



## CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

<b>Purpose Permit number:</b>	CPS 3529/1
<b>Permit Holder:</b>	The Bethanie Group Inc.
<b>Duration of Permit:</b>	14 March 2010 – 14 March 2015

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

### PART I – CLEARING AUTHORISED

**1. Purpose for which clearing may be done**

Clearing for the purpose of constructing an earth bund and fire break.

**2. Land on which clearing is to be done**

Recreation Drive road reserve, Eaton

**3. Area of Clearing**

The Permit Holder must not clear more than 0.1 hectare of native vegetation within the area hatched yellow on attached Plan 3529/1.

**4. Application**

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

**5. Compliance with Assessment Sequence and Management Procedures**

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

### PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

**6. 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*:

- clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- shall only move soils in *dry conditions*;
- ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

## 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;

*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; and

*weed/s* means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.



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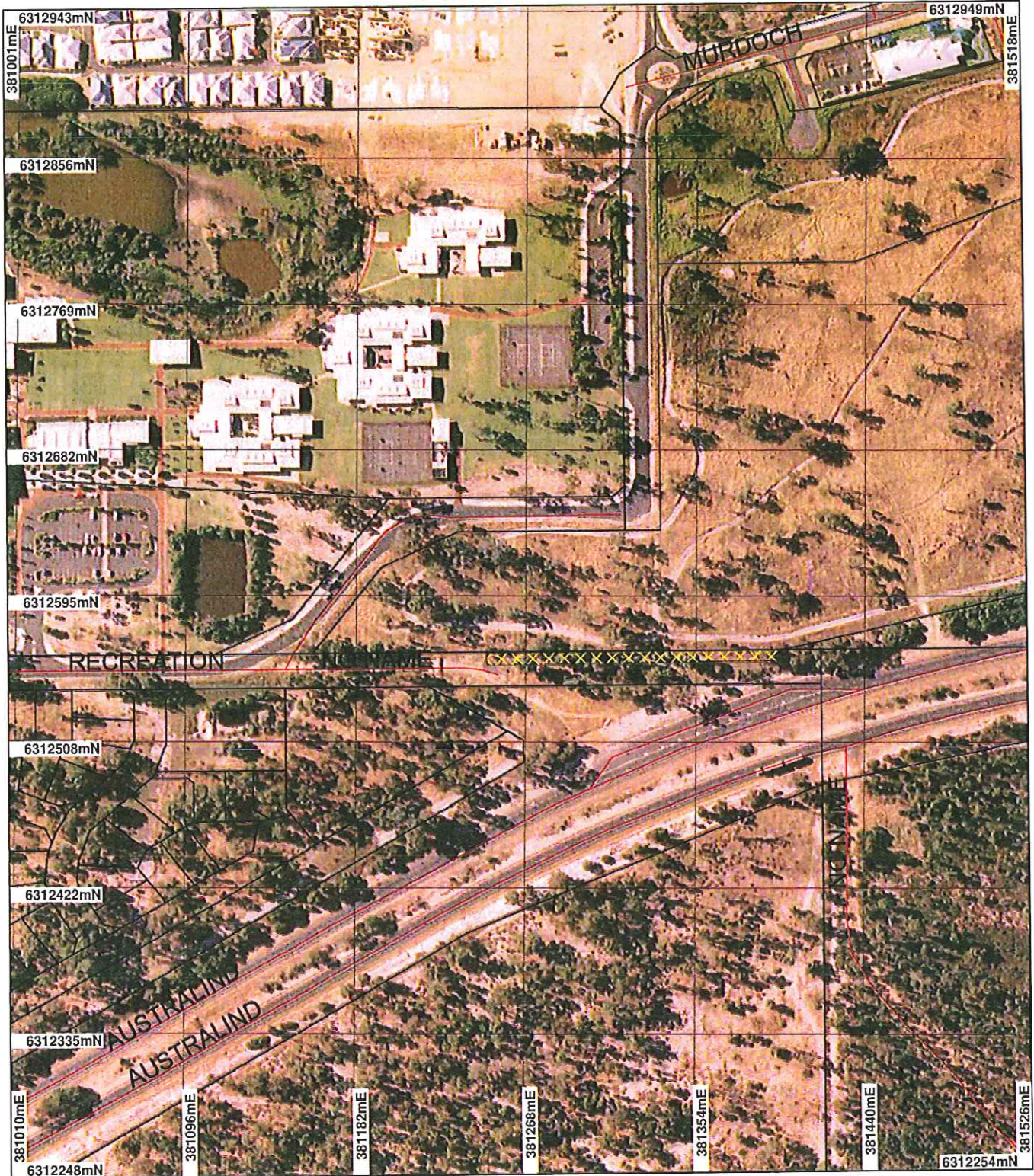
Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

11 February 2010



# Plan 3529/1



## LEGEND

- Clearing Instruments
- Areas Approved to Clear
- Road Centrelines
- Cadastre
- Bunbury 50cm Orthomosaic - Landgate 2006



Scale 1:3057  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been checked. This may result in geometric distortion or measurement inaccuracies.

*[Signature]* Date 11/2/10  
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.



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## 1. Application details

### 1.1. Permit application details

Permit application No.: 3529/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: The Bethanie Group Inc.

### 1.3. Property details

Property: ROAD RESERVE ( EATON 6232)  
Local Government Area:  
Colloquial name: Recreation Drive road reserve

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.1	0	Mechanical Removal	Hazard reduction or fire control

## 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
Mapped Beard (1980) vegetation association 1000 is described as Mosaic: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree ( <i>Melaleuca</i> spp.)	The vegetation under application consists of 0.1 hectares of native trees and shrubs which falls within an unconstructed portion of Recreation Drive road reserve. Vegetation consists predominately of Marri and Jarrah trees with an open understory (DEC, 2010). The vegetation has been assessed as degraded to very degraded (Keighery 1994).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition was determined from photographs provided by the applicant, digital imagery and Department of Environment and conservation (DEC) site visit (DEC, 2010).

## 3. Assessment of application against clearing principles

### Comments

This application proposes to clear 0.1ha of native vegetation within Recreation Drive road reserve, for the purpose of constructing an earth bund and fire break. The vegetation under application consists predominately of Marri and Jarrah trees with an open understory (DEC, 2010).

Within the local area four priority flora species were recorded on the same vegetation and soil type. Three of these species were recorded within 1.2km of the application area (*Villarsia submersa* Aston, *Verticordia attenuata* and *Pultenaea skinneri*). All three of these priority flora species are found predominately within wet depressions (Western Australian Herbarium, 1998 - ). The application area is not characterised as a wet depression and therefore it is unlikely that any of these flora species will be present.

The vegetation under application is mapped Beard (1980) vegetation association 1000 which is described as medium forest; jarrah-marri / Low woodland; Banksia / Low forest; Teatree (*Melaleuca* spp.). Mapped Beard (1980) vegetation association 1000 had approximately 26.8% (being 25,235.08 hectares) of its pre-clearing extent remaining within the bioregion (Swan Coastal Plain). Within the Shire of Dardanup there is approximately 48.57% remnant vegetation remaining. Due to the degraded (Keighery, 1994) condition of the vegetation under application it is not likely that it will be representative of this vegetation type.

To protect surrounding native vegetation weed and dieback conditions have been place on the permit. This was raised as concern in a submission (RCC 2010)

Due to the small scale of clearing it is unlikely the proposal will be considered as significant fauna habitat; impacting on conservation areas; or causing or exacerbating land degradation, water quality or flooding.

It is considered that this proposal is not likely to be at variance with any of the clearing principles.

- Methodology**    **References:**
- DEC (2010)
  - Keighery (1994)
  - Northcote et al. (1968)
  - RCC (2010)
  - Shepherd (2007)
  - Western Australian Herbarium (1998?)
- GIS databases:**
- Bunbury 50cm Orthomosaic - Landgate 2006
  - DEC Tenure
  - Hydrography linear - DOW 13/7/06
  - SAC Bio Datasets 14/12/2009
  - Soils, Statewide DA 11/99

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

**Comments**

No EP Act licences or approvals are required.

**Methodology**

### **4. Assessor's comments**

**Comment**

The 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 proposed clearing is not likely to be at variance to the clearing Principles.

### **5. References**

- DEC (2010) Site Inspection Report for Clearing Permit Application CPS 3529/1, Recreation Drive road reserve, Eaton. Site inspection undertaken 20/01/2010. Department of Environment and Conservation, Western Australia (TRIM Ref. DOC117095).
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.
- RCC (2010). Roadside Conservation Committee. Advice received 27 January 2010.
- 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.
- Western Australian Herbarium (1998?). FloraBase ? The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> Accessed on Monday, 4 February 2010.

### **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)