



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6122/1
Permit Holder:	Shire of Chittering
Duration of Permit:	16 August 2014 to 16 August 2019

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

1. Purpose for which clearing may be done

Clearing for the purpose of road widening to improve sightlines.

2. Land on which clearing is to be done

Wandena Road reserve (PIN 11727282, PIN 11727283, PIN 11727284), Lower Chittering and Muchea

3. Area of Clearing

The Permit Holder must not clear more than 0.5 hectares of native vegetation within the area shaded yellow on attached Plan 6122/1.

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.

A handwritten signature in blue ink, appearing to read "Jane Clarkson".

Jane Clarkson
A/SENIOR MANAGER
CLEARING REGULATION

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

17 July 2014

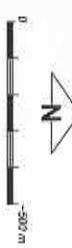
Plan CPS 6122/1



LEGEND

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

* Project Data is denoted by asterisk.
 This data has not been equally assured.
 Please contact map author for details.



(Representative mean representation of A4)
 Geocentric Datum Australia 1994
 Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Jarve Clarkson
 Jarve Clarkson
 Officer with delegated authority under Section 28 of the Environmental Protection Act 1986

Jarve Clarkson Date **17.7.14**



Clearing Permit Decision Report

Government of Western Australia
Department of Environment Regulation

1. Application details

1.1. Permit application details

Permit application No.: 6122/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Chittering

1.3. Property details

Property: ROAD RESERVE (LOWER CHITTERING 6084)
ROAD RESERVE (MUCHEA 6501)
Local Government Area: Shire of Chittering
Colloquial name: Wandena Road

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 17 July 2014

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 Vegetation Association: 1020: Mosaic: Medium forest; jarrah-marri / Medium woodland; marri-wandoo (Shepherd et al, 2001).	The clearing of 0.5 hectares of native vegetation within Wandena Road reserve is for the purpose of road widening.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994) To	The vegetation condition was assessed through a site inspection conducted by Department of Environment Regulation (DER) officers (DER, 2014). The site inspection determined that the vegetation under application is in a degraded to completely degraded condition (Keighery, 1994).
Mapped Mattiske Vegetation Complex: Reagan (Re) Complex: Mixture of low open woodland of Banksia spp.- Eucalyptus todiana to closed heath of Myrtaceae-Proteaceae spp. depending on depth of soils on escarpment in arid zones.		Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994).	
Mogumber (Mb) Complex: Open woodland of Corymbia calophylla with some mixture of Eucalyptus marginata subsp. thalassica and a second storey of Eucalyptus todiana-Banksia attenuata-Banksia menziesii-Banksia ilicifolia on sandy-gravels on the uplands in arid and perarid			

zones (Mattiske and Havel, 1998).

Mapped Heddle
Vegetation Association:

Reagan complex :
Vegetation ranges from
low open woodland of
Banksia species
Eucalyptus tottiana
(Pricklybark) to closed
heath depending on the
depth of soil.

Mogumber Complex-
South: MOGUMBER
COMPLEX - SOUTH :
Open woodland of
Eucalyptus calophylla, with
some admixture of
Eucalyptus marginata
(Jarrah) and a second
storey of Eucalyptus
tottiana (Pricklybark) -
Banksia attenuata -
Banksia menziesii
(Firewood Banksia) -
Banksia ilicifolia (Holly-
leaved Banksia) (Heddle et
al, 1980).

3. Assessment of application against clearing principles

Comments

The application is for the proposed clearing of 0.5 hectares of native vegetation within Wandena Road reserve, Lower Chittering and Muchea, for the purpose of road widening to increase safety. The applicant has advised that an average of one metre of clearing will take place along the length of the road (DER, 2014). Some areas along the road will not require clearing, whilst up to three metres of clearing may be required on the inside of the bends (DER, 2014).

A site inspection of the application area undertaken by the Department of Environment Regulation described the vegetation under application as Eucalyptus wandoo, Eucalyptus marginata and Corymbia calophylla woodland that is in a degraded to completely degraded (Keighery, 1994) condition (DER, 2014). The understorey varies in quality, however all areas proposed for clearing show significant signs of disturbance or are completely devoid of native vegetation (DER, 2014).

There are several priority flora species mapped within a 10 kilometre radius, the closest being a priority 3 species located 230 metres east of the application area. Priority 3 species are generally known from collections from several different localities not under imminent threat (DEC, 2012). Given the small, degraded nature of the application area, it is unlikely that the proposed clearing will impact upon the conservation status of these species.

Two fauna species listed as rare or likely to become extinct under the Wildlife Conservation Act 1950 have been recorded within a 10 kilometre radius, being; Carnaby's cockatoo (*Calyptorhynchus latirostris*) and Australasian Bittern (*Botaurus poiciloptilus*). The vegetation under application provides suitable habitat for Carnaby's cockatoo's. A site inspection revealed that there were large, hollow bearing trees present in the application area, however the applicant advised that these would not be impacted, as the shire intends on retaining all Eucalypts of a significant size (DER, 2014). In addition, the shire is working with the Chittering Valley Land Conservation District Committee to retain all medium to large trees and to ensure that no vegetation is cleared unnecessarily. Given the small and degraded nature of the site (0.5 hectares) and that there is vegetation in a substantially better condition located to the north of the application area, the clearing as proposed is not likely to be significant habitat for these species.

The Australasian Bittern favours freshwater habitats, particularly those dominated by sedges, rushes and reeds that grow over peaty substrates (Department of Environment, 2011). Given the different vegetation association of the application area, it is unlikely to provide suitable habitat for this species.

The application area is not representative of any Threatened Ecological Communities or Priority Ecological Communities mapped within the local area (10 kilometre radius).

Two non-perennial watercourses run through the area under application. However, no wetland vegetation was observed during a site inspection (DER, 2014). Therefore, the proposed clearing is unlikely to impact upon vegetation growing in association with these watercourses.

The closest conservation reserve to the application area is the Barracca Nature Reserve A Class reserve located approximately 5 kilometres north of the current proposal. It is unlikely the proposed clearing will impact upon the environmental values of the reserve given the distance from the reserve to the application area.

Given the small size of the application area, it is unlikely that the proposed clearing will be significant as a remnant of native vegetation, cause or exacerbate land degradation or flooding, or impact upon water quality.

The assessment of the application identified that the clearing is not likely to be at variance to any of the clearing principles.

- Methodology**
- References**
- DEC (2012)
 - DER (2014)
 - Keighery (1994)
 - Department of Environment (2011)
- GIS Databases**
- DEC tenure
 - Hydrography, linear DOW
 - NWLRA, Extent of Native Vegetation
 - Pre-European vegetation
 - SAC Biodatasets - accessed July 2014
 - RIWI Act

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

Comments The applicant proposes to clear 0.5 hectares of native vegetation for the purpose of road widening.

The proposed clearing falls within the Swan River System Surface Water Area. The Department of Water (2014) has advised that under the Rights in Water and Irrigation Act 1914, a permit to 'interfere with bed and banks' may be required to undertake the proposed clearing.

The area under application is covered by an area mapped as an Aboriginal Site of Significance. The applicant should contact the Department of of Aboriginal Affairs to discuss their obligations under the Aboriginal Heritage Act 1972.

The application area is zoned as 'rural' under the Town Planning Scheme Zone.

No submissions have been received.

- Methodology**
- References**
- DoW (2014)
- GIS Databases**
- Aboriginal Sites of Significance
 - Town Planning Scheme Zones

4. References

- Department of Environment (2011) *Commonwealth Listing Advice on Botaurus poiciloptilus (Australasian Bittern)*
<http://www.environment.gov.au/biodiversity/threatened/species/pubs/1001-listing-advice.pdf> (Accessed 14/07/2014)
- DEC (2012) Threatened and Priority Flora List for Western Australia. Department of Environment and Conservation, Perth, Western Australia.
- DER (2014) Site Inspection Report for CPS 6122/1. Department of Environment Regulation. Western Australia. (A781481).
- DoW (2014) Advice for Clearing Permit CPS 6122/1. Department of Water. Western Australia. (DER Ref: A776061).
- 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., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.