



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5531 / 1
File Number: 2011/006893-1
Duration of Permit: From 10 May 2013 to 10 May 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 0.44 hectares of native vegetation within the area cross-hatched yellow on attached Plan 5531/1.

CONDITIONS

Nil.

M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

18 April 2013

Plan 5531/1



LEGEND

- Cadastre_1
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities

Perth Metropolitan Area
Central 15cm Orthomosaic -
Landgate 2012



0 75 m

Scale 1:3260
(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.

M Warnock Date 18/4/13
M Warnock

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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* 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.: 5531/1
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: Thomas Road Expansion

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 18 April 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:	The proposed clearing of 0.44 hectares within Thomas Road Reserve is for the purpose of widening the road.	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 DEC officers on the 9 April 2013 (DEC, 2013).
Beard vegetation association: 968: medium woodland; Jarrah, Marri and Wandoo (Shepherd et al., 2001).	The vegetation proposed to be cleared is in a degraded (Keighery 1994) condition and consists of <i>marri</i> (<i>Corymbia calophylla</i>), <i>Xanthorrhoea species</i> , <i>Kingia species</i> , <i>Melaleuca preissi</i> and <i>Hakea varia</i> (DEC, 2013; Shire of Serpentine-Jarrahdale, 2013).		
Mattiske vegetation complex: Forrestfield: Mosaic of open forest of <i>Corymbia calophylla</i> - <i>Eucalyptus wandoo</i> - <i>Eucalyptus marginata</i> subsp. <i>elegantella</i> and open forest of <i>Eucalyptus marginata</i> subsp. <i>m</i> (Mattiske and Havel 1998).	The vegetation proposed to be cleared is a linear strip of vegetation, approximately 400 metres long and 10 metres wide on the northern side of Thomas Road (DEC, 2013). The vegetation is located between the road drain and a bridle trail.		
Hedde vegetation complex: Guildford complex on the Swan Coastal Plain: Fluvial deposits have the structure of forest to tall open forest and woodland (Hedde et al 1980).			

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.44 hectare of native vegetation for the purpose of widening Thomas Road and is unlikely to have any significant environmental impacts. The vegetation proposed to be cleared is in a degraded (Keighery 1994) condition. The vegetation proposed to be cleared consists of *marri* (*Corymbia calophylla*), *Xanthorrhoea species*, *Kingia species*, *Melaleuca preissi* and *Hakea varia* (DEC, 2013; Shire of Serpentine-Jarrahdale, 2013).

The local area (10 kilometre radius) is approximately 45 percent 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), Hedde Veg complex Guildford complex on the Swan Coastal Plain (Hedde et al., 1980) and Mattiske veg complex Forrestfield (Mattiske and Havel, 1998). These vegetation types are underrepresented in the local area with 7, 5 and 13 percent of its pre-European extent remaining in the local area respectively (Government

of Western Australia, 2011; Shepherd, 2007).

The application area contains several Marri trees, which is a food source for Carnaby's cockatoo (*Calyptorhynchus latirostris* - listed as rare or likely to become extinct under the *Wildlife Conservation Act, 1950* (WC Act) and endangered under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999*), Baudin's Black Cockatoos (*Calyptorhynchus baudinii* - rare under the WC Act) and the Red-tailed Black Cockatoo (*Calyptorhynchus banksii* subsp. *naso* - rare under WC Act). A site visit conducted by the Department of Environment and Conservation on 9 April 2013 noted some chewed Marri nuts within the application area (DEC, 2013). Given the application area is small, in degraded (Keighery, 1994) condition, provides low values as an ecological linkage and that there are larger areas of similar vegetation in the local area, likely to be in better condition, the vegetation under application is not likely to be a significant fauna habitat.

There are no rare or priority flora species or threatened ecological communities in the vicinity of the project. The closest record of priority flora is 500 metres and threatened ecological community is 1.3 kilometres from the application area. The vegetation proposed to be cleared is unlikely to contain high biodiversity value or flora and vegetation communities of conservation significance.

The vegetation under application is within the multiple use palusplain wetlands and may contain riparian vegetation. The nearest mapped water bodies are a water drain and minor perennial water course, approximately 170 metres north and 450 metres south 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 may be at variance to (f) and is not likely to be at variance to the remaining clearing principles.

Methodology

References

- DEC (2013)
- Government of Western Australia (2011)
- Heddle et al (1980)
- Keighery (1994)
- Matiske and Havel (1998)
- Shepherd (2007)
- Shire of Serpentine (2013)

GIS databases:

- DEC Managed Lands
- Heddle Vegetation Complexes
- Hydrography, linear
- Matiske Vegetation Complexes
- NWLRA, Extent of Native Vegetation
- Perth Metropolitan Central 15cm Orthomosaic - Landgate 2012
- Pre-European vegetation -
- SAC Bio datasets (Accessed 27 March 2013)
- Soils, statewide

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

Comments

The application is to clear 0.44 hectares within Thomas Road reserve for connecting the intersection of Thomas Road and Plaistowe Boulevard. The Shire of Serpentine-Jarrahdale informed DEC that the application is a matter of urgency and would like to increase the safety of vehicle users on the intersection (Shire of Serpentine-Jarrahdale, 2013).

Shire of Serpentine-Jarrahdale (2013) advised that species of grass trees and kingias will be relocated and retention of more trees will be attempted.

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

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

A Submission (2013) has been received in objection to this application, raising concerns about the lack of consultation from the Shire of Serpentine-Jarrahdale (SSJ) and the impact the proposed development will have on the amenity of the rural space and producing increase safety risk of horses on the bridle trail; frightened by vehicles travelling along Thomas Road. The submission stated that the community had worked hard to establish trees along Thomas Road through revegetation from the seedlings received from the SSJ and the large mature trees appear to provide food and shelter for the black cockatoos in the area. The Submitter recommended that the alignment deviate to the south to avoid the need for clearing (Submission, 2013).

- Methodology** **References**
- Shire of Serpentine-Jarrahdale (2013)
 - Submission (2013)
- GIS databases:
- Aboriginal Sites of Significance
 - Metropolitan Regional Scheme

4. References

- DEC (2013) Site Inspection Report for Clearing Permit Application Clearing Permit Application CPS 5531/1, Thomas Road Reserve, Darling Downs. Site inspection undertaken 09/04/2013. Department of Environment and Conservation, Western Australia. DEC Ref. A618987.
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.
- 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.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment 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 (2012) Clearing Permit Application CPS 5531/1, Thomas Road Reserve, Darling Downs. DEC Ref. A608458 and A618816.
- Submission (2013). Public submission received 24 March 2013. DEC Ref: A612891.

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)