



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3950/2

File Number: 2010/006804-1

Duration of Permit: From 7 November 2010 to 7 November 2014

PERMIT HOLDER

Eugene Peter Henningheim

Gail Henningheim

LAND ON WHICH CLEARING IS TO BE DONE

Lot 9083 on Deposited Plan 201677

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 5.17 hectares of native vegetation within the area hatched yellow on attached Plan 3950/2.

CONDITIONS

1. Dieback and weed control

When undertaking any clearing or other activity authorised under this Permit, the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds* and *dieback*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) shall only move soils in *dry conditions*;
- (c) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (d) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

Definitions

The following meanings are given to terms used in this Permit:

dieback means the effect of *Phytophthora* species on native vegetation;

dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

fill means material used to increase the ground level, or fill a hollow;

mulch means the use of organic matter, wood chips or rocks to slow the movement of water across the soil surface and to reduce evaporation;

weed/s means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.

Handwritten signature of Roxane Shadbolt in black ink.

Roxane Shadbolt

A/MANAGER

NATIVE VEGETATION CONSERVATION BRANCH

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

18 October 2012



1. Application details

1.1. Permit application details

Permit application No.: 3950/2
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Eugene Peter and Gail Henninghelm

1.3. Property details

Property: LOT 9083 ON PLAN 201677 (House No. 513 STIRLING CHANNYBEARUP 6260)
Local Government Area: Shire of Manjimup
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 18 October 2012

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: Beard Vegetation Association 1 - Tall forest; karri Beard Vegetation Association 3 - Medium Forest Jarrah Marri Mattiske Vegetation Complex PM1 - Pemberton - Tall open forest of Eucalyptus diversicolor with mixtures of Corymbia calophylla on valley slopes and low forest of Agonis juniperina-Banksia seminuda-Callistachys lanceolata on valley floors in the perhumid zone. (Shepherd et al, 2001; Mattiske and Havel, 1998)	The proposal is to clear up to 5.17 hectares of native vegetation for the purpose of expanding an orchard and existing dam.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The vegetation condition has been determined using available aerial photography (Donnelly 50cm Orthomosaic-Landgate 2007)

3. Assessment of application against clearing principles

The application to clear 5.17 hectares of native vegetation for the purpose of expanding an orchard and existing dam is not likely to have any significant environmental impacts.

The application area is considered to be in a good (Keighery 1994) condition and is surrounded by extensive, intact state forest. There are several threatened fauna species which have been recorded in the local area (10km radius) however the area under application is not likely to provide significant habitat for native fauna in a local context.

The application area forms part of the South West Regional Ecological Linkage (SWREL) area which has a proximity value of 1a: a patch with an edge touching or <100m from a linkage (Molloy et al, 2009). Given that the application area will not fragment the patch identified in the SWREL analysis, and considering that the application area is surrounded by vegetation in better condition, the impacts on the linkage are not likely to be significant.

The application area lies within the Warren River Water Reserve which is subject to Country Areas Water Supply Act (1947) (CAWS Act) native vegetation clearing controls to prevent salinisation of water resources, and is located in Zone D, a low salinity risk part of this catchment. If the proposed clearing is undertaken there will be greater than 10% of native vegetation left on the property which is above the minimum set by Department of Water policy. The clearing is unlikely to cause deterioration in the quality of surface or underground water.

Treen Brook, a minor perennial watercourse is located approximately 750m south-west of the area under application. The existing dam on Lot 9083 straddles a tributary of Treen Brook, a section of which forms part of the application area. Therefore the clearing proposed is at variance to principle (f).

There are no records of rare flora or threatened ecological communities within a 10km radius. Given that the application area is surrounded by vegetation in better condition and considering that the application area lies in a region that is subject to high levels of rainfall, there may be increased potential for the spread of dieback (*Phytophthora cinnamomi*) or weed species through the movement of topsoil. Dieback and weed management will minimise this potential risk.

The clearing as proposed is at variance to principle (f) and is not likely to be at variance to the remaining clearing principles.

Methodology **References**
-DoW (2012)
-Keighery (1994)
-Mattiske Consulting (1998)
-Molloy et al (2009)

GIS database:
- Pre European Vegetation
- Mattiske Vegetation
- Interim Biogeographic Regionalisation of Australia
- Donnelly 50cm Orthomosaic

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

Comments

Advice from the Department of Water has identified that the clearing proposal does not require a CAWS Act licence or Surface Water Licence under the Right in Water and Irrigation Act 1914 (DoW, 2012).

Shire of Manjimup (2012) advise that no planning approvals are required for the expansion of the dam.

Methodology **References**
- DoW (2012)
- Shire of Manjimup (2012)
GIS database:
- Country Area Water Supply Act (Part IIA)
- RIWI Act, Irrigation Districts

4. References

- Department of Water (2012). Country Area Water Supply Advice concerning application for Clearing Permit CPS 3950/2. DEC Ref: A544812.
- 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.
- Molloy, S., Wood, J., Hall, S., Wallrodt, S. and Whisson, G. (2009) South West Regional Ecological Linkages Technical Report. Western Australian Local Government Association and Department of Environment and Conservation, 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 Manjimup (2012) Planning advice for Clearing Permit Application CPS 3950/2, Lot 9083 on Plan 201677 (DEC Ref. A543443).

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