



GOVERNMENT OF  
WESTERN AUSTRALIA

## **CLEARING PERMIT**

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

### **PERMIT DETAILS**

Area Permit Number: 5612 / 1  
File Number: 2011/006893-1  
Duration of Permit: From 10 August 2013 to 10 August 2015

### **PERMIT HOLDER**

Shire of Serpentine - Jarrahdale

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

Thomas Road reserve (PIN 11757379) (DARLING DOWNS 6122)

### **AUTHORISED ACTIVITY**

The Permit Holder shall not clear more than 0.1 hectares of native vegetation within the area cross-hatched yellow on attached Plan 5612/1.

### **CONDITIONS**

Nil.

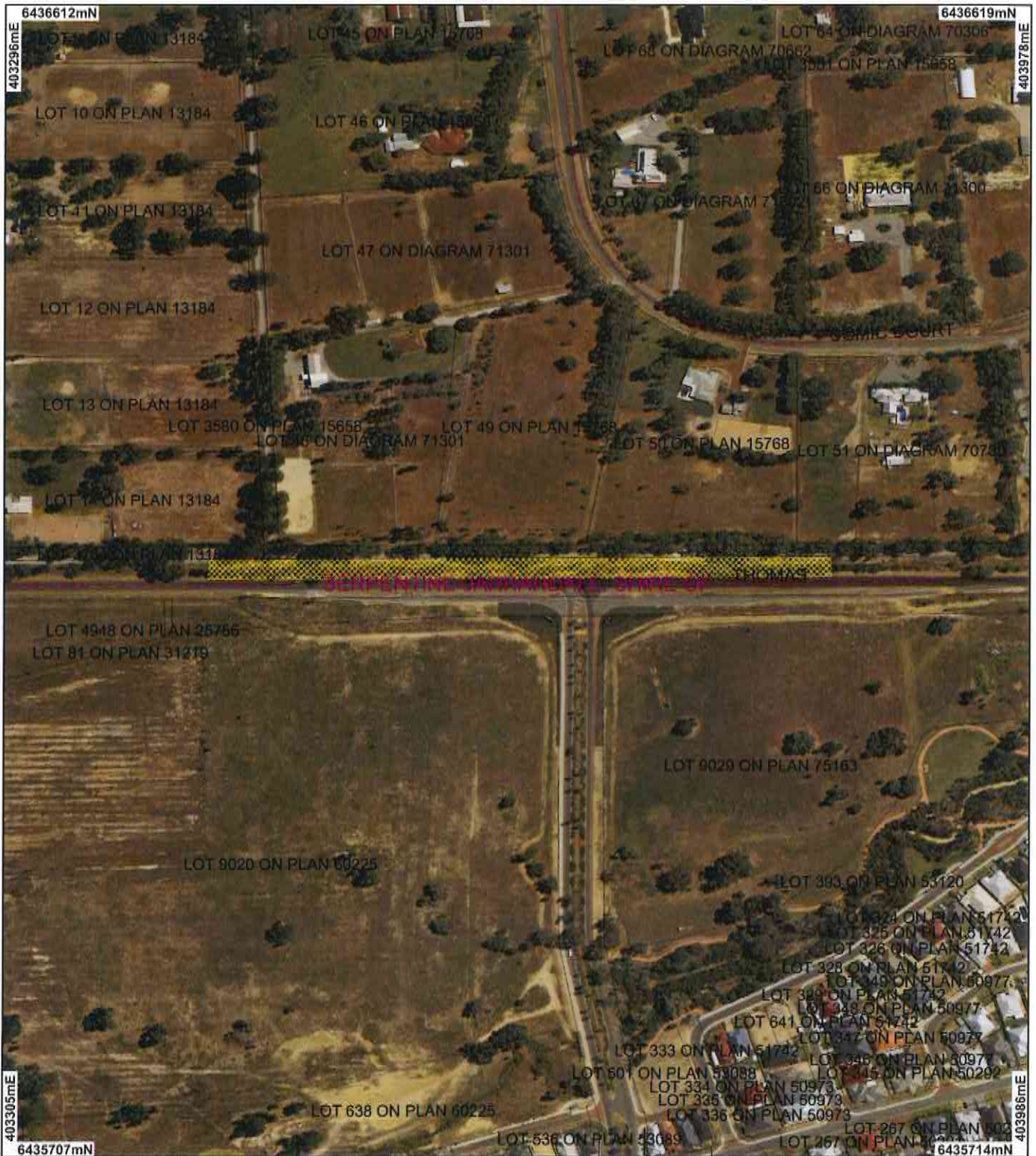
Handwritten signature of Belinda Walker in blue ink.

Belinda Walker  
A/MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

11 July 2013

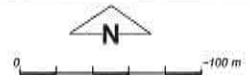
# Plan 5612/1



## LEGEND

- Cadastre for labelling Local Government Authorities
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear

Perth Metropolitan Area  
Central 15cm Orthomosaic -  
Landgate 2012



Scale 1:4000  
(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.

*B. Walker* Date 11/7/12

Balinda Walker

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.



Government of Western Australia  
Department of Environment Regulation

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\* Project Data. This data has not been quality assured. Please contact map author for details.



# Clearing Permit Decision Report

Government of Western Australia  
Department of Environment Regulation

## 1. Application details

### 1.1. Permit application details

Permit application No.: 5612/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Shire of Serpentine - Jarrahdale

### 1.3. Property details

Property: ROAD RESERVE (DARLING DOWNS 6122)  
Local Government Area: Shire of Serpentine - Jarrahdale  
Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.1		Mechanical Removal	Road construction or maintenance

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 11 July 2013

## 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 under application is mapped as:  Beard vegetation association: 968: medium woodland; Jarrah, Marri and Wandoo (Shepherd et al., 2001).  Hedde vegetation complex: Guildford complex on the Swan Coastal Plain: Fluvial Deposits has the structure of forest to tall open forest and woodland (Hedde et al., 1980).	The proposed clearing of 0.1 hectares within Thomas Road reserve is for the purpose of creating a slip lane and road widening.  The vegetation proposed to be cleared is in degraded (Keighery, 1994) condition and consists of mainly Eucalyptus trees and grasses as understorey.  The vegetation proposed to be cleared is a linear strip of vegetation, approximately 250 metres to the west and 100 metres east of Kardan Boulevard. The application area is located to the north of Thomas Road reserve.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994).	The vegetation condition and description was determined from photographs supplied by the Shire of Serpentine-Jarrahdale (2013) and site visit by Department of Environment and Conservation (DEC) officers on the 24 June 2013 (DEC, 2013).

## 3. Assessment of application against clearing principles

### Comments

The application is to clear up to 0.1 hectares of native vegetation for the purpose of widening Thomas Road and creating a slip lane. The vegetation proposed to be cleared is in degraded (Keighery, 1994) condition and consists of mainly Eucalyptus trees and grasses as understorey (DEC, 2013).

The local area (10 kilometre radius) is approximately 45 per cent vegetated. The majority of the native vegetation in the local area is within Jarrahdale State Forest located approximately 3 kilometres south east of the application area. Considering the distance to this state forest, the proposed clearing is unlikely to impact on it's values.

The vegetation under application is mapped as Beard Vegetation Association 968 (Shepherd et al., 2001) and Hedde Vegetation Guildford complex (Hedde et al., 1980). These vegetation types are underrepresented with 7 and 5 per cent of their pre-European extent remaining in the Swan Coastal Plain bioregion respectively (Government of Western Australia, 2013; Shepherd, 2007). Given the degraded condition of the vegetation under application it is not likely to be a true representative of the mapped vegetation types.

A site visit conducted by the Department of Environment and Conservation on 24 June 2013 noted that the application area contains one mature tree that does not contain nesting hollows for native fauna (DEC, 2013). The remaining trees are regrowth and do not contain any hollows (DEC, 2013). Considering the small, degraded (Keighery, 1994) area proposed to be cleared, the vegetation under application is not likely to be significant as fauna habitat.

Within the local area (10 kilometre radius) the closest record of priority flora and threatened ecological community is located approximately 1 kilometre away from the application area. The vegetation proposed to be cleared is in degraded (Keighery, 1994) condition and hence unlikely to contain high biodiversity value or flora and vegetation communities of conservation significance.

The nearest mapped water bodies are Wungong Brook and Southern River, Gibbs road swamp system and Forrestdale and Thomsons Lake located approximately 2 kilometres north, 4.5 kilometres north west and 5 kilometres north west of the application area respectively. Given the small size and distance to water courses, the proposed clearing is unlikely to result in significant impacts to water quality or quantity, cause flooding or appreciable land degradation.

Given the above, the proposed clearing is not likely to be at variance to any of the clearing principles.

#### Methodology

##### References

- DEC (2013)
- Heddle et al (1980)
- Keighery (1994)
- Government of Western Australia (2013)
- Shepherd (2007)
- Shepherd et al (2001)

##### GIS databases:

- Bushforever
- DEC Managed Lands
- Heddle Vegetation Complexes
- Hydrography, linear
- NWLRA, Extent of Native Vegetation
- Perth Metropolitan Area Central 15cm Orthomosaic - Landgate 2012.
- Pre-European vegetation -
- SAC Bio datasets (Accessed 28 May 2013)
- Soils, Statewide

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

##### Comments

The application is to clear 0.1 hectares of native vegetation located directly to the north of Thomas road.

The proposed clearing requires the creation of a slip lane and widening of Thomas Road to accommodate the connection of Thomas Road and Kardan Boulevard road reserve (Shire of Serpentine-Jarrahdale, 2013).

Thomas Road is zoned Other Regional Roads under the Metropolitan Regional Scheme.

There are no Aboriginal sites of significance mapped within the application area.

##### Methodology

##### References

- Shire of Serpentine-Jarrahdale (2013)

##### GIS databases:

- Aboriginal Sites of Significance
- Town Planning Scheme Zones

## 4. References

- DEC (2013) Site Inspection Report for Clearing Permit Application CPS 5612/1, Thomas Road Reserve, Darling Downs. Site inspection undertaken 25/08/2008. Department of Environment and Conservation, Western Australia (DEC Ref. A644293).
- Government of Western Australia. (2013). 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, Perth.
- Heddle, 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.
- 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.
- 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 Serpentine-Jarrahdale (2013) CPS 5612/1 Application form and supporting documents for clearing application. Thomas Road Reserve. DEC Ref. A630419.

## 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)