



## CLEARING PERMIT

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

### PERMIT DETAILS

Area Permit Number: 5667/1  
File Number: 2012/002236-1  
Duration of Permit: 24 August 2013 to 24 August 2015

### PERMIT HOLDER

Fire and Emergency Services Ministerial Body

### LAND ON WHICH CLEARING IS TO BE DONE

Lot 10261 on Plan 215367 (FORRESTFIELD, 6058)

### AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.04 hectares of native vegetation within the areas hatched yellow on attached Plan 5667/1.

### 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) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) 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 any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

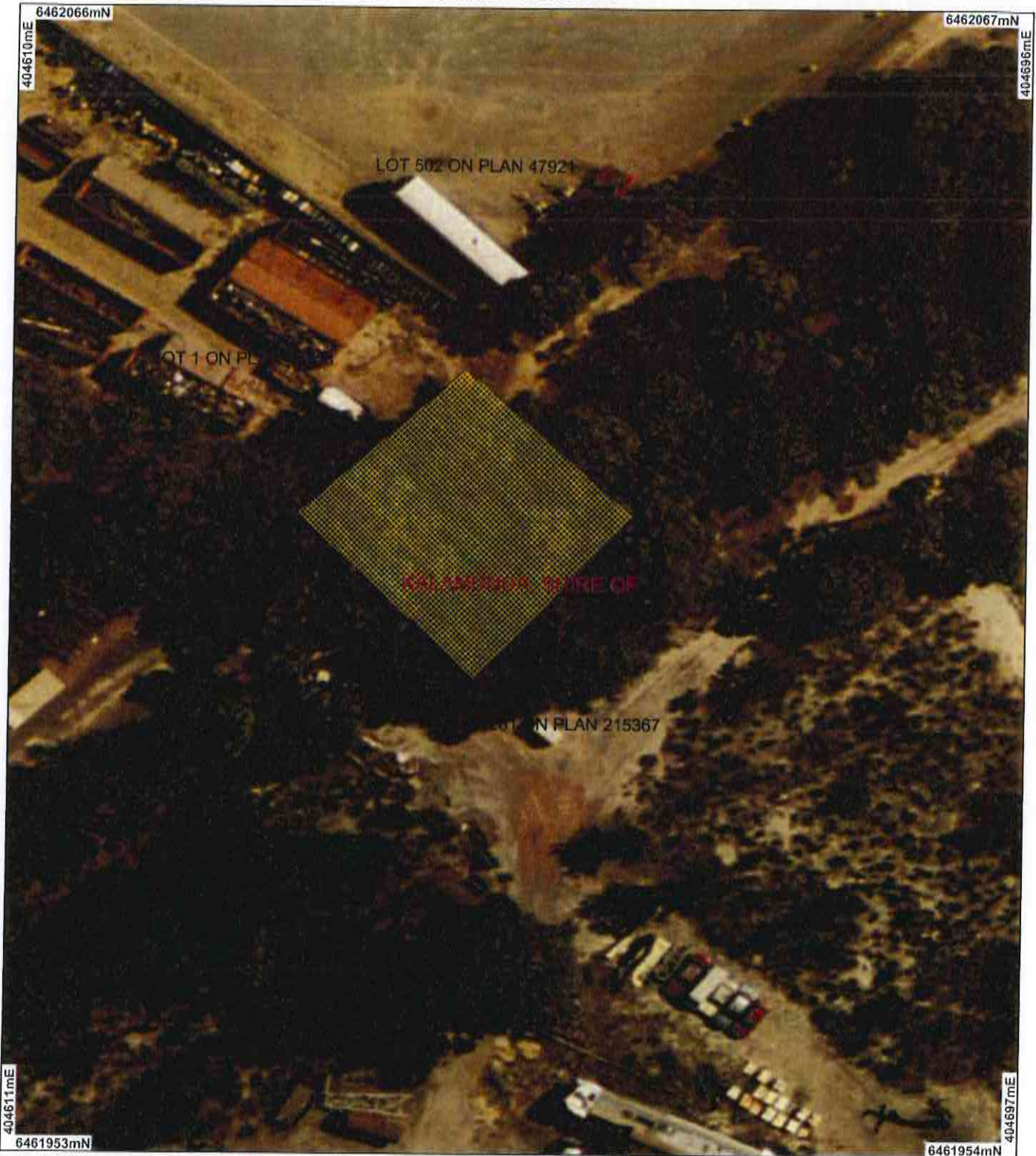
A handwritten signature in cursive script, appearing to read "M Warnock".

M Warnock  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

25 July 2013

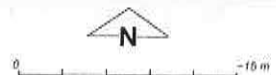
# Plan 5667/1



## LEGEND

- Cadastre for labeling  
Local Government  
Authorities
- Road Centrelines  
Clearing Instruments
- Areas Approved to Clear

Perth Metropolitan Area  
Central 15cm Orthomosaic -  
Landgate 2012



Scale 1:500

(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 25/7/13

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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# Clearing Permit Decision Report

Government of Western Australia  
Department of Environment Regulation

## 1. Application details

### 1.1. Permit application details

Permit application No.: 5667/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Fire and Emergency Services Ministerial Body

### 1.3. Property details

Property: LOT 10261 ON PLAN 215367 (House No. 547 DUNDAS FORRESTFIELD 6058)  
Local Government Area: Shire of Kalamunda  
Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.04		Mechanical Removal	Drainage

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 25 July 2013

## 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: 1001: Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina (Shepherd et al., 2001).	The proposed clearing of 0.04 hectares within Lot 10261 on Deposited Plan 215367 is for the purpose of installing drainage infrastructure within Crumpet Creek. The clearing will provide Western Australia Fire and Emergency Services (FESA) with a firebreak on Lot 10261 (FESA, 2013).	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 1994).  To  Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994).	The vegetation condition and description was determined from photographs supplied by the FESA (2013), aerial photography (Perth Metropolitan Area Central 15cm Orthomosaic - Landgate 2012).
Hedde vegetation complex: Southern River Complex: Open woodland of <i>Corymbia calophylla</i> (Marri) - <i>Eucalyptus marginata</i> (Jarrah) - <i>Banksia</i> species with fringing woodland of <i>Eucalyptus rudis</i> (Flooded Gum) - <i>Melaleuca raphiophylla</i> (Swamp Paperbark) along creek beds (Hedde et al., 1980).	The vegetation proposed to be cleared is in a good to degraded (Keighery, 1994) condition consisting of <i>Eucalyptus</i> species and grasses as understorey. On the western side, the proposed clearing is situated adjacent to a firebreak and an electric fence (FESA, 2013).		

## 3. Assessment of application against clearing principles

### Comments

The Department of Fire and Emergency Services Western Australia has applied to clear up to 0.04 hectares of native vegetation for the installation of drainage infrastructure within Crumpet Creek. The vegetation is considered to be in a good to degraded (Keighery, 1994) condition and consists of eucalyptus species and grasses as understorey (FESA, 2013).

The local area (10 kilometre radius) is approximately 30 per cent vegetated and the vegetation in the application area belongs to mapped Beard Vegetation Association 1001 (Shepherd et al., 2001) and Hedde Complex Southern River Complex of which there are 25 per cent and 19 per cent remaining (Shepherd, 2007; Government of Western Australia, 2013).

There are numerous records of flora of conservation significance in the local area and the proposed area is mapped within a threatened ecological community (TEC). Given the relatively small amount of clearing (0.04 hectares) proposed and the extent of similar habitat in the surrounding area, the proposed clearing is unlikely to impact upon conservation significant flora or upon the mapped TEC.

The proposed clearing is within Bush Forever site 319. The proposed clearing may impact the environmental values of this conservation area through the introduction or spread of weeds and dieback. Weed and dieback management measures will minimise this impact.

The north end of the application area intersects a major drain. Due to the small size of the application area (0.04 hectares) the proposed clearing is unlikely to result in significant impacts to water quality, however the application area may contain vegetation growing in association with this drain. It is also unlikely to increase the incidence or intensity of flooding or cause appreciable land degradation.

Given the above, the proposed clearing is may be at variance to principles (f) and (h) and is not likely to be at variance with the remaining principles.

**Methodology**

References

- FESA (2013)
- Keighery (1994)
- Government of Western Australia (2013)
- Shepherd (2007)

GIS databases:

- DER Managed Lands
- Perth Metropolitan Area Central 15cm Orthomosaic - Landgate 2012
- Heddl Vegetation Complexes
- Hydrography, linear
- NWLRA, Extent of Native Vegetation
- Pre-European vegetation
- SAC Bio datasets (Accessed 1 July 2013)

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

**Comments**

The clearing of 0.04 hectares is for the purpose of installing drainage infrastructure.

The Shire of Kalamunda has approved the piping development of Crumpet Creek through Lot 10261 (FESA, 2013).

Lot 10261 is zoned parks and recreation under the Metropolitan Regional Scheme.

No submissions from the public have been received.

There are no Aboriginal sites of significance mapped within the application area.

**Methodology**

References

- FESA (2013)

GIS databases:

- Aboriginal Sites of Significance
- Town Planning Scheme Zones

#### 4. References

- FESA (2013) CPS 5667/1 Application form and supporting documents for clearing application. Lot 10261 on Deposited Plan 215367, Forrestfield. DER Ref. A643496.
- 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.
- Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In 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.
- Shepherd, D.P. (2007) 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.
- 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)