



## 1. Application details

### 1.1. Permit application details

Permit application No.: 2467/2  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Shire of Bridgetown - Greenbushes

### 1.3. Property details

Property:  
ROAD RESERVE ( PADBURY, BRIDGETOWN 6255)  
ROAD RESERVE ( WOODWARD STREET, GREENBUSHES 6254)  
ROAD RESERVE ( LINDSAY ROAD, GREENBUSHES 6254)  
ROAD RESERVE ( GEORGE STREET, GREENBUSHES 6254)  
ROAD RESERVE ( WARBURTONS ROAD, HESTER BROOK 6255)  
ROAD RESERVE ( LAYMAN STREET, BRIDGETOWN 6255)  
ROAD RESERVE ( ROE STREET, BRIDGETOWN 6255)  
ROAD RESERVE ( HESTER ROAD, HESTER 6255)  
ROAD RESERVE ( FLINTOFF ROAD, HESTER BROOK 6255)  
ROAD RESERVE ( BROCKMAN HWY, MARANUP 6256)  
Local Government Area: Shire Of Bridgetown-Greenbushes & Shire Of Nannup  
Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.474		Mechanical Removal	Road construction or maintenance
0.01		Mechanical Removal	Road construction or maintenance
		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
	The vegetation within the application areas of Padbury Road, Roe St, Warburtons Rd, George St and Woodward St consist of isolated scattered trees and in a degraded condition (Keighery, 1994).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation under application was attained using aerial photography (Donnybrook 50cm Orthomosaic).
	The vegetation within Hester Rd and Brockman Hwy is thick and dense, the majority in a good condition (Keighery, 1994).		

## 3. Assessment of application against clearing principles

### Comments

The proposal to clear 0.484 ha of native vegetation for the purpose of road upgrades. There are no threatened ecological communities in the vicinity. *Caladenia harringtoniae*, a rare flora species, is known from the Brockman Highway area.

The below threatened fauna species were all recorded close to the application areas.

- \* Chuditch (*Dasyurus geoffroii*) - Vulnerable
- \* Brush-tailed Phascogale - Vulnerable
- \* Numbat (*Myrmecobius fasciatus*) - Vulnerable
- \* Forest Red-tailed Black Cockatoo (*Calyprohynchus banksii naso*) - Vulnerable
- \* Baudin's Black Cockatoo (*Calyprohynchus baudinii*) - Endangered
- \* Quokka (*Setonix brachyurus*) - Vulnerable



Flora and fauna management conditions will be placed on the permit.

The vegetation representation within the proposed clearing area has less than 30% (Shepherd, 2006) remaining and is classified as degraded (Keighery, 1994). Given the sparse nature of the trees under application, the vegetation is better represented within the local area.

Surface water passes near the application area, but given the small size of clearing it is unlikely to affect surface water functioning.

A portion of the application goes through the North Donnelly State Forest.

Groundwater salinity is extremely high over the area (500-1000TDS mg/L) and has low topographical relief. Given the size of the application area (0.484 ha) exacerbation of land degradation and flooding are not likely to be an issue through clearing.

**Methodology** GIS Layers:

- CALM Managed Lands & Waters - CALM 01/06/05
- Clearing Regulations - Environmentally Sensitive Areas 30 May 2005
- Groundwater Salinity, statewide DoW 13/07/06
- Hydrogeographic Catchments, Catchments DoW 01/06/07
- Hydrogeology, statewide DOW 13/07/06
- Hydrology, linear DOW 13/7/06
- Interim Biogeographic Regionalisation of Australia EA 18/10/00
- Matisse Vegetation Complexes - CALM 1/03/1998
- Pre-European vegetation - DA 01/01
- Average Annual Rainfall Isohyets - WRC 29/09/98
- SAC Biodatasets 050608
- Topographic contours, statewide DOLA and ARMY 12/09/02
- Town Planning Scheme Zone MFP 31/08/98
- Native Title Claims LA 2/5/07

#### 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 proposed clearing may be at variance to Principle (b), (c) and (h) and is not likely to be at variance to the remaining clearing Principles.

#### 5. References

- 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. (2006). 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
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)

