



## CLEARING PERMIT

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

### PERMIT DETAILS

Area Permit Number: 5562/1  
File Number: 2013/001840-1  
Duration of Permit: From 21 June 2013 to 21 June 2015

### PERMIT HOLDER

Brendon David Joyce  
Jodie Marie Joyce

### LAND ON WHICH CLEARING IS TO BE DONE

Lot 27 on Deposited Plan 24365 (CUNDINUP 6275)

### AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.3 hectares of native vegetation within the area hatched yellow on attached Plan 5562/1.

### CONDITIONS

#### 1. 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.

#### 2. 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.

#### 3. Fauna management

The Permit holder shall ensure that no clearing of *habitat trees* occurs within a 5 metre radius of GPS point 387639 E, 6245888 N, hatched red on attached Plan 5562/1.

## 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;

**habitat tree(s)** means trees that have a diameter, measured at 1.5 metres from the base of the tree, of 50 centimetres or greater, that contains or has the potential to develop hollows or roosts suitable for native fauna;

**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.

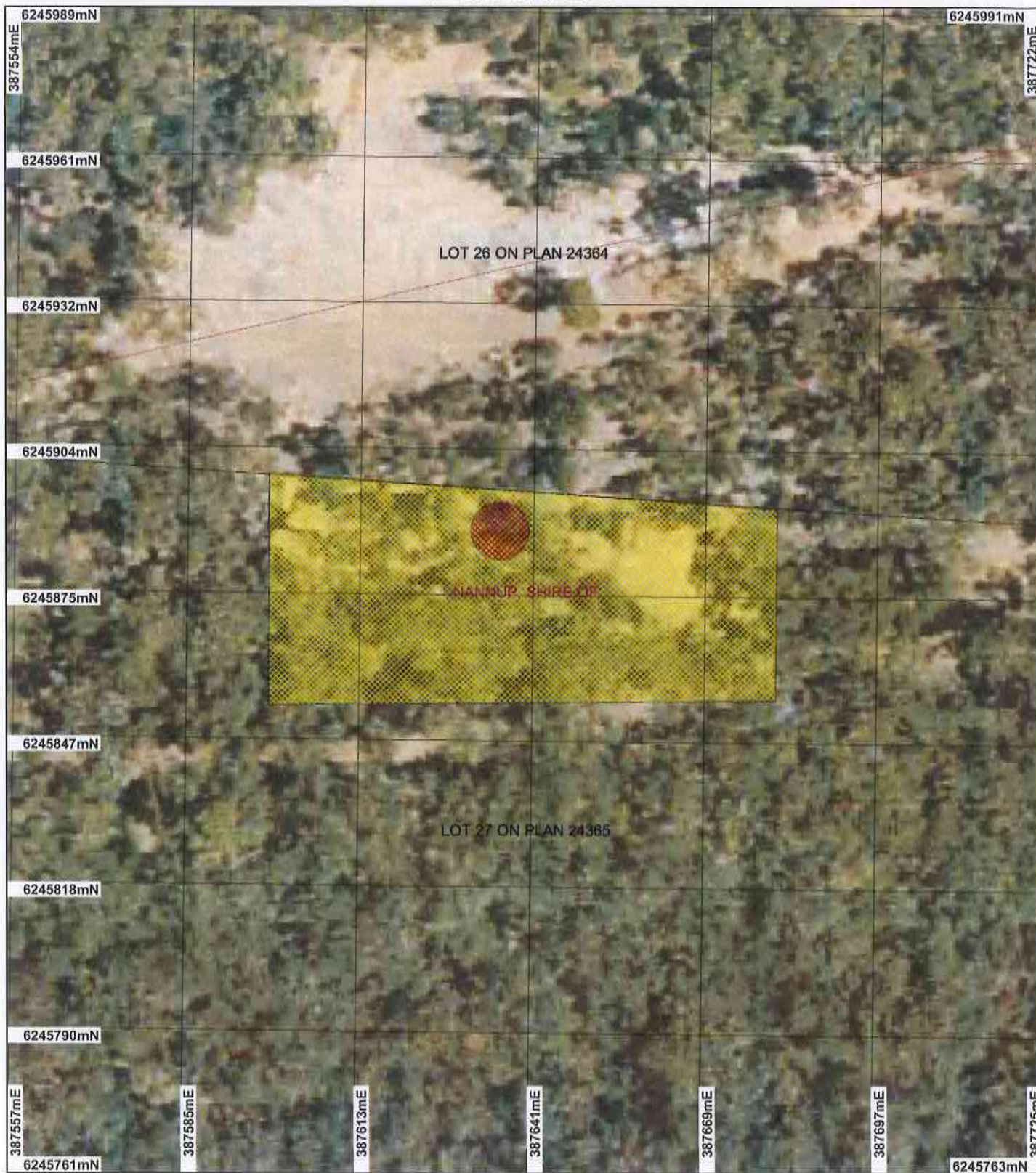


M Warnock  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

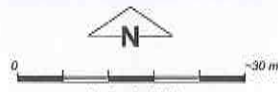
30 May 2013

# Plan 5562/1



## LEGEND

- |                             |   |
|-----------------------------|---|
| <b>Clearing instruments</b> | <input type="checkbox"/> Local Government Authorities |
| Areas Subject to Conditions | <b>Donnybrook 50cm Orthomosaic - Landgate 2004</b>    |
| Areas Approved to Clear     |   |
| Road Centrelines            |   |
| Cadastre                    |   |
| Cadastre for labelling      |   |



Scale 1:1000  
(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 30/5/13

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.



\* Project Data. This data has not been quality assured. Please contact map author for details.



## 1. Application details

### 1.1. Permit application details

Permit application No.: 5562/1

Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Brendon David and Jodie Marie Joyce

### 1.3. Property details

Property: LOT 27 ON DEPOSITED PLAN 24365 (CUNDINUP 6275)

Local Government Area: Shire of Nannup

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.3		Mechanical Removal	Dam construction or maintenance

### 1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 30 May 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
<p>Mapped Beard Vegetation Association 999 is described as medium woodland; marri (Shepherd et al 2001).</p>	<p>The application is to clear 0.3 hectares of native vegetation for the purpose of constructing a dam.</p>	<p>Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)</p>	<p>The condition and description of the vegetation has been determined by a Department of Environment and Conservation site visit on 9 May 2013 (DEC 2013) and aerial imagery (Donnybrook 50cm Orthomosaic - Landgate 2004).</p>
<p>Mapped Heddle Vegetation Complex 28 (Darling Scarp Complex) is described as low open woodland to lichens according to depth of soils. Woodland components chiefly Eucalyptus wandoo (Wandoo) with Eucalyptus laellae (Darling Range Ghost Gum) in the north, Corymbia haematoxylon (Mountain Marri) in the south, and Corymbia calophylla (Marri) throughout the region (Heddle et al 1980).</p>	<p>The area under application partly includes a small, old gravel pit containing a number of pine trees, some of which have been cut down (DEC 2013). The vegetation within and immediately north of the gravel pit is in a degraded (Keighery 1994) condition with ground disturbance and minimal understorey. The vegetation to the west of the gravel pit is in good to very good (Keighery 1994) condition and consists of Corymbia calophylla and Eucalyptus marginata over Banksia grandis, Persoonia longifolia, Acacia pulchella, Xanthorrhoea preissii, Macrozamia ridlei, Leucopogon verticillatus, Pteridium esculentum and a range of small herbs (DEC 2013).</p>	<p>To</p> <p>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994).</p>	
<p>Mapped Mattiske Vegetation Complex WS2 is described as tall open forest of Eucalyptus marginata subsp. marginata-Corymbia calophylla-Banksia grandis with some Allocasuarina fraseriana on lower escarpment in hyperhumid to humid zones (Mattiske and Havel 1998).</p>			

## 3. Assessment of application against clearing principles

### Comments

The application is to clear 0.3 hectares of native vegetation for the purpose of constructing a dam. The vegetation proposed to be cleared is in degraded to very good (Keighery 1994) condition.

The area under application is surrounded by vegetation remnants in equal or better condition. The Shire of Nannup retains approximately 84 per cent of original vegetation extent, with 91 per cent of this being protected in conservation estates (Government of Western Australia 2011). The local area (10 kilometre radius) retains approximately 70 per cent of original extent (Government of Western Australia 2011). The area under application occurs within the Jarrah Forest IBRA Bioregion which retains approximately 55 per cent of original vegetation extent (Government of Western Australia 2011).

The area under application does not constitute an ecological linkage and the proposed clearing is unlikely to compromise the integrity of the surrounding vegetation, provided appropriate weed and dieback management measures are adhered to. The area under application is not likely to contain high biodiversity values in comparison with vegetation remnants in the local area and is not likely to be significant as a remnant.

The area under application may contain suitable foraging habitat for Carnaby's cockatoo (*Calyptorhynchus latirostris*) and Baudin's black cockatoo (*Calyptorhynchus baudinii*) (DEC 2013). There is one hollow-bearing *Eucalyptus marginata* tree which may be suitable breeding habitat for these species and a few potentially hollow-bearing trees (DEC 2013). The area under application occurs within 10 kilometres of the Jalbarragup Important Bird Area for Carnaby's and Baudin's black cockatoos (DEC 2013). The impact of the proposed clearing on these species and any other fauna species is likely to be minimal, considering the small size of the area to be cleared (0.3 hectares) and the extent of the vegetation remaining in the surrounding area.

A number of rare and priority flora species have been recorded within the local area. Considering the small size of the area under application, the level of disturbance, lack of understorey and the extent of the vegetation in the surrounding area, the proposed clearing is unlikely to impact upon any flora of conservation significance. The proposed clearing is also unlikely to impact upon nearby conservation areas, cause or exacerbate land degradation or flooding or impact on water quality.

There are no threatened or priority ecological communities mapped within the local area.

Considering all of the above, the application is not likely to be at variance to any of the clearing principles.

The applicant has advised that the hollow-bearing *Eucalyptus marginata* tree will remain uncleared and any other potential habitat trees will be avoided where possible.

#### Methodology

##### References

- DEC (2013)
  - Government of Western Australia (2011)
  - Keighery (1994)
  - Shepherd et al. (2001)
- ##### GIS Databases
- DEC tenure
  - Hydrography, linear DOW
  - NWLRA, Extent of Native Vegetation
  - Pre-European vegetation
  - SAC Biodatasets - accessed April 2013

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

#### Comments

The application is to clear 0.3 hectares of native vegetation for the purpose of constructing a dam.

The Shire of Nannup advised that the proposed clearing is permissible within the Shire of Nannup Local Planning Scheme No. 3 and planning approval is not required (Shire of Nannup 2013).

No submissions have been received from the public.

The area under application is zoned for agriculture under the Town Planning Scheme Zones.

#### Methodology

##### References

- Shire of Nannup (2013)
- ##### GIS Databases
- Town Planning Scheme Zones

### 4. References

- DEC (2007 - ) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed April 2013.
- DEC (2013) Site inspection report for Clearing Permit Application CPS 5562/1. Department of Environment and Conservation, Western Australia, 13 May 2013 (DEC Ref: A635032).
- 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.
- Heddl, 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.
- 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., 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 Nannup (2013) Advice regarding Clearing Permit Application CPS 5562/1, 10 April 2013 (DEC Ref: A619121).

## 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)