



## **CLEARING PERMIT**

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

### **PERMIT DETAILS**

Area Permit Number: 3819/1

File Number: 2010/004685-1

Duration of Permit: From 5 September 2010 to 5 September 2012

### **PERMIT HOLDER**

Peter David Evans

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

Lot 3984 on Deposited Plan 203046 Gale Road, Metricup

### **AUTHORISED ACTIVITY**

The Permit Holder shall not clear more than 0.5 hectares of native vegetation within the area cross-hatched yellow on attached Plan 3819/1.

### **CONDITIONS**

Nil.

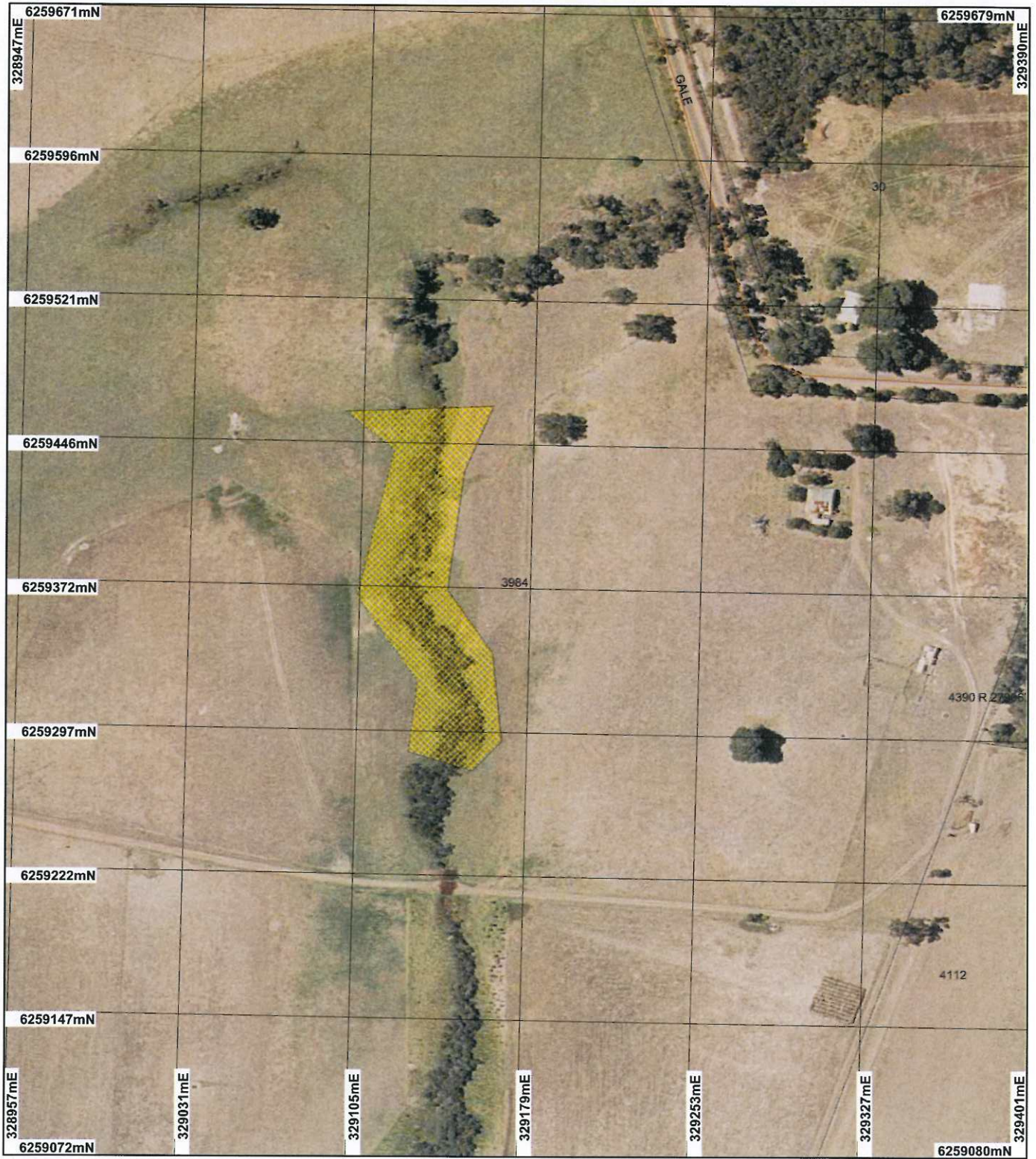
A handwritten signature in black ink, appearing to be "K. Faulkner", written over a horizontal line.

Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

5 August 2010

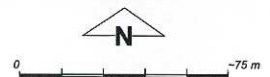
# Plan 3819/1



## LEGEND

- Cadastre for labelling
- Road Centrelines
- FW
- HY
- LRO (cont)
- LRS
- MR
- N
- TR
- Clearing Instruments
- Areas Approved to Clear

Busselton 50cm Orthomosaic - Landgate 2007



Scale 1:2630  
(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 *5/6/10*  
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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\* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



## 1. Application details

### 1.1. Permit application details

Permit application No.: 3819/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Peter David Evans

### 1.3. Property details

Property: LOT 3984 ON PLAN 203046 (House No. 202 GALE METRICUP 6280)  
Local Government Area:  
Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.5		Mechanical Removal	Dam 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
Beard Vegetation Complex: 3 Medium forest; Eucalyptus marginata (Jarrah) - Corymbia calophylla (Marri).	The proposal is to clear 0.5 ha of native vegetation for the purpose of constructing an on stream dam.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The condition of the vegetation was established through aerial photography.
Mattiske Vegetation Complex: Tw: Open forest of Eucalyptus patens - Corymbia calophylla - Eucalyptus marginata subsp. marginata on lower slopes and on floors of minor valleys in the prehumid zone.	The vegetation under application is considered to consist of riparian vegetation in a good condition.		
Yw: Woodlands of Allocasuarina fraseriana - Nuytsia floribunda - Agonis flexuosa - Banksia attenuata on slopes and open forest of Corymbia calophylla - Eucalyptus patens - Eucalyptus marginata subsp. marginata on the lower slopes and woodland of Eucalyptus rudis - Melaleuca raphiophylla on valley floors in the humid zones. (Shepherd 2009, Mattiske 1998)			

## 3. Assessment of application against clearing principles

### Comments

The vegetation under application is considered to consist of riparian vegetation in a good (Keighery 1994) condition. Given this, and the small size of the proposed clearing (0.5 ha) the vegetation is considered to comprise limited biodiversity values. No rare or priority flora, or threatened ecological communities have been recorded within the application area.

The assessment considers that the proposed clearing is not likely to cause land degradation, within the local or regional context, given its small size (0.5ha) and in a good (Keighery 1994) condition.

However, a minor perennial watercourse occurs within the application area. The area under application contains riparian vegetation and therefore the proposed clearing is at variance to Principle (f).

Given that the proposed clearing is within a perennial watercourse, the proposed clearing may cause short term sedimentation of surface water and therefore may be at variance to Principle (i).

The proposed clearing includes vegetation occurring within the Mattiske complex Yw which has ~ 24% of pre-European extent remaining within the Jarrah Forrest bioregion and occurs within an area that has ~ 25% of pre-European vegetation remaining which is considered to be extensively cleared. The Mattiske vegetation complex

mapped within the vegetation under application retains less than the recommended 30% pre-European level in the National Objectives Targets for Biodiversity Conservation below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia 2001). However, given the good (Keighery 1994) condition of the vegetation and that clearing of 0.5ha of this vegetation complex would have a very minor impact on the percentage remaining in the bioregion, the proposed clearing may be at variance to Principle (e).

- Methodology**
- References**
- Keighery (1994)
  - Commonwealth of Australia (2001)
  - Mattiske et al (1998)
- GIS Databases**
- SAC Bio Datasets (14 July 2010)
  - Hydrography, linear
  - NLWRA, Current Extent of Native Vegetation
  - Interim Biogeographic Regionalization of Australia
  - Pre-European Vegetation
  - Mattiske Vegetation Complexes

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

#### **Comments**

The proposal is for the clearing of 0.5 ha to construct a dam along a watercourse to provide pasture irrigation.

Planning approval from the Shire of Busselton is required for the construction of the dam. The Shire of Busselton (2010) does not support clearing of riparian vegetation however state that if there are no other alternatives then it recommended that the riparian vegetation that is cleared be re-instated/replanted around the dam and connected with riparian vegetation downstream.

A Bed and Banks Permit and A surface Water Licence has been applied for from the Department of Water as the area under application. There is available water for allocation within the Carburnup surface water sub area and it is most likely for these approvals to be granted once a clearing permit has been finalized (DoW, 2010).

The area under application is zoned General Farming.

- Methodology**
- References**
- Shire of Busselton (2010)
  - DoW (2010)
- GIS Databases**
- RIWI Areas
  - Town Planning Scheme Zones

## **4. References**

Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.

DoW (2010) Advice regarding CPS 3819/1 - Lot 3984 Gale Road, Metricup. Department of Water, Western Australia. DEC ref A321258.

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 Busselton (2010) Direct Interest Submission for CPS 3819/1 - Peter Evans - Lot 3984 Gale Road, Metricup. DEC ref A 319288

## **5. Glossary**

Term	Meaning
CALM	Department of Conservation and Land Management (now DEC)
DAFWA	Department of Agriculture and Food

DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment (now DEC)
DoW	Department of Water
DMP	Department of Mines and Petroleum (ex DoIR)
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)