



## **CLEARING PERMIT**

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

<b>Purpose Permit number:</b>	CPS 3815/1
<b>Permit Holder:</b>	Shire of Mundaring
<b>Duration of Permit:</b>	26 September 2010 – 26 September 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 construction and maintenance.

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

William Road road reserve (Mount Helena 6082), PIN 11464091

Samuel Street road reserve (Mount Helena 6082), PIN 11464089

**3. Area of Clearing**

The Permit Holder must not clear more than 1.28 hectare of native vegetation within the area hatched yellow on attached Plan 3815/1.

**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:

- (a) avoid the clearing of native vegetation;
- (b) minimise the amount of native vegetation to be cleared; and
- (c) reduce the impact of clearing on any environmental value.

## 8. 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.

## 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*.



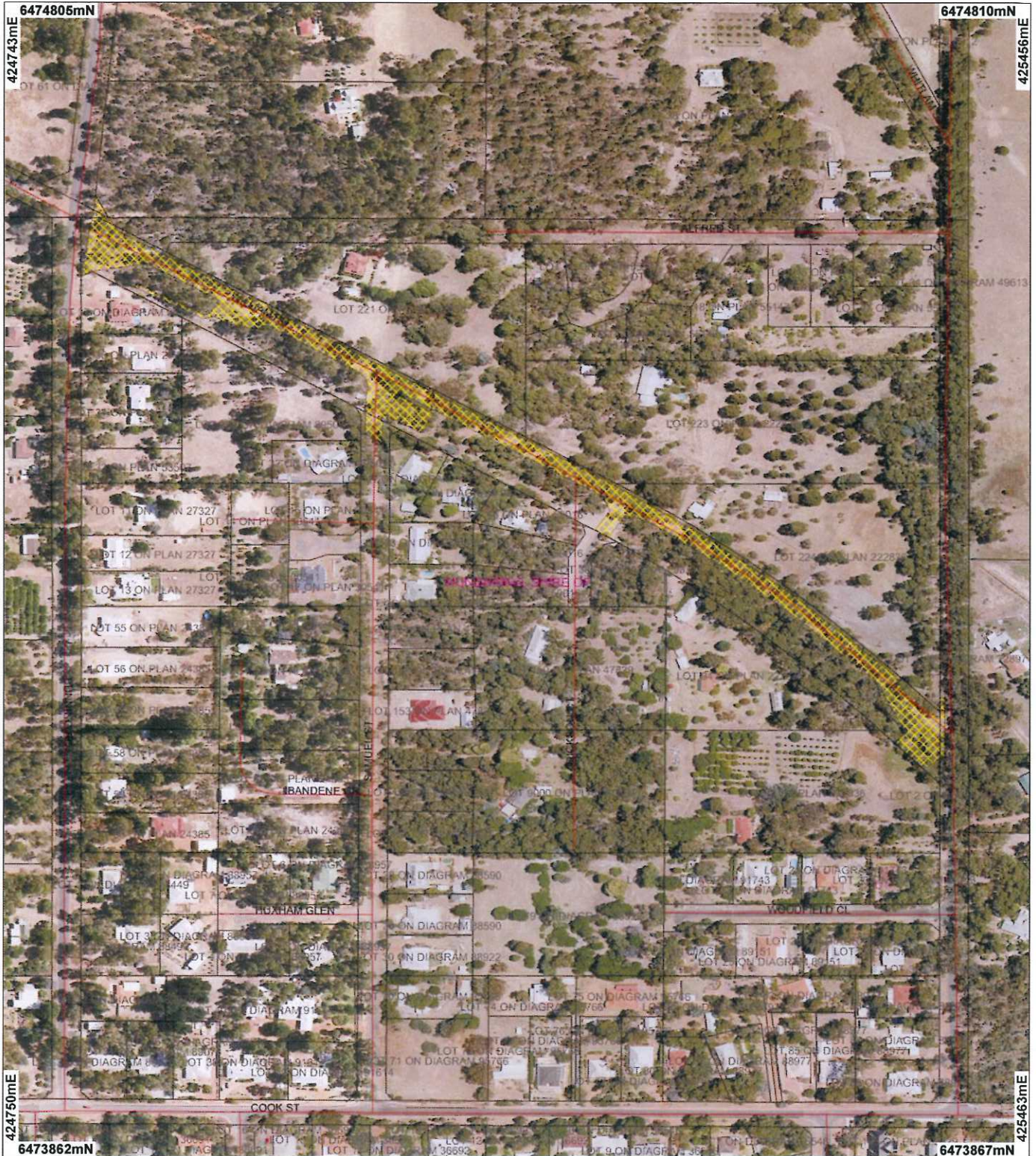
Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

26 August 2010



# Plan 3815/1



## LEGEND

### Clearing Instruments

- Areas Approved to Clear
- Road Centrelines



0  ~125 m

Scale 1:4173

(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.

*[Signature]* Date 26/8/10

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.: 3815/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Shire of Mundaring

### 1.3. Property details

Property: ROAD RESERVE ( MOUNT HELENA 6082)  
ROAD RESERVE ( MOUNT HELENA 6082)

Local Government Area:

Colloquial name: William Road and Samuel Street road reserves

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.28		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
Mapped Beard (1980) Vegetation Association 3 described as a medium forest of Eucalyptus marginata-Corymbia calophylla.	The proposal is to clear 1.28 ha of native vegetation in the road reserves of William Road and Samuel Street, Mount Helena, for the purpose of constructing a sealed urban standard road which includes kerbing, drainage and footpath (Shire of Mundaring, 2010). The vegetation of the area under application between Bunning Road and Dickson Place is described as being in excellent (Keighery 1994) condition and comprises a forest of Eucalyptus marginata-Corymbia calophylla with scattered Allocasuarina huegeliana. The mid-storey is dominated by Banksia sessilis and there is a diverse understorey which includes Acacia pulchella, Drosera sp., Hakea lissocarpa, Hovea chorizemifolia, Hypocalymma angustifolium, Lomandra sp., Stylidium sp., Xanthorrhoea preissii and native sedges.	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The vegetation condition description was obtained during a visit to the proposed area on 29 July 2010 (DEC 2010).
Mapped Mattiske & Havel (1998) Vegetation Complex Dwellingup described as open forest of Eucalyptus marginata subsp. marginata-Corymbia calophylla on lateritic uplands in subhumid and semiarid zones.			
As above	The vegetation of the area under application between Dickson Place and Alison Street is described as being in good (Keighery 1994) condition and comprises a forest of Eucalyptus marginata-Corymbia calophylla over native shrubs and weed species which include Acacia iteaphylla, Chamaecytisus palmensis, Cynodon dactylon, Freesia alba x leichtlinii, Hypochaeris sp., Opuntia stricta, Oxalis purpurea, and Watsonia meriana var. bulbillifera.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	As above

## 3. Assessment of application against clearing principles

### Comments

The vegetation under application between Bunning Road and Dickson Place is considered to be in excellent (Keighery, 1994) condition, consisting of a forest of Eucalyptus marginata-Corymbia calophylla with scattered Allocasuarina huegeliana and the area. There is a diverse understorey which includes Acacia pulchella, Banksia sessilis, Drosera sp., Hakea lissocarpa, Hovea chorizemifolia, Hypocalymma angustifolium, Lomandra sp., Stylidium sp., Xanthorrhoea preissii and native sedges (Western Australian Herbarium (1998-).

Between Dickson Place and Alison Street the vegetation under application is described as being in good (Keighery 1994) condition and comprises a forest of Eucalyptus marginata-Corymbia calophylla over native shrubs and weed species which include Acacia iteaphylla, Chamaecytisus palmensis, Cynodon dactylon, Freesia alba x leichtlinii, Hypochaeris sp., Opuntia stricta, Oxalis purpurea, and Watsonia meriana var.

bulbillifera.

The area under application is mapped as consisting of Beard vegetation association 3 of which 69.35% remains in the Jarrah Forest IBRA Bioregion (Shepherd 2009), and Mattiske vegetation complex Dwellingup D2, of which 85.53% remains within the State (Mattiske and Havel, 1998).

Given the size of the area under application (1.28 ha) and that there will be approximately 50% native vegetation still remaining within the road reserve after clearing, the proposed clearing is not likely to impact on biodiversity values, water quality or cause appreciable land degradation.

Therefore, the proposed clearing is not likely to be at variance to the clearing principles.

<b>Methodology</b>	<b>References</b>
	<ul style="list-style-type: none"><li>- Keighery (1994)</li><li>- Mattiske and Havel (1998)</li><li>- Shepherd (2009)</li><li>- Western Australian Herbarium (1998-)</li></ul>
	<b>GIS Datasets</b>
	<ul style="list-style-type: none"><li>- Soils, Statewide DA</li><li>- Mattiske vegetation complexes (1998)</li><li>- SAC Bio Datasets (22/07/10)</li></ul>

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

<b>Comments</b>	The proposal is to clear 1.28 ha for the purpose of road construction or maintenance. The works are included in the Shire of Mundaring's works program for 2010/11 (Shire of Mundaring 2010).
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<b>Methodology</b>	<b>References</b>
	<ul style="list-style-type: none"><li>- Shire of Mundaring (2010)</li><li>- Western Australian Herbarium (1998-)</li></ul>
	<b>GIS Datasets</b>
	<ul style="list-style-type: none"><li>- Soils, Statewide DA</li><li>- Mattiske vegetation complexes (1998)</li><li>- SAC Bio Datasets (22/07/10)</li></ul>

#### **4. References**

- DEC (2010) Site Inspection Report for Clearing Permit Application CPS 3815/1, William Road and Samuel Street road reserves, Mount Helena. Site inspection undertaken 29/07/2010. Department of Environment and Conservation, Western Australia (DEC Ref. A322934).
- 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. (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.
- Shire of Mundaring (2010) supporting documentation with Application for Clearing Permit (DEC Ref: A312827).
- Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> (Accessed 30/07/2010).

#### **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)