



## **CLEARING PERMIT**

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

### **PERMIT DETAILS**

Area Permit Number: CPS 6719/1  
File Number: 2011/006903  
Duration of Permit: From 12 December 2015 to 12 December 2020

### **PERMIT HOLDER**

Shire of Waroona

### **LAND ON WHICH CLEARING IS TO BE DONE**

Hainge Road reserve (PIN 1373450) Hamel

### **AUTHORISED ACTIVITY**

The Permit Holder must not clear more than 0.2 hectares of native vegetation within the areas cross-hatched yellow on attached Plan 6719/1.

### **CONDITIONS**

Nil

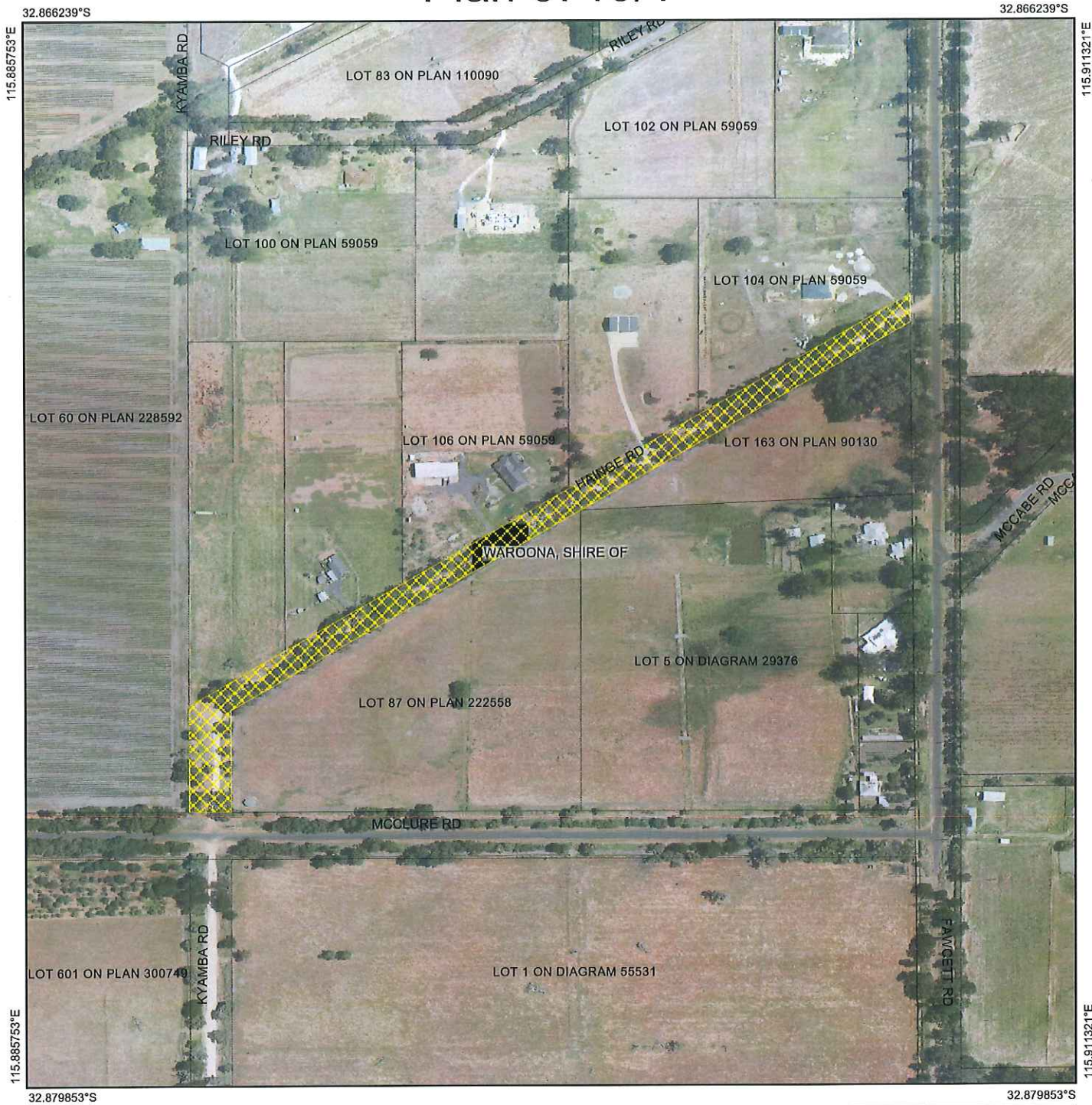
A handwritten signature in black ink, appearing to read "mwarnock", written over a horizontal line.

Matt Warnock  
SENIOR MANAGER  
CLEARING REGULATION

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

12 November 2015

# Plan 6719/1



## Legend

-  Cadastre (Search)
-  Local Government Authority
-  Roads
-  Cadastre
-  Imagery
-  Clearing Instruments Activities



1:4,000

(Approximate when reproduced at A4)  
GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

*M Warnock* Date 12/11/15

M Warnock

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986



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## 1. Application details

### 1.1. Permit application details

Permit application No.: 6719/1  
Permit type: Purpose Permit

### 1.2. Applicant details

Applicant's name: Shire of Waroona

### 1.3. Property details

Property: ROAD RESERVE - 1373450, HAMEL  
Colloquial name: WAROONA, SHIRE OF  
Local Government Authority:  
DER Region: Greater Swan  
DPaW District: SWAN COASTAL  
LCDC: HARVEY RIVER  
Localities: HAMEL

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.2	0	Mechanical Removal	Road construction or upgrades

### 1.5. Decision on application

Decision on Permit: Granted  
Application:  
Decision Date: 12 November 2015

## 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>The vegetation under application is mapped as:</p> <ul style="list-style-type: none"> <li>Beard vegetation association 968 which is described as medium woodland; jarrah, marri and wandoo (Shepherd et al, 2001); and</li> <li>Heddle Vegetation Dardanup Complex which is described as a mosaic of vegetation types characteristic of adjacent vegetation complexes such as Serpentine – River, Southern River and Guildford (Heddle et al, 1980).</li> </ul>	<p>The Shire of Waroona has applied for a Purpose Permit to clear 0.2 hectares for the purpose of road maintenance including drainage upgrades.</p>	<p>Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994).</p>	<p>The condition of the vegetation under application was determined via a Department of Environment Regulation site inspection undertaken 14 October 2015 (DER, 2015).</p>

## 3. Assessment of application against clearing principles

**Comments** The proposed clearing consists of 0.2 hectares within Hainge Road reserve (PIN 1373450) Hamel, for the purpose of road maintenance including drainage upgrades and is unlikely to have any significant environmental impacts. The vegetation is considered to be in a degraded (Keighery, 1994) condition (DER, 2015). The north eastern end of the application area is heavily infested with weeds, and the western end of the application area has been cleared historically and is almost completely devoid of native species (DER, 2015). The highly invasive species *Watsonia meriana* var. *bulbillifera* dominates the understorey and the invasive *Acacia decurrens* is present throughout the mid and overstorey.

Two hollow-bearing trees were identified during a site visit; however no signs of recent use by black cockatoos were observed (DER, 2015). No evidence of flora of conservation significance were identified during a site visit by Shire of Waroona (Shire of Waroona, 2015).

Given the condition of vegetation, lack of understorey species and extent of native vegetation in the local area, the vegetation under application is not likely to impact on rare or priority flora, a priority or threatened ecological community, conservation reserves within the local area or significant fauna habitat and is not likely to be classified as clearing a significant remnant within a highly cleared landscape or an area of high biodiversity.

The application area is mapped within a multiple use wetland. Given the condition of the vegetation, invasive weeds present and as road infrastructure is already in place, the proposed clearing is not likely to significantly impact on riparian vegetation or the functioning of this wetland.

Given the degraded (Keighery, 1994) condition, linear nature and relatively small application area, clearing the vegetation under application is not likely to contribute to or cause land degradation, deteriorate the quality of groundwater or surface water and is not likely to exacerbate flooding.

Given the above, clearing the vegetation under application is at variance to Principle (f) and is not likely to be at variance to the remaining clearing Principles.

#### Methodology

##### References:

DER (2015)  
Keighery, B.J. (1994)  
Shire of Waroona (2015)

##### GIS databases:

SAC Biodata sets accessed October 2015  
Hydrography linear  
Parks and Wildlife tenure  
NWLRA, Extent of Native Vegetation  
Geomorphic Wetlands (Classification) Swan Coastal Plain

#### Planning instruments and other relevant matters.

##### Comments

The proposed clearing consists of 0.2 hectares within Hainge Road reserve (PIN 1373450), Hamel for the purpose of road maintenance and drainage upgrades.

The application area is zoned Rural – Irrigated agriculture under the Town Planning Scheme Zone.

One Aboriginal Site of Significance is mapped within the application area. It is the applicant's responsibility to ensure that they comply with their responsibilities under the Aboriginal Heritage Act 1972.

One submission was received from the Roadside Conservation Committee (RCC) with recommendations to limit potential impacts by marking areas to be cleared, pruning branches rather than removing whole trees where possible, avoiding excessive disturbance of soil to avoid an increase in the germination of weeds, spoil from drains should be directed towards the road and removed, avoid working when the soil is wet to prevent the spread of dieback and avoid excessive damage to the surrounding vegetation by felling trees (if necessary) in areas that will minimise damage (RCC, 2015).

##### Methodology

##### References:

RCC (2015)

##### GIS databases:

-Town Planning Scheme Zones  
-Aboriginal sites of significance

#### 4. References

- DER (2015) Site Inspection Report for Clearing Permit Application CPS 6719/1. Site inspection undertaken 14 October 2015. Department of Environment Regulation, Western Australia (Ref. A1002877).
- Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- RCC (2015) Roadside Conservation Commission comments for Clearing Permit Application CPS 6719/1. Ref (A973068).
- Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.
- Shire of Waroona (2015) Shire of Waroona Clearing Permit Application and supporting documentation (Ref. A955140)