



1. Application details

1.1. Permit application details

Permit application No.: 423/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: Derek & Tanya Fisher

1.3. Property details

Property: LOT 774 ON PLAN 232895 (Lot No. 774 YOURDAMUNG PALMER 6225)

Local Government Area: Shire Of Collie

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.4		Mechanical Removal	Dam Construction

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
Open forest of Eucalyptus marginata subsp. thalassica-Corymbia calophylla on slopes, woodland of Eucalyptus patens-Eucalyptus rudis with Hakea prostrata and Melaleuca viminea on valley floors in subhumid and semiarid zones.	riparian vegetation	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	

3. Assessment of application against clearing principles

(a) Native vegetation should not be cleared if it comprises a high level of biological diversity.

Comments **Proposal is not at variance to this Principle**
Due to the small amount of clearing it would not impact on the biological diversity of the area.

Methodology EPA (2000)

(b) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.

Comments **Proposal is not likely to be at variance to this Principle**
There was no request for assessment by CALM. The site visit undertaken indicates that the vegetation may provide some habitat for fauna species.

Methodology DoE Site Visit (2004)

(c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, significant flora.

Comments **Proposal is not at variance to this Principle**
No Declared Rare or Priority Flora species are mapped within the local area (10km radius).

Methodology GIS databases: - Declared Rare and Priority Flora List - CALM 13/08/03

(d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a significant ecological community.

Comments Proposal is not at variance to this Principle

There are no records of Threatened Ecological Communities (TEC) or Threatened Plant Communities (TPC) within the local area (10km radius).

Methodology GIS databases:

- Threatened Ecological Communities - CALM 15/7/03
- Threatened Plant Communities - DEP 06/95.

(e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.

Comments Proposal is not at variance to this Principle

The application is located in the Jarrah Forest Bioregion in the Shire of Collie. The extent of native vegetation in these areas is 58.3% and 94.1% respectively (Shepherd et al. 2001).

	Pre-European (ha)*	Current extent (ha)*	Remaining (%)*	Conservation** status
IBRA Bioregion - Jarrah Forest***	4544335	2 624 301	58.3	Least Concern
Shire of Collie	172 072	161 845	94.1	Least Concern
Vegetation type: Beard: Unit 1114	23 869	17938	75.2	Least Concern
Mattiske: Yarragil 2 (Yg2)	502 648	481 574	95.8	Least Concern

* (Shepherd et al. 2001)

** (Department of Natural Resources and Environment 2002)

*** Within the Intensive Landuse Zone

Methodology

- Hopkins et al. (2001)
- Havel (2002)
- Shepherd et al. (2001)
- Department of Natural Resources and Environment (2002)
- GIS databases:
 - Mattiske Vegetation - CALM 24/3/98
 - Interim Biogeographic Regionalisation of Australia - EM 18/10/00
 - Pre European Vegetation - DA 01/01
 - Local Government Authorities - DLI 8/07/04

(f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.

Comments Proposal is at variance to this Principle

The proposed clearing is on a minor perennial watercourse.

Methodology GIS databases: Hydrography Linear - DoE 1/2/04

(g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.

Comments Proposal is not likely to be at variance to this Principle

There is no information for Acid Sulphate Soils on the property. Groundwater salinity is mapped at 1000 - 3000 mg/L. Salinity is mapped at a low risk area.

It is not likely that the proposed clearing will cause significant land degradation.

Methodology GIS databases:

- Salinity Risk LM 25m - DOLA 00.
- Groundwater Salinity, Statewide - 22/02/00
- WIN Groundwater Sites, Other - non DEWCP (Current)
- WIN Groundwater Sites, Other - DEWCP (Current)

(h) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.

Comments Proposal is not at variance to this Principle

CALM Managed Lands/Water located near the area under application include the Harris River State Forest 719m west and the Muja State Forest 1.3km north. Both area linked by vegetation.

The proposed clearing will not have any significant effect on the environmental values of the CALM Managed Lands due to it's size.

Methodology GIS database:
- CALM Managed Lands and Waters - CALM 1/06/04
- Bunbury 1m Orthomosaic - DOLA 11/00

(i) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.

Comments Proposal is not likely to be at variance to this Principle

A spring 2.7km north east of the proposed site has a salinity reading of 80 mg/L and another bore with static water level of 2.36m that is 2.36km to the south west has a salinity reading of 580 mg/L.

The proposed clearing is not likely to effect the water quality due to its size.

Methodology GIS databases:
- WIN Groundwater Sites, Other - non DEWCP (Current)
- WIN Groundwater Sites, Other - DEWCP (Current)

(j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence of flooding.

Comments Proposal is at variance to this Principle

Flooding impacts are unlikely to occur as a result of the proposed clearing due to its size.

Methodology GIS databases: Topographic Contours, Statewide - DOLA 12/09/02

Planning instrument or other matter.

Comments

No planning issues or other issues have been raised by the Shire of Collie.

The property is zoned RURAL.

Methodology

4. Assessor's recommendations

Purpose	Method	Applied area (ha)/ trees	Decision	Comment / recommendation
Dam Construction	Mechanical Removal	0.4	Grant	The application is at variance to principle (f) however the applicant has been issued with a CAWS Licence (SWO24079) that required they plant back two times the equivalent area cleared (0.8ha) that are native to the area

5. References