



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 6568/1

File Number: DER2015/000759-1

Duration of Permit: From 29 August 2015 to 29 August 2017

PERMIT HOLDER

Erica Frances Shedley

LAND ON WHICH CLEARING IS TO BE DONE

Lot 12043 on Deposited Plan 163242, Winnejujup

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.65 hectares of native vegetation within the area cross hatched yellow on attached Plan 6568/1.

CONDITIONS

Nil.

A handwritten signature in cursive script, appearing to read "M Warnock", written over a horizontal line.

M Warnock
SENIOR MANAGER
CLEARING REGULATION

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

30 July 2015

Plan 6568/1



Legend

-  Areas approved to clear
-  Cadastre
-  Roads
-  Local Govt. Authorities (LGA)
- Virtual Mosaic



1:5,000

MGA 94
Geocentric Datum of Australia 1994

M Warnock Date *30/7/15*
M Warnock

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



GOVERNMENT OF
WESTERN AUSTRALIA



1. Application details

1.1. Permit application details

Permit application No.: 6568/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Dr Erica Shedley

1.3. Property details

Property: LOT 12043 ON DEPOSITED PLAN 163242, WINNEJUP
Colloquial name:
Local Government: BRIDGETOWN-GREENBUSHES, SHIRE OF
Authority:
DER Region: Greater Swan
DPaW District: BLACKWOOD
LCDC: BRIDGETOWN -GREENBUSHES
Localities: WINNEJUP

1.4. Application

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

1.5. Decision on application

Decision on Permit: Granted
Application:
Decision Date: 30 July 2015

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 3: Medium forest; jarrah-marri (Shepherd et al. 2001)	The clearing of 0.65 hectares of native vegetation within Lot 12043 on deposited plan 163242, Winnejup, for the purpose of dam construction.	Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994).	The vegetation condition was based on aerial imagery and advice from Parks and Wildlife (2015).
Mattiske vegetation complex NW1 is described as: Woodland of <i>Corymbia calophylla</i> and <i>Eucalyptus marginata</i> subsp. <i>marginata</i> with some <i>Eucalyptus wandoo</i> on upper slopes in the subhumid zone (Mattiske and Havel 1998).			

3. Assessment of application against clearing principles

Comments Application CPS 6568/1 is to clear 0.65 hectares of native vegetation within Lot 12043 on Deposited Plan 163242, Winnejup, for the purpose of dam construction.

Within the local area (10 kilometre radius) three priority flora species have been recorded i.e. a Priority 1, Priority 3 and Priority 4 species. The Priority 1 species is mapped within a different vegetation association and soil type than the application area and is located approximately 10 kilometres from the application area. Priority 3 species are generally known from collections from several different localities not under imminent threat while Priority 4 species are considered to have been adequately surveyed and not in need of special protection but could be if circumstances change (Department of Parks and Wildlife [Parks and Wildlife] 2014). Both of these species are mapped within a different soil type than the application area and are recorded approximately nine kilometres from the proposed clearing. The proposed clearing is therefore not likely to impact on the conservation status of these species.

No rare flora species or priority or threatened ecological communities are mapped within the local area.

Parks and Wildlife (2015) has advised that the application area may contain Flooded Gum, Marri and possibly Wandoo and that these trees may provide foraging, breeding and roosting habitat to black cockatoo species.

Given the small area of proposed clearing (0.65 hectares), it is not likely that the vegetation under application provides significant habitat for black cockatoos, particularly given that the Shire of Bridgetown–Greenbushes retains greater than 50 per cent of its pre-European vegetation extent (Government of Western Australia, 2014). Aerial imagery indicates that the understorey has been impacted by historical disturbance and is therefore unlikely to provide significant habitat for ground dwelling fauna.

Given the above, the application area is not likely to contain a high level of biological diversity.

The national objectives and targets for biodiversity conservation in Australia has a target to prevent clearance of ecological communities with an extent below 30 per cent of that present pre-1750, below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia 2001). Aerial imagery indicates that the local area retains approximately 40 per cent vegetation, with the Jarrah Forest Bioregion and Shire of Bridgetown–Greenbushes retaining above 50 per cent (Government of Western Australia 2014). The application area is therefore not considered to be within a highly cleared landscape.

The application area encompasses a minor, perennial watercourse. The proposed clearing is therefore expected to include riparian vegetation. The potential risks to water quality associated with the proposed clearing relate to sediment transport and associated turbidity of the surface water. Flooding will also occur given that the proposed clearing is for the purpose of constructing a dam. Given the small area of clearing proposed, it is not likely that these impacts will be significant.

Given its small scale, the proposed clearing is not likely to result in appreciable land degradation.

The closest conservation area to the application area is Hester Conservation Park, located approximately 800 metres from the site. Given this distance and the small scale of the application area, the proposed clearing is not likely to impact on the environmental values of this conservation area.

Given the above, the application is at variance to clearing principles (f) and (j), may be at variance to clearing principle (i) and is not likely to be at variance to the remaining clearing principles.

Methodology Commonwealth of Australia (2001)
Government of Western Australia (2014)
Parks and Wildlife (2015)

GIS Datasets:
- IBRA Australia
- Parks and Wildlife Tenure
- Pre-European Vegetation
- SAC Biodatasets Accessed July 2015
- Soils of WA
- Hydrology Linear
- NLWRA Current Extent of Native Vegetation

Planning instruments and other relevant matters.

Comments The Shire of Bridgetown–Greenbushes (2015) has advised that no planning consent is required for the proposed clearing. It is recommended that clearing of creekline vegetation for the construction of an on-stream dam be minimised as it conflicts with the Shire's Natural Environment Strategy, Managing the Natural Environment Policy and Guidelines for the Construction of Dams.

No public submissions have been received.

Methodology Shire of Bridgetown–Greenbushes (2015)

4. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- 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.
- 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.
- Parks and Wildlife (2015) Advice received in relation to clearing permit application CPS 6568/1, received 9 July 2015. Department of Parks and Wildlife, Western Australia (DER Ref: A941536).
- 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 Bridgetown–Greenbushes (2015) Advice received in relation to clearing permit application CPS 6568/1, received 22 June 2015 (DER Ref: A923663).