



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6813/1
Permit Holder:	Shire of Dardanup
Duration of Permit:	13 February 2016 to 13 February 2021

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 constructing a works depot.

2. Land on which clearing is to be done

Lot 101 on Diagram 91662, Waterloo.

3. Area of Clearing

The Permit Holder must not clear more than 0.4 hectares of native vegetation within the area hatched yellow on attached Plan 6813/1.

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.

5. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for the activities described in condition 1 of this Permit to the extent that the Permit Holder has the power to carry out works involving clearing for those activities under the *Local Government Act 1995* or any other written law.

A handwritten signature in blue ink, appearing to read "James Widenbar", written over a horizontal line.

James Widenbar
MANAGER
CLEARING REGULATION

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

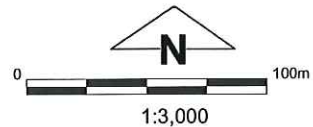
14 January 2016

Plan 6813/1



Legend

-  Imagery
-  Clearing Instruments Activities
-  Roads
-  Local Government Authority
-  Cadastre



(Approximate when reproduced at A4)
GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

James Widenbar Date *14/1/2016*
James Widenbar

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986



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1. Application details

1.1. Permit application details

Permit application No.: 6813/1
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: Shire of Dardanup

1.3. Property details

Property: LOT 101 ON DIAGRAM 91662, WATERLOO
Local Government Authority: DARDANUP, SHIRE OF
DER Region: GREATER SWAN
DPaW District: WELLINGTON
LCDC: DARDANUP
Localities: WATERLOO

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.4		Mechanical Removal	Building or structure

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 14 January 2016
Reasons for Decision: The clearing application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the *Environmental Protection Act 1986*, and has concluded that the proposed clearing is at variance to Principle (f) and is not likely to be at variance to any of the remaining clearing principles.

Through assessment it has been determined that the clearing of a relatively small, completely degraded (Keighery 1994) parkland cleared area is unlikely to have any significant environmental impacts. Relevant State policies and other relevant policies have been taken into consideration in the decision to grant a clearing permit.

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 968 is described as medium woodland; jarrah, marri & wandoo (Shepherd et al. 2001).	The clearing of 0.4 hectares of native vegetation within Lot 101 on Diagram 91662, Waterloo, for the purpose of constructing a works depot.	Completely Degraded; No longer intact, completely/almost completely without native species (Keighery, 1994).	The area to be cleared consists of parkland cleared vegetation, with an overstorey of <i>Corymbia calophylla</i> , <i>Agonis flexuosa</i> and <i>Melaleuca raphiophylla</i> .
Mapped Heddle vegetation complex Guildford complex is described as open Forest to tall open forest and woodland (Heddle et al. 1980).			The condition and description of the vegetation was determined by photos provided by the applicant (Shire of Dardanup 2015).

3. Assessment of application against clearing principles

Comments The application to clear up to 0.4 hectares of native vegetation for the purpose of constructing a works depot is unlikely to have any significant environmental impacts. The vegetation is considered to be in completely degraded (Keighery 1994) condition and consists of parkland cleared vegetation, with an overstorey of *Corymbia calophylla*, *Agonis flexuosa* and *Melaleuca raphiophylla* (Shire of Dardanup 2015).

Given the completely degraded (Keighery 1994) condition of vegetation and lack of understorey species, the vegetation under application is not likely to impact on rare or priority flora or priority or threatened ecological communities.

There are several fauna species of conservation significance mapped within the local area (10 kilometre radius), including the western ringtail possum (*Pseudocheirus occidentalis*), listed as rare or likely to become extinct under the *Wildlife Conservation Act 1950*. Western ringtail possums are most common in coastal or near coastal forest that includes *Agonis flexuosa* (DotE 2016). The application area does not occur within a designated important area for the western ringtail possum within the southern Swan Coastal Plain (DotE 2016). Although *Agonis flexuosa* is present within the application area, given the relatively small size of the proposed

clearing, it is not likely to provide significant habitat for the western ringtail possum or other fauna.

The local area surrounding the application has been extensively cleared and retains approximately 15 per cent native vegetation. The area under application is mapped as Beard vegetation association 968 and Heddle vegetation complex Guildford Complex which retain 7 and 5 per cent of their respective pre-European extents (Government of Western Australia 2014; Parks and Wildlife 2015). The area proposed to be cleared is approximately 0.004 per cent and 0.008 per cent of the remaining extent of the vegetation associations. Although the local area and mapped vegetation associations are highly cleared, given the completely degraded (Keighery 1994) condition the vegetation is not consistent with the mapped vegetation association. Given this and the relatively small size of the application area, the proposed clearing is not likely to be considered a significant remnant.

The application area occurs within an area mapped as a multiple use wetland. Multiple use wetlands are classified as having few important ecological attributes and functions remaining (Water and Rivers Commission 2001). Given the condition of the vegetation and relatively small area the application is not likely to have a significant impact on the values of this wetland. Photos provided by the applicant show several *Melaleuca raphiophylla* occurring within the application area (Shire of Dardanup 2015). *Melaleuca raphiophylla* grow in association with swamps and watercourses (Western Australian Herbarium 1998-).

Given the relatively small size of the application area, the proposed clearing is not likely to contribute to or cause land degradation, impact conservation areas, deteriorate the quality of ground water or surface water and is not likely to cause or exacerbate flooding.

Given the above, clearing the vegetation under application is at variance to Principle (f) and is not likely to be at variance to the remaining principles.

Methodology

References:

- DotE (2016)
- Government of Western Australia (2014)
- Keighery (1994)
- Parks and Wildlife (2015)
- Shire of Dardanup (2015)
- Water and Rivers Commission (2001)
- Western Australian Herbarium (1998-)

GIS Databases:

- SAC Biodatasets accessed December 2015
- Hydrography, linear
- Geomorphic Wetlands (Classification), Swan Coastal Plain
- Parks and Wildlife tenure

Planning instruments and other relevant matters.

Comments

The application area occurs within the Collie River Irrigation District, a *Rights in Water and Irrigation Act 1914* (RIWI Act) irrigation district, and the Bunbury Groundwater Area, a RIWI Act groundwater area. The Department of Water (DoW 2015) considers the construction of the works depot to have a low to moderate level of risk to the surface and ground water quality within the area. DoW has provided advice to the Shire of Dardanup outlining how impacts to water quality can be avoided.

There are no Aboriginal Sites of Significance mapped within the application area.

No public submissions have been received in relation to this application.

Methodology

References:

- DoW 2015

GIS Databases:

- Aboriginal Sites Register System
- RIWI Act, Surface Water Areas and Irrigation Districts
- RIWI Act, Groundwater Areas

4. References

- Department of the Environment (2016) *Pseudocheirus occidentalis* in Species Profile and Threats Database, Department of the Environment, Canberra. Available from: <http://www.environment.gov.au/sprat>
- Department of Water (2015) Advice received in relation to Clearing Permit application CPS 6813/1. Advice received 19 November 2015. DER REF: A1008637.
- Government of Western Australia (2014) 2014 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of June 2014. WA Department of Parks and Wildlife, 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.
- Parks and Wildlife (2015) 2015 South West Forest and Swan Coastal Plain Vegetation Complex Statistics: a report prepared for the Department of Environment Regulation. Current as of March 2015. Department of Parks and Wildlife, Perth,

Western Australia.

Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.

Shire of Dardanup (2015) Supporting documentation provided in relation to Clearing Permit application CPS 6813/1. Received 15 December 2015. DER REF: A1021873 and A1021878.

Water and Rivers Commission (2001) Position Statement: Wetlands, Water and Rivers Commission, Perth.

Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Parks and Wildlife.
<http://florabase.dpaw.wa.gov.au/>.