



GOVERNMENT OF  
WESTERN AUSTRALIA

## CLEARING PERMIT

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

### PERMIT DETAILS

Purpose Permit Number: 3613/1  
File Number: DEC14602  
Duration of Permit: 30 April 2010 to 30 April 2012

### PERMIT HOLDER

Shire of Harvey

### LAND ON WHICH CLEARING IS TO BE DONE

LOT 521 ON DEPOSITED PLAN 56415 (RESERVE 35061), AUSTRALIND  
PARIS ROAD RESERVE, AUSTRALIND

### PURPOSE FOR WHICH THE CLEARING MAY BE DONE

Clearing for the purpose of constructing a roundabout.

### CONDITIONS

1. The Permit Holder must not clear more than 0.1 hectares of native vegetation within the area cross-hatched yellow on attached Plan 3613/1.

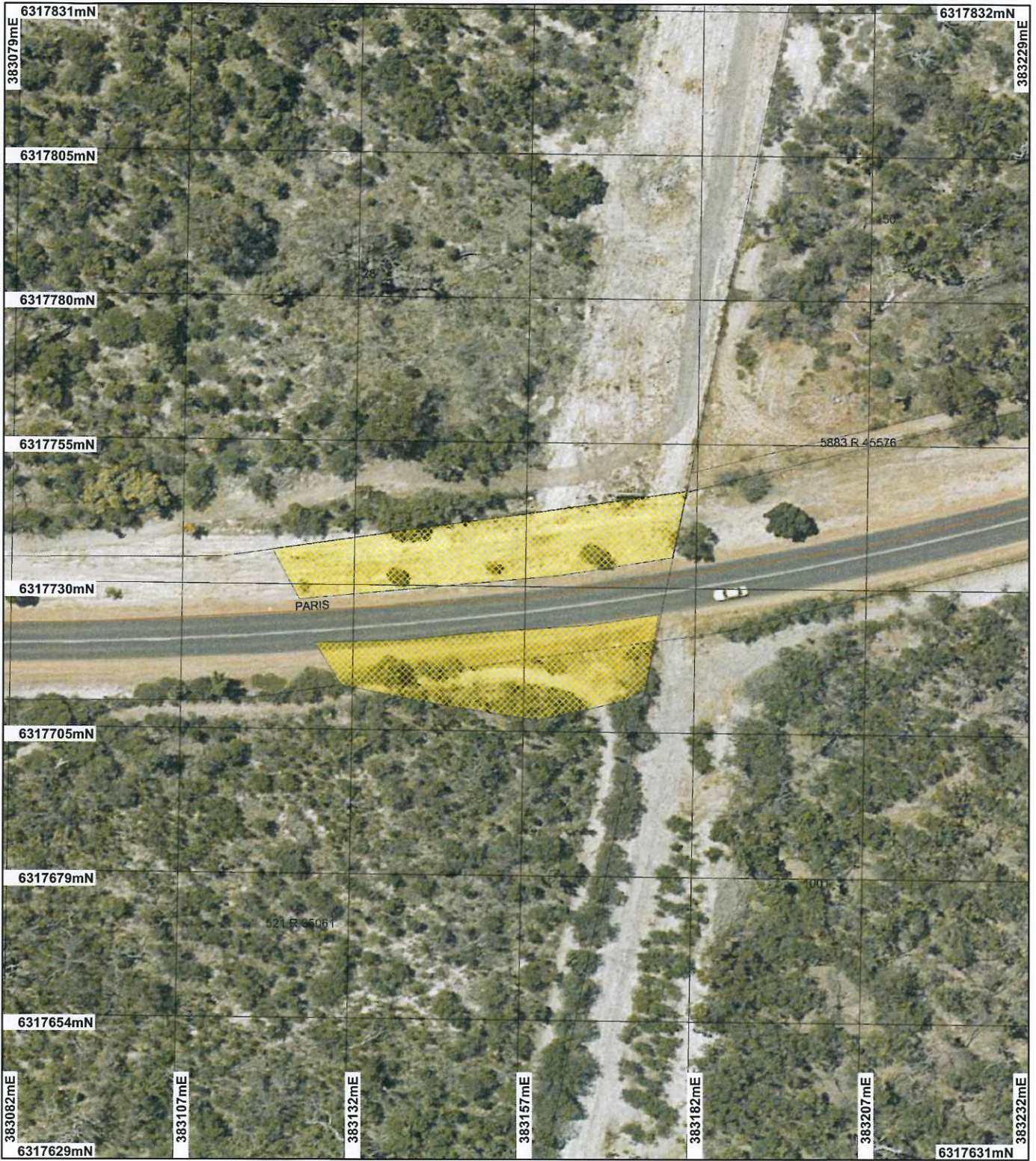
A handwritten signature in black ink, appearing to read 'K Faulkner', written over a horizontal line.

Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

31 March 2010

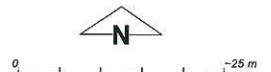
# Plan 3613/1



## LEGEND

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

Bunbury Townsite 20cm  
Orthomosaic - Landgate  
2007



Scale 1:887  
(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.

Date 31/3/10.

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.: 3613/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Shire of Harvey

### 1.3. Property details

Property: LOT 521 ON PLAN 56415 ( AUSTRALIND 6233)  
ROAD RESERVE ( AUSTRALIND 6233)

Local Government Area:

Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.1		Mechanical Removal	Road 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 Association: 1000: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree ( <i>Melaleuca</i> spp.)	The proposal is to clear 0.1ha for the purpose of constructing a new roundabout in the Shire of Harvey.	Completely Degraded: No longer intact, completely/almost completely without native species (Keighery 1994)	The vegetation description and condition was determined from aerial photography.
Hedde Vegetation Complex: Bassendean Complex Central and South: Vegetation ranges from woodland of <i>Eucalyptus marginata</i> (Jarrah) - <i>Allocasuarina fraseriana</i> (Sheoak) - Banksia species to low woodland of <i>Melaleuca</i> species, and sedgelands on the moister sites.	The vegetation under application consists of two areas with the majority of the area consisting of small shrubs over weeds in a completely degraded condition (0.086 ha).		
(Shepherd 2007, Hedde et al. 1980)			
As above	A small portion within the south of the area consists of Banksia and Jarrah ( <i>Eucalyptus marginata</i> ) over shrubs and weeds in a predominately good condition (0.014ha).	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	As above

## 3. Assessment of application against clearing principles

### Comments

The proposal is to clear 0.1ha of native vegetation to construct a new roundabout on Paris Rd, Australind. The vegetation under application consists of two areas with the northern area consisting of trees and small shrubs over weeds in a completely degraded (Keighery 1994) condition and the southern area consisting of Jarrah (*Eucalyptus marginata*) and Banksia trees over shrubs and weeds in a predominately good (Keighery 1994) condition. It is considered that this vegetation under application comprises limited habitat or biodiversity values and the proposed clearing is not likely to lead to any appreciable land degradation, or impact any environmental water values within the local or regional context due to its relatively small size.

However, the area under application may be considered a part of a significant remnant as it occurs within a local area (10km radius) that has been extensively cleared with only 30.4% of vegetation remaining and is of Beard (26.8%) and Hedde (27.0%) vegetation complexes that contain less than 30% of their pre-European

extent. In addition, the area under application is part of a north-south regionally significant ecological linkage (EPA 2003). However, given that only 0.014ha is in good (Keighery 1994) condition, the assessment recommendation is that the applied area is not at variance to Principle e.

The rare flora species, *Caladenia huegelii* has been recorded in the local area (10Km radius) and occurs within the same soil and vegetation type as the area under application. This species is known to occur in deep sandy soil in mixed woodland of Jarrah (*Eucalyptus marginata*) and *Banksia* sp. and favours lush undergrowth (Brown et al. 1998). The area under application contains a small area (0.014ha) in a good (Keighery 1994) condition that may provide suitable habitat for this species. However, the area also contains high weed invasion which is known to suppress the growth of *Caladenia huegelii*. Therefore, the assessment recommendation is that the proposed clearing is not at variance to Principle C.

The vegetation under application consists of mature jarrah, *Banksia* and marri trees which may provide feeding habitat and hollows for nesting for the conservation significant Forrest Red Tailed Black Cockatoo (*Calyptorhynchus Banksii naso*) found in the local area (~10 km radius). However, given that the proposed clearing is for 0.1 ha and that better condition habitat exists in the local area (~10 km radius), it is not considered likely for the vegetation to be significant habitat for this species.

Therefore, the assessment recommendation is that the proposed clearing is not at variance to any of the clearing principles.

#### Methodology

##### References

-Brown et al (1998)

-EPA (2003)

-Keighery (1994)

##### GIS Databases

-SAC Bio Datasets 5/3/2010

-Soil, Statewide

-Hedde Vegetation Complexes

-NLWA, Current Extent of Native Vegetation

-Hydrography, Linear

-Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain

-DEC Tenure

-Salinity Risk

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

#### Comments

The proposal is to clear 0.1 ha for the purpose of constructing a new roundabout along Paris Road, Australind.

The area under application is zoned Public Utilities the Town Planning Scheme for the Shire of Harvey and is zoned as Regional Open Space and Urban Deferred under the Greater Bunbury Regional Scheme.

The land is currently owned by the State of Western Australia and is reserved for the purpose of waste water treatment works site and for Regional Open Space.

The Shire of Harvey is currently in the process of acquiring the part of the area under application that occurs within Reserve 35061 as road reserve.

Department of Regional Development and Lands, Lands Division has given the Shire of Harvey support to dedicate a portion of Reserve 35061 for the purpose of road widening subject to all clearances being obtained on the 20 January 2010.

Department of Regional development and Lands, Lands Division has given permission for the Shire of Harvey to clear native vegetation within the portion of Reserve 35061 under application prior to land being acquired by them.

There is a native title claim over the application area for the Gnaala Karla Booja claimants. No submissions have been received.

#### Methodology

GIS Databases

-Town Planning Scheme Zones

-Greater Bunbury -Regional Scheme Area

-Native Title

#### 4. Assessor's comments

#### Comment

The clearing application has been assessed against the clearing principles, planning instruments and other matters in

accordance with s51O of the Environmental Protection Act 1986, and the assessment recommendation is that the clearing as proposed is not likely to be at variance to any of the clearing principles.

## 5. References

Brown A., Thomson-Dans C. and Marchant N.(1998). Western Australia's Threatened Flora, Department of Conservation and Land Management, Western Australia.

EPA (2003) Greater Bunbury Region Scheme. Bulletin 1108. Environmental Protection Authority, Western Australia.

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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

## 6. 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 (now DEC)
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)