, the Permit Holder must provide to the CEO a written report of records required under condition 9 of this Permit where these records have not already been provided under condition 10(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;

*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 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*.

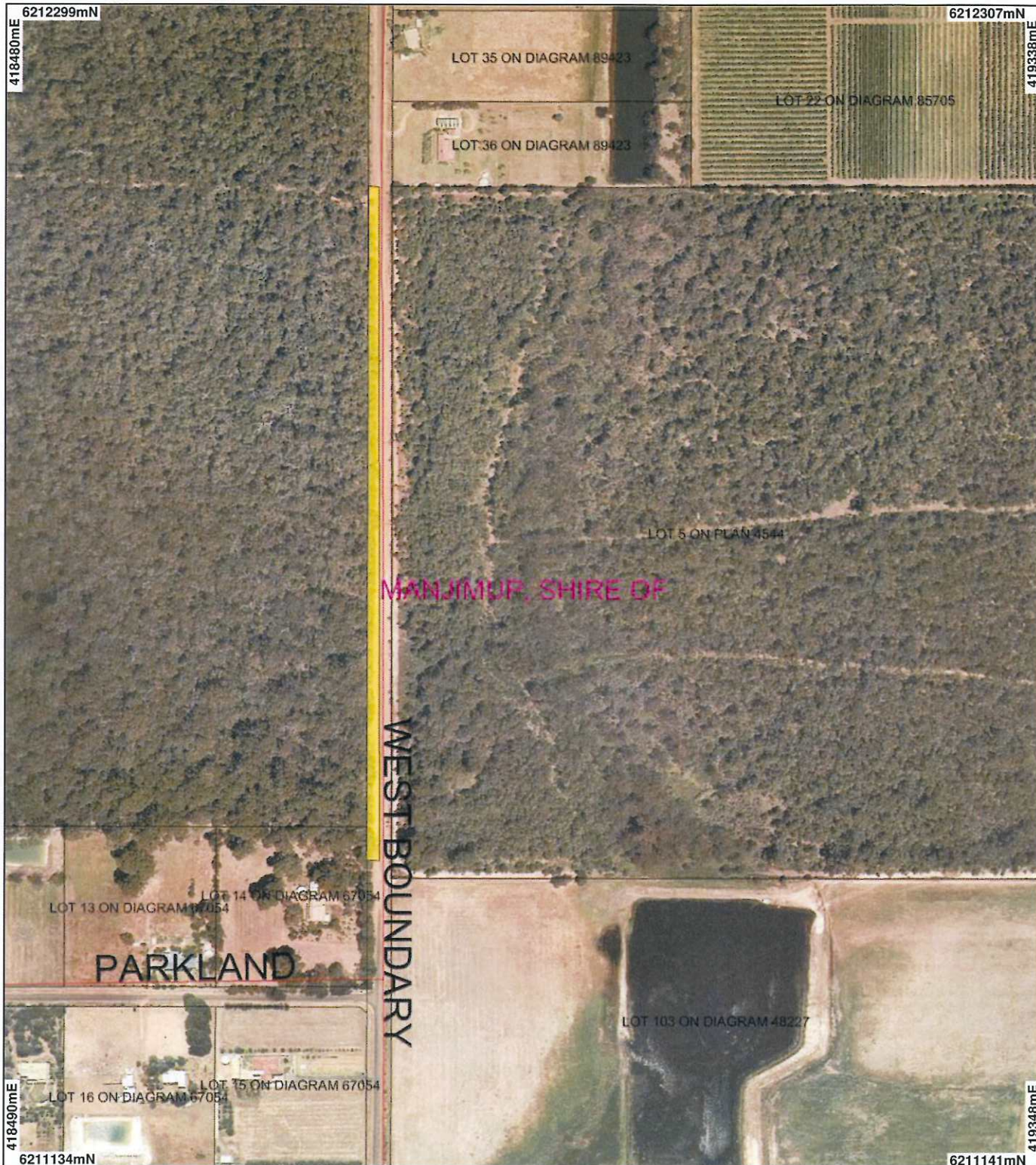


Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

28 October 2010

# Plan 3976/1



## LEGEND

- Cadastral
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities
- Manjimup 50cm Orthomosaic - Landgate 2007



Scale 1:5109  
(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* 28/10/10  
Date

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.: 3976/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Shire of Manjimup

### 1.3. Property details

Property: ROAD RESERVE ( DEANMILL 6258)  
Local Government Area: Shire of Manjimup  
Colloquial name: West Boundary Road

### 1.4. Application

| Clearing Area (ha) | No. Trees | Method of Clearing | For the purpose of:              |
|--------------------|-----------|--------------------|----------------------------------|
| 0.13               |           | 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:</p> <p>3: Medium forest; jarrah-marri (Shepherd, 2009)</p> <p>Mattiske Vegetation Complex:</p> <p>Yanmah (YN1): Mixture of tall open forest of <i>Eucalyptus diversicolor</i> and tall open forest of <i>Corymbia calophylla</i>-<i>Eucalyptus patens</i>-<i>Eucalyptus marginata</i> subsp. <i>marginata</i> over <i>Agonis flexuosa</i> and <i>Agonis juniperina</i> on valleys in perhumid and humid zones.</p> <p>Collis 1 (CO1): Open forest to tall open forest of <i>Eucalyptus marginata</i> subsp. <i>marginata</i> with some <i>Corymbia calophylla</i> on low undulating hills in perhumid and humid zones.</p> <p>Corbalup (CL1): Mosaic of open forest of <i>Eucalyptus marginata</i> subsp. <i>marginata</i>-<i>Banksia</i> spp. on well drained sites, with some <i>Eucalyptus decipiens</i> on lower slopes in southern areas, woodland of <i>Eucalyptus rudis</i>-<i>Melaleuca preissiana</i>-<i>Banksia littoralis</i> on depressions in perhumid and humid zones. (Mattiske and Havel, 1998)</p> | <p>The proposed clearing is linear and 0.13ha in size. Vegetation under application is within the West Boundary Road reserve. It is considered to be in very good (Keighery, 1994) condition and is impacted by road related disturbance. The vegetation under application is mainly regrowth vegetation and small trees. Roadside vegetation in the application area is approximately 6.5m wide.</p> | <p>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery, 1994)</p> | <p>Vegetation condition was determined from aerial imagery and photographs supplied by the applicant (Shire of Manjimup, 2010).</p> |

## 3. Assessment of application against clearing principles

### Comments

The proposal is to clear a narrow strip of up to 0.13 hectares (ha) of native vegetation from the western side of the existing West Boundary Road, Deanmill for the purpose of road realignment and reconstruction of a 700m stretch of the road. The existing road is one metre from the fenceline and 100mm from power poles on the eastern side of the road. Clearing native vegetation from the western side of the road reserve will facilitate the lateral movement of the road to the west by 3m.

The vegetation under application abuts the 85ha Faunadale Nature Reserve to the west and is opposite a 50ha remnant of high quality native vegetation on private property to the east. Roadside vegetation provides a buffer

from edge effects to surrounding vegetation. 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 (1100mm) rainfall area and is adjacent to the Faunadale Nature Reserve. Weed and dieback management conditions will minimise the risk of introduction or spread of pathogens and invasive species into the neighbouring nature reserve.

The local area (10km radius) is largely cleared and retains approximately 30% native vegetation cover. The majority of this vegetation is held in secure tenure, within the Faunadale Nature Reserve, the Jardanup, North Donnelly and Tone State Forests and other miscellaneous reserves in the local area. The vegetation under application is mapped within Beard 3 vegetation association, which retains approximately 84% of its pre-European extent within the Shire of Manjimup, with 93% of this current extent held in DEC tenure (Shepherd, 2009). In addition, Beard vegetation association 3 is well represented in conservation reserves in the local area.

There are numerous records of threatened and priority fauna in the local area, however the vegetation under application is not likely to be significant as habitat for these species. Forest Red-tailed black cockatoo (*Calyptorhynchus banksii naso*) (Vulnerable, Wildlife Conservation Act 1950; Vulnerable, Environmental Protection and Biodiversity Conservation Act 1999) and Baudin's black cockatoo, (*Calyptorhynchus baudinii*) (Endangered, Wildlife Conservation Act 1950; Vulnerable, Environmental Protection and Biodiversity Conservation Act 1999) have been recorded 700m and 2.1km from the application area, respectively. The vegetation under application is unlikely to be significant as habitat for these protected species as it is a small (0.13ha) area of regrowth vegetation and consists mostly of smaller trees, with no visual evidence of nesting hollows being currently used by native avifauna.

There are records of three rare flora species within 10km of the application area, however the vegetation under application does not provide suitable habitat for *Caladenia christineae* or *Caladenia harringtoniae* and is unlikely to support populations of *Andersonia annelsii* (Western Australian Herbarium, 1998-).

There are no known watercourses in the vicinity of the application area and the proposed clearing is unlikely to cause appreciable land degradation, impact on water quality or increase the incidence or intensity of flooding.

Given the above, the proposed clearing is not likely to be at variance with the clearing Principles.

#### Methodology

##### References:

Shepherd (2009)  
Western Australian Herbarium (1998-)

##### GIS Databases:

- ANCA, Wetlands - 26/03/99
- 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
- Manjimup 50cm Orthomosaic - Landgate 2007
- Rainfall, Mean Annual - BOM 30/09/01
- Pre-European vegetation - DA 01/01
- RAMSAR, Wetlands - 15/10/09
- SAC Biodatasets - 21/10/10
- Soils, Statewide - 30/11/99
- Topographic Contours, Statewide - DOLA 12/09/02

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

##### Comments

The Roadside Conservation Committee (RCC) have advised that they accept the Shire's need to conduct the planned roadwork on the western side of the road formation, due to the close proximity of roadside furniture to the eastern side of the roadway (RCC, 2010). The RCC noted that threatened cockatoo species are known from the area and that any proposal to clear hollow bearing trees would not be favourable. This has been addressed in principle (b).

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

##### Methodology

##### References:

RCC (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
- Public Drinking Water Source Areas (PDWSAs) - 07/02/06
- Town Planning Scheme Zones - MFP 31/08/98

#### 4. References

- 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 (2010) Roadside Conservation Value Advice. Roadside Conservation Committee. DEC Ref: A339594
- 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.
- Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Environment and Conservation. Accessed 20/09/10 Available from <http://florabase.dec.wa.gov.au/>

#### 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)                    |