



## **CLEARING PERMIT**

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

### **PERMIT DETAILS**

Area Permit Number: 3896/1

File Number: 2010/006029-1

Duration of Permit: From 16 October 2010 to 16 October 2012

### **PERMIT HOLDER**

Shire of Murray

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

Lot 1518 on Diagram 20406

### **AUTHORISED ACTIVITY**

The Permit Holder shall not clear more than 0.045 hectares of native vegetation within the area hatched yellow on attached Plan 3896/1.

### **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*

16 September 2010

# Plan 3896/1



## LEGEND

- Road Centrelines
- Cadastre
- Local Government Authorities

- Clearing Instruments**
- Areas Approved to Clear
  - Swan Coastal Plain South  
20cm Orthomosaic - Landgate  
2009



0 12 m

Scale 1:478

(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 16/9/10

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.: 3896/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Shire of Murray

### 1.3. Property details

Property: LOT 1518 ON DIAGRAM 20406 (Lot No. 1518 BANKSIA SOUTH YUNDERUP 6208)  
Local Government Area: Shire of Murray  
Colloquial name:

### 1.4. Application

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

## 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: 27: Low woodland; paperbark (Melaleuca sp.) 968: Medium woodland; jarrah, marri and wandoo (Shepherd, 2009)	The proposal is to clear up to 0.045 hectares of native vegetation for the purpose of constructing a piped stormwater system and stormwater basin. The vegetation under application is parkland cleared and consists of mature Eucalyptus spp (Shire of Murray, 2010). The vegetation is likely to be in completely degraded (Keighery, 1994) condition as a result of parkland clearing and close proximity to road and footpath infrastructure.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery, 1994)	Vegetation condition was determined from aerial photography and applicant's description of the area (Shire of Murray, 2010).

## 3. Assessment of application against clearing principles

### Comments

The Shire of Murray (the Shire) proposes to clear up to 0.045 hectares (ha) of native vegetation within Lot 1518 on Diagram 20406 (Reserve 26835), South Yunderup in order to construct a piped stormwater system and stormwater basin.

The vegetation under application is considered to be in completely degraded (Keighery, 1994) condition and is no longer representative of mapped Beard vegetation associations 27 and 968 (Shepherd, 2009).

There are numerous records of flora and fauna of conservation significance in the local area (10km radius), however, due to the small scale of the proposed clearing (0.045ha) and condition of the vegetation under application it is considered unlikely to provide significant habitat to indigenous flora and fauna and is unlikely to hold significant biodiversity values for the region.

The vegetation under application is within an environmentally sensitive area as it is within the 50m buffer to the Murray River, with the closest point approximately 4m from the bank. The removal of native vegetation associated with watercourses can impact on the quality of surface water due to increased sedimentation, surface water runoff and, as a result, vulnerability to contamination. However, due to the completely degraded (Keighery, 1994) condition of the vegetation under application, the largely cleared state of the area and the small scale of the clearing (0.045ha), impacts on surface water associated with the proposed clearing are likely to be minimal. As the purpose for the clearing is to construct a stormwater drainage basin and piped system, it is expected that risk of surface water quality issues related to the clearing of vegetation will be mitigated by the completion of these works.

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

**Methodology**    References:  
Keighery, 1994  
Shepherd, 2009  
GIS Databases:

- Acid Sulfate Soils Risk Map - DEC 02/07/10
- ANCA, Wetlands - 26/03/99
- DEC Managed Lands & Waters - DEC 28/10/09
- Evapotranspiration, Area Actual - BOM 30/09/01
- Groundwater Salinity, statewide - DoW 13/07/06
- Hydrogeographic Catchments, Catchments - DoW 01/06/07
- Hydrogeology, statewide - DoW 13/07/06
- Hydrography, linear DoW 13/7/06
- Rainfall, Mean Annual - BOM 30/09/01
- Pre-European vegetation - DA 01/01
- RAMSAR, Wetlands - 15/10/09
- SAC Biodatasets - 24/08/10
- Soils, Statewide - 30/11/99
- Swan Coastal Plain South 20cm Orthomosaic - Landgate 2009
- Topographic Contours, Statewide - DOLA 12/09/02

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

### Comments

The vegetation under application is within the Murray River and Tributaries Surface Water area, which is an area proclaimed under the Rights in Water and Irrigation Act 1914. As such the Shire requires a permit to interfere with the bed and banks of this watercourse before any works are undertaken (DoW, 2010). The Shire has applied to the Department of Water for a permit to interfere with the bed and banks of the Murray River (Shire of Murray, 2010).

The proposed clearing is within a registered Aboriginal Site of Significance and the proponent will be advised of their obligations in relation to the Aboriginal Heritage Act 1972.

### Methodology

#### References:

DoW, 2010

Shire of Murray, 2010

#### GIS Databases:

- Aboriginal Sites of Significance - DIA 02/10
- Cadastre - Landgate 12/09
- Country Area Water Supply Act (Part IIA) Clearing Control Catchments - DoW 29/06/06
- Environmental Impact Assessments - EPA 08/03/05
- Native Title Claims - LA 2/5/07
- Public Drinking Water Source Areas (PDWSAs) - 07/02/06
- RIWI Act, Areas - DoW 05/04/02
- RIWI Act, Groundwater Areas - DoW 13/07/06
- RIWI Act, Irrigation Districts - DoW 13/07/06
- Town Planning Scheme Zones - MFP 31/08/98

## 4. References

- DoW (2010) Rights in Water and Irrigation Act Advice - Murray River and Tributaries Surface Water Area. Department of Water, Kwinana Peel Region. DEC Ref: A329458
- 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. (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 Murray (2010) Clearing permit application - supporting information. Shire of Murray. DEC Ref: A324345, A331680

## 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)