



## **CLEARING PERMIT**

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

### **PERMIT DETAILS**

Area Permit Number: 3287 / 1  
File Number: DEC12441  
Duration of Permit: From 24 October 2009 to 24 October 2011

### **PERMIT HOLDER**

Shire of Serpentine Jarrahdale

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

Kargotich Road Reserve, Mardella 6125

### **AUTHORISED ACTIVITY**

Clearing of up to 26 *Casuarina obesa* individuals within the area shaded yellow on attached Plan 3287/1.

### **CONDITIONS**

Nil

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

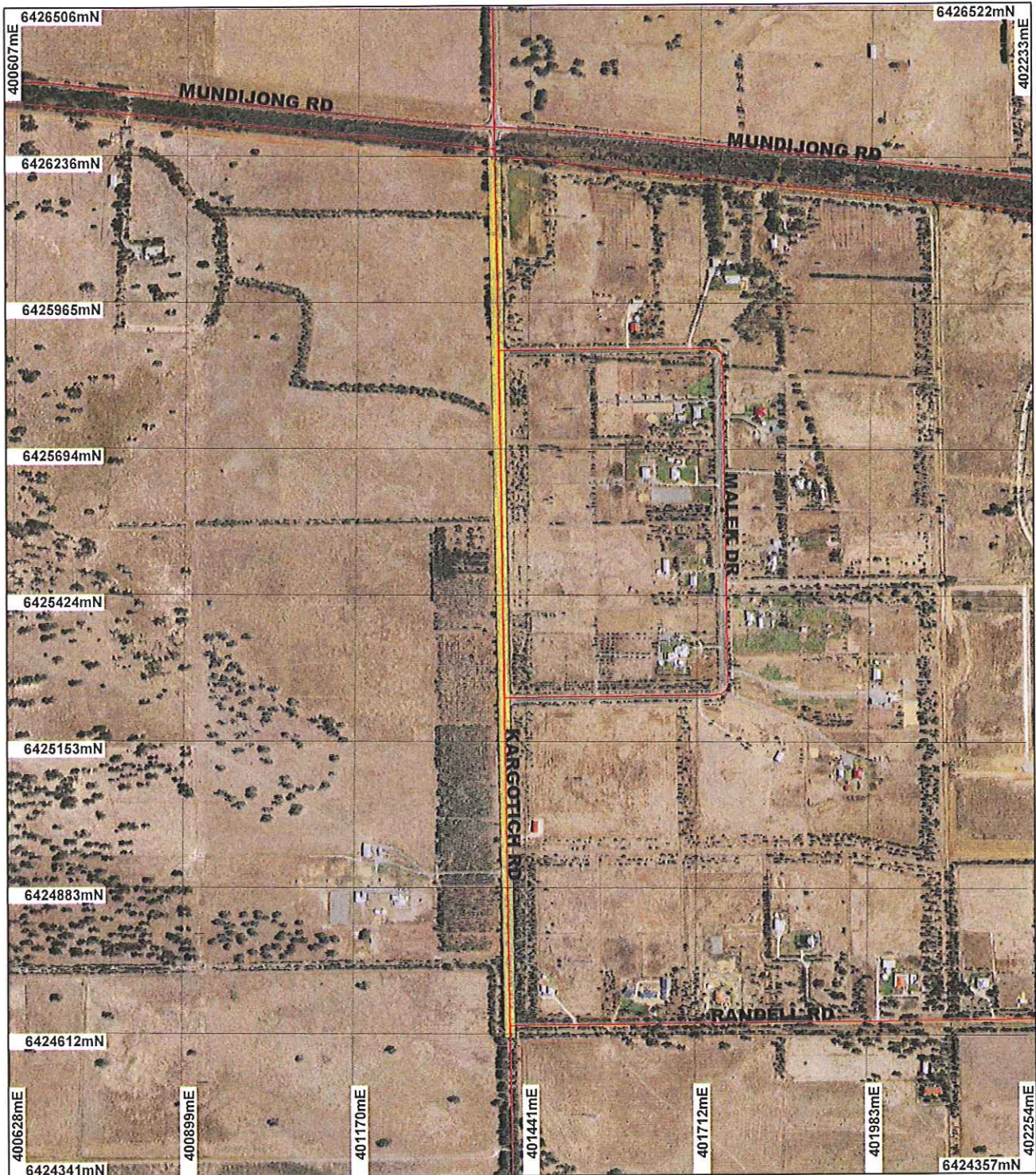
Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

24 September 2009



# Plan 3287/1



## LEGEND

- Clearing Instruments
- Areas Approved to Clear
- Road Centrelines
- Perth Metropolitan Area
- Central 20cm Orthomosaic
- Legend 2007



Scale 1:10000

(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 24/9/09  
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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\* 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.: 3287/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Serpentine Jarrahdale Shire

### 1.3. Property details

Property: ROAD RESERVE ( MARDELLA 6125)  
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Local Government Area:

Colloquial name: Kargotich Road Reserve, between Mundijong Road and Randell Road

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
	26	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 968: Medium woodland; jarrah, marri and wandoo (Shepherd 2007; SAC Bio Datasets 17/09/2009)	The proposal is to clear 26 Casuarina obesa individuals located within the Kargotich Road reserve for the purpose of road reconstruction.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Kelghery 1994)	The condition of the native vegetation under application was determined from the site inspection (DEC, 2009).
Hedde Vegetation Complexes: Guildford Complex: A mixture of open forest to tall open forest of E. calophylla - E. wandoo - E. marginata and woodland of E. wandoo (with rare occurrences of E. lane-poolei). Minor components include E. rudis - M. raphiophylla.	The vegetation along the Kargotich road reserve (between Mundijong road and Randell road) can be described as Casuarina obesa - Melaleuca uncinata low woodland over weeds.		
Beermullah Complex: Mixture of low open forest of C. obesa and open woodland of E. calophylla - E. wandoo - E. marginata. Minor components include closed scrub of Melaleuca species and occurrence of Actinostrobus pyramidalis. (Hedde et al, 1980)			

## 3. Assessment of application against clearing principles

### Comments

The proposal is to clear 26 Casuarina obesa individuals. This vegetation under application is considered to comprise limited habitat or biodiversity values. The assessment considered that the proposed clearing is not

likely to significantly impact any biodiversity, land degradation, or environmental water values within the local or regional context.

The vegetation under application is mapped within a multiple use wetland (known as the Mundijong Road Palusplain). A site inspection (DEC, 2009) of the area under application observed the understorey to be mostly devoid of native vegetation; therefore, supports limited wetland attributes and functions.

The northern section of the area under application is located within the buffer of two threatened ecological communities, being:

Floristic Community Type (FCT) 8 - Herb rich shrublands in claypans, and

FCT 3a - *E. calophylla*-*Kingia australis* woodlands on heavy soils.

The vegetation along the Kargotich road reserve (between Mundijong road and Randell road) can be described as *Casuarina obesa* - *Melaleuca uncinata* low woodland over weeds; therefore, it is not representative of the two threatened ecological communities.

Further, there are two historic records of rare flora species *Verticordia plumosa* var *pleiobotrya* within Kargotich Road Reserve; however, the site inspection (DEC, 2009) did not observe any *Verticordia* plants.

Given the proposed clearing is limited to 26 *Casuarina obesa* individuals, this proposal is not considered likely to be at variance to any of the clearing principles.

- Methodology** Reference:
- DEC (2009)
- GIS databases:
- Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain
  - Perth Metropolitan Area Central 20cm Orthomosaic - Landgate 2007
  - SAC Bio Datasets 13/09/09

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

##### Comments

There is no RIWI Act Licence, Works Approval or EP Act Licence that affects the area under application.

Roadside Conservation Committee (2009) advised that the roadside vegetation within a section of Kargotich Road (north of Malek Drive) was surveyed:

- The eastern side was mapped as medium to low conservation value and the western side was mapped as low conservation value.

In addition, Roadside Conservation Committee (2009) provided the following comments:

- Any native vegetation remaining on the eastern Swan Coastal Plain is important
- Apply dieback hygiene methods
- Consider changes to local hydrology and its impact on the roadside vegetation

The area under application is located within Kargotich Road Reserve (Shire of Serpentine Jarrahdale), which is zoned rural under the Metropolitan Regional Scheme.

- Methodology** Reference:
- Roadside Conservation Committee (2009)
- GIS database:
- Metropolitan Regional Scheme

#### 4. References

- DEC (2009) Site Inspection Report for Clearing Permit Application CPS 3287/1, Kargotich Road, Mundijong. Site inspection undertaken 14/09/2009. Department of Environment and Conservation, Western Australia. TRIM Ref DOC3287/1
- 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.
- Roadside Conservation Committee (2009) Roadside Conservation Committee advice for CPS 3287/1 - Kargotich Road. TRIM Ref DOC97159
- 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.

#### 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)