



## **CLEARING PERMIT**

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

### **PERMIT DETAILS**

Area Permit Number: 5661/1

File Number: 2013/003639-1

Duration of Permit: From 7 September 2013 to 7 September 2014

### **PERMIT HOLDER**

Mr David Vanderkolk

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

Lot 819 on Deposited Plan 59976 (Muchea)

### **AUTHORISED ACTIVITY**

The Permit Holder shall not clear more than 0.014 hectares of native vegetation within the area shaded yellow on attached Plan 5661/1.

### **CONDITIONS**

Nil.

A handwritten signature in cursive script, appearing to read "M Warnock", written over a horizontal line.

M Warnock  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

8 August 2013

# Plan 5661/1



## LEGEND

### Clearing Instruments

- Areas Approved to Clear
- Cadastre
- Perth Metropolitan Area
- North 15cm Orthomosaic - Landgate 2012



Scale 1:1188  
(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.

*M Warnock* Date 8/8/13

M Warnock  
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.



Government of Western Australia  
Department of Environment Regulation

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Department of Environment Regulation

## 1. Application details

### 1.1. Permit application details

Permit application No.: 5661/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: David Luke Vanderkolk

### 1.3. Property details

Property: LOT 819 ON PLAN 59976 (House No. 2 HASLAM MUCHEA 6501)  
Local Government Area: Shire of Chittering  
Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.014		Mechanical Removal	Fence Line Firebreak

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 8 August

## 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
Beard Vegetation Association 949: Low woodland; banksia (Shepherd et al, 2001)	The application is to clear 0.014 hectares of native vegetation within Lot 819 on Deposited Plan 59976, Muchea, for the purpose of constructing a fence line and firebreak.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The required clearing is over a linear distance of 175 metres with the vegetation under application in a completely degraded to good (Keighery, 1994) condition.
		To	The clearing area has been subject to past disturbances from a subdivision granted over the property and surrounding areas.
		Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The condition of the vegetation under application was obtained via aerial imagery (Perth Metropolitan Area North 15cm Orthomosaic - Landgate 2004).

## 3. Assessment of application against clearing principles

### Comments

The application is to clear 0.014 hectares of native vegetation over a linear distance of 175 metres for the purpose of constructing a fence line and firebreak within the town site of Muchea. The clearing area has been subject to past disturbances from a recent subdivision granted over the property and surrounding areas. The vegetation under application is in a completely degraded to good (Keighery, 1994) condition.

Six priority and one rare flora species have been recorded within five kilometres of the area under application. Given the linear nature and small size of the clearing it is unlikely to impact on priority and rare flora. The recorded rare flora has been mapped within a different vegetation association to that recorded within the applied area. There are two threatened ecological communities (TEC) mapped within five kilometres of the applied area, however the vegetation under application is not a representation of the TEC's nor is it associated with them.

Given the clearing consists of 0.014 hectares over a linear distance of 175 metres, it is unlikely the vegetation comprises of significant fauna habitat. The area under application is not within an extensively cleared landscape, with approximately 55 per cent of pre-European vegetation remaining in the local area (5 kilometres), therefore the vegetation under application is not significant as a remnant in an extensively cleared landscape.

The closest conservation area to the application is an unnamed nature reserve mapped approximately 2.7 kilometres away. Considering the distance from the clearing area to the nature reserve, the proposed clearing is unlikely to impact on the environmental values of this reserve.

An unnamed Conservation Category Wetland (CCW) is approximately 40 metres north of the applied area. The CCW comprises of an area of approximately 0.63 hectares however approximately 35 percent of the wetland is no longer intact as a road and associated tracks have been constructed within it. Approximately 35 metres of the area under application is within the CCW buffer however, giving the size and linear natures of the clearing and that the wetland has already been impacted upon, it is not likely the application will impact on the nearby wetland.

Taking into consideration of the small size of the clearing, the application is unlikely to contain a high level of biodiversity, significant fauna habitat, or cause or exacerbate land degradation, flooding or impact on water quality.

The assessment of the application identified that the clearing is not likely to be at variance to any of the clearing principles.

#### Methodology

#### References

- Keighery (1994)
- GIS Databases
- DEC Tenure
- Hydrogeology, Statewide
- Pre-European vegetation
- SAC Biodatasets accessed the June 2013

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

#### Comments

The property under application is associated to a subdivision approval. The envelope of the subdivision approval does not include the application area.

#### Methodology

### 4. References

- Government of Western Australia. (2013). 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. 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)