



GOVERNMENT OF  
WESTERN AUSTRALIA

## CLEARING PERMIT

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

### PERMIT DETAILS

Area Permit Number: 3693/1

File Number: 2010/002352

Duration of Permit: From 29 May 2010 to 29 May 2012

### PERMIT HOLDER

Darkan Golf Club Incorporated on behalf of Shire of West Arthur

### LAND ON WHICH CLEARING IS TO BE DONE

Lot 295 Moodiarrup Road, Darkan (Reserve 15837)

### AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 14 native trees within, the area cross-hatched yellow on attached Plan 3693/1.

### CONDITIONS

#### 1. Fauna management

- (a) Prior to undertaking any clearing authorised under this Permit, the area(s) shall be inspected by a *fauna specialist* who shall identify tree(s) that contain hollows suitable to be utilised as *habitat tree(s)* by fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice 2010*.
- (b) Prior to clearing, any *habitat tree(s)* identified by condition 1(a) shall be inspected by a *fauna specialist* for the presence of fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice 2010*.
- (c) Within one week prior to undertaking any clearing authorised under this Permit, the Permit Holder shall engage a *fauna clearing person* to remove and relocate fauna identified under condition 1(b).

#### 2. Records to be kept

In relation to fauna management pursuant to condition 1 of this Permit:

- (a) the location of each habitat tree identified recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;
- (b) the species name of fauna reasonably likely to utilise, or that have been observed utilising, the habitat/habitat tree(s); and
- (c) the location and date where relocated fauna was released, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings.

### 3. Reporting

- (a) The Permit Holder must provide to the CEO, on or before 30 June of each year, a written report of records required under condition 2 of this Permit and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 1 March 2012 the Permit Holder must provide to the CEO a written report of records required under condition 2 of this Permit where these records have not already been provided under condition 3(a) (reporting condition) of this Permit.

### Definitions

The following meanings are given to terms used in this Permit:

*fauna clearing person* means a person who has obtained a licence from the Department, issued pursuant to the *Wildlife Conservation Regulations 1970* authorising them to take fauna;

*fauna specialist* means a person with training and specific work experience in fauna identification or faunal assemblage surveys of Western Australian fauna;

*habitat tree(s)* means trees that have a diameter, at average adult human chest height, of greater than 70cm, healthy but with dead limbs and broken crowns that are likely to contain hollows and roosts suitable for native fauna, or where these are not present then healthy but with the potential to contain hollows and roosts;



Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

29 April 2010



# Plan 3693/1



### LEGEND

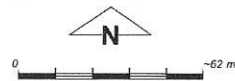
- ☐ Cadastre for labelling  
Road Centrelines
- FW  
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LRO  
(cont)

 LRS  
 MR  
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 TR

### Clearing Instruments

 Areas Approved to Clear

Darkan 50cm Orthomosaic -  
Landgate 2006



Scale 1:2483

(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 29/4/10  
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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## 1. Application details

### 1.1. Permit application details

Permit application No.: 3693/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Darkan Golf Club Inc on behalf of the Shire of West Arthur

### 1.3. Property details

Property: DARKAN TOWNSITE LOT 295 (House No. 2 MOODIARRUP DARKAN 6392)  
Local Government Area:  
Colloquial name:

### 1.4. Application

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

## 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 4: Medium woodland; marri & wandoo	The proposal is to clear 14 trees for the purpose of re-aligning an existing fairway.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation clearing description obtained from aerial photography.
Mattiske Vegetation Complex Dk3: Open woodland of Allocasuarina huegeliana-Acacia acuminata with occasional Eucalyptus rudis and Eucalyptus wandoo on variable slopes near granite outcrops and woodland of Eucalyptus astringens-Eucalyptus wandoo on breakaways in the arid zone.	The vegetation is described as Marri and Wandoo over grassy weeds in a degraded condition.		

## 3. Assessment of application against clearing principles

### Comments

The vegetation under application is considered to be consistent with the Beard vegetation complex 4: Medium woodland; marri & wandoo over weedy grasses in a degraded (Keighery 1994) condition. Given this, and the small size of the proposed clearing (14 trees) the vegetation is considered to comprise limited biodiversity values.

The assessment considers that the proposed clearing is not likely to impact biodiversity, land degradation, wetland or environmental water values within the local or regional context, given its small size (14 trees) and in a degraded (Keighery 1994) condition.

However, the trees proposed to be clearing may be of hollow bearing age and provide nesting habitat for the conservation significant species, the Western Rosella (*Platycercus icterotis xanthogenys*) which nests in hollows of Eucalyptus trees. Therefore, a fauna management condition is to be placed on the Permit to mitigate this potential impact.

The proposed clearing therefore may be at variance to principle (b) and is not likely to be at variance with the remaining clearing principles.

### Methodology

References  
-Keighery (2004)  
Mattiske (1998)  
-Shepherd (2007)  
GIS Databases  
-SAC Bio Databases (16/4/2010)

- Mattiske Vegetation Complexes
- NLWA, Current Extent of Native Vegetation
- Interim Biogeographic Regionalisation of Australia
- Hydrography linear
- DEC Tenure

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

### Comments

The proposal is to clear 14 trees for the purpose of re-aligning an existing fairway at the Darken Golf Club.

The Darken Golf Club inc leases the land from the Shire of West Arthur for the purpose of a Golf Course.

The area under application is zoned parks and recreation under the Darken Town Planning Scheme zones.

The Darkan Golf Club Inc is planning to plant 20 to 30 native trees within the area that is no longer being used for the old fairway (Darkan Golf Club 2010).

The application area occurs within EPA Position Statement No.2 agricultural area where significant clearing of native vegetation has already occurred on agricultural land, leading to a reduction in biodiversity and increase in land salinisation.

### Methodology

#### References

- Darkan Golf Club (2010)
- GIS Databases
- Town Planning Scheme Zones

## 4. Assessor's comments

### Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s510 of the Environmental Protection Act 1986, and the proposed clearing may be at variance to Principle b.

## 5. References

Darkan Golf Club (2010) Clearing Permit Application and Additional Information for Reserve 15837 Moodiarrup Rd, Darkan. DEC Ref 2010/002352-1.

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. (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.

## 6. 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)