



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3370 / 1

File Number: DEC13418

Duration of Permit: From 12 December 2009 to 12 December 2013

PERMIT HOLDER

Shire of Manjimup

LAND ON WHICH CLEARING IS TO BE DONE

Perup Road Reserve (BALBARRUP 6258)

Lot 300 on Plan 38607

AUTHORISED ACTIVITY

Clearing of up to 20 native trees within the area shaded yellow on attached Plan 3370/1.

CONDITIONS

1. Dieback and weed control

- (a) 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:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
 - (ii) shall not move soils in wet conditions;
 - (iii) ensure that no dieback or weed-affected soil, mulch, fill or other material is brought into the area to be cleared; and
 - (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- (b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any weeds growing within areas cleared under this Permit.

2. Revegetation and rehabilitation

- (a) Within twelve months of clearing any area authorised under this Permit, the Permit Holder must *plant* 20 native trees within the area shaded red on attached Plan 3370/1, ensuring only *local provenance* seeds and propagating material are used.
- (b) Within twelve months of undertaking planting in accordance with condition 2(a) of this Permit, the Permit Holder must:
 - (i) determine the survival rate of the trees *planted* in accordance with condition 2(a); and
 - (ii) where, in the opinion of an *environmental specialist*, the trees planted under condition 2 (a) are unlikely to survive long term, additional planting is required in accordance with condition 2 (a).

3. Records to be kept

In relation to the *planting* of areas pursuant to condition 2 of this Permit:

- (a) the location of any areas *planted*, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;
- (b) a description of the *planting* activities undertaken;
- (c) the number of trees *planted*; and
- (d) the species composition, structure and density of *planting*.

4. Reporting

- (a) The Permit Holder must provide to the CEO, on or before 30 June of each year, a written report of records required under condition 3 of this Permit and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 12 September 2013, the Permit Holder must provide to the CEO a written report of records required under condition 3 of this Permit where these records have not already been provided under condition 4(a) of this Permit.

Definitions

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

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

environmental specialist means a person who is engaged by the Permit Holder for the purpose of providing environmental advice, who holds a tertiary qualification in environmental science or equivalent, and has experience relevant to the type of environmental advice that an environmental specialist is required to provide under this Permit;

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;

plant/ed/ing means the re-establishment of vegetation by creating favourable soil conditions and planting seedlings of the desired species;

term means the duration of this Permit, including as amended or renewed;

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*.

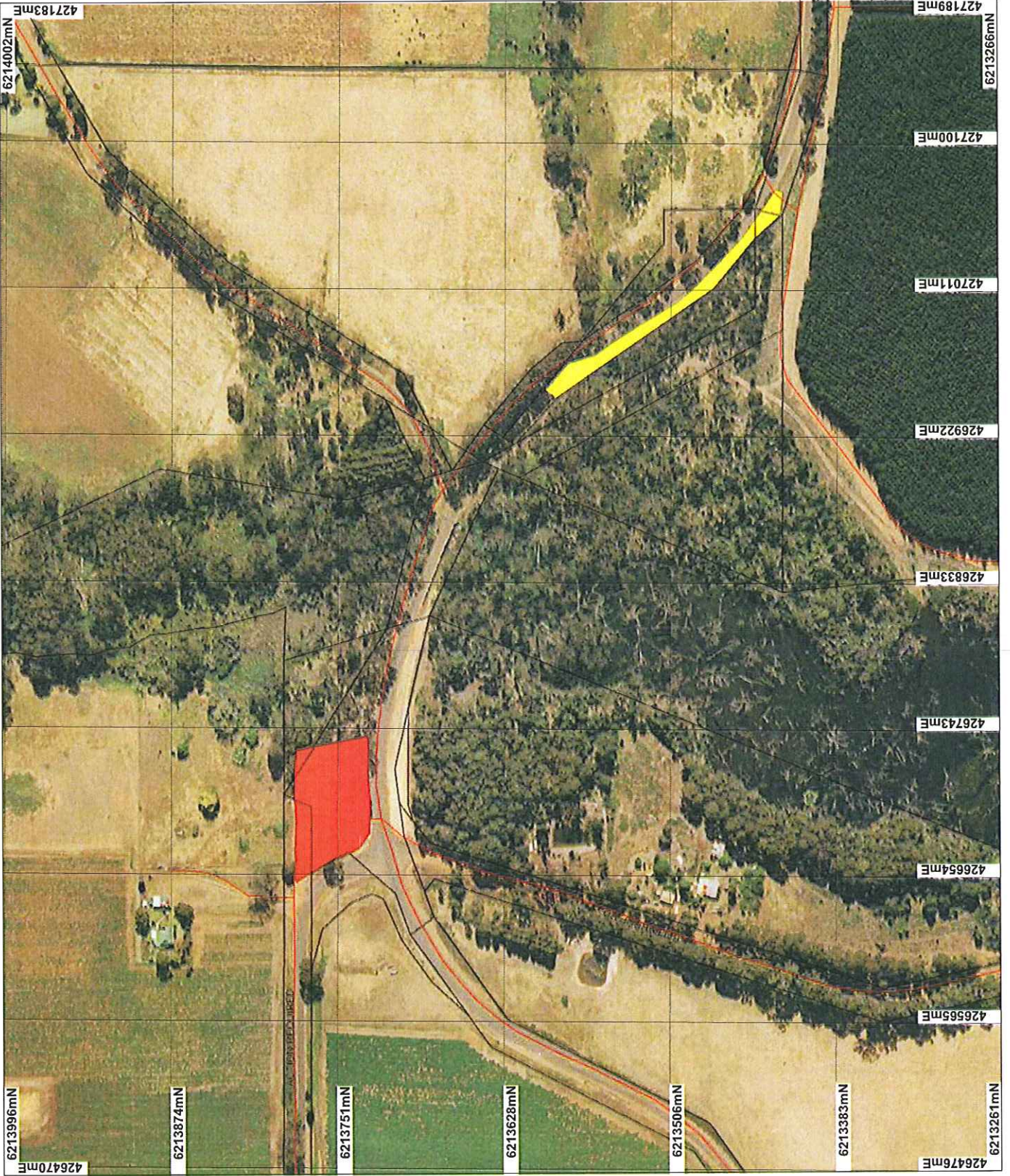


Keith Claymore
A/ ASSISTANT DIRECTOR
NATURE CONSERVATION DIVISION

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

12 November 2009

Plan 3370/1



LEGEND

- Clearing Insettlement Road Constraints
- Constraints
- Interimmap 50cm Ort 2004



0 100 m

Scale 1:3490

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Kate Chapman reports

R Claymore

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

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



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1. Application details

1.1. Permit application details

Permit application No.: 3370/1
 Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Manjimup

1.3. Property details

Property: LOT 300 ON PLAN 38607 (BALBARRUP 6258)
 ROAD RESERVE (BALBARRUP 6258)
 ROAD RESERVE (MANJIMUP, SHIRE OF)

Local Government Area:

Colloquial name:

1.4. Application

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

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
Beard Vegetation Association 3: Medium forest; jarrah-marri. (Shepherd 2007)	The application is to clear 20 native trees along road reserve for road upgrades. The dominant species are Eucalyptus marginata and Corymbia calophylla, with a mostly weedy understorey.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The vegetation description and condition was determined from a site visit conducted 9 September 2009 (DEC 2009).
Mattiske Vegetation Complex: Wheatley: Woodland of Eucalyptus marginata subsp. marginata-Eucalyptus wandoo on slopes with woodland of Eucalyptus rudis on valley floors in the humid zone. (Mattiske 1998)	The vegetation is considered to be in degraded (Keighery 1994) condition.		

3. Assessment of application against clearing principles

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

Comments

The application is to clear 20 native trees along Perup Road for the purpose of road upgrades. The vegetation is considered to be in degraded (Keighery 1994) condition, with a Eucalyptus marginata and Corymbia calophylla overstorey, with a mostly weedy understorey.

The vegetation is mapped as Beard Vegetation Association 3, of which 69.32% of the pre-European extent remains within the Jarrah Forest IBRA bioregion (Shepherd 2007). Additionally, 68.3% of the mapped Mattiske Vegetation Complex, Wheatley2, remains (Mattiske 1998).

Given the extent of native vegetation remaining in the local area (10km radius) is approximately 60%, much of which is within DEC managed lands and the degraded condition of the area under application, the 20 native trees under application are not considered to represent locally high biological diversity, and are unlikely to contain significant habitat for rare or priority flora and fauna.

Additionally, the clearing of 20 native trees within a well vegetated landscape is not likely to cause appreciable deterioration in water quality or land degradation.

However, the proposed clearing has the potential to introduce or spread weed or dieback into surrounding vegetation, compromising local biological diversity. The clearing as proposed may therefore be at variance to Principle (a), and hygiene conditions will be placed on the permit to reduce these risks.

Additionally, the application lies within Zone B of the CAWS Act Warren River Water Reserve, a high salinity risk area. The Department of Water supports the clearing within this area for government works provided an

equivalent area is reforested within the same or higher salinity risk zone (DOW 2009). The clearing as proposed is considered to be at variance to Principle (i) and revegetation conditions will be imposed on the permit requiring the planting of at least 20 trees within a nearby area as agreed to by the applicant (TRIM ref DOC105079).

The clearing as proposed is not likely to be at variance to the remaining clearing principles.

Methodology Mattiske (1998)
Shepherd (2007)
Keighery (1994)
DOC (2009)
TRIM ref DOC105079

GIS database:

- SAC Biodatasets - accessed 25 August 09
- Mattiske Vegetation (01/03/1998)
- Pre European Vegetation - DA 01/01
- Clearing Regulations, Environmentally Sensitive Areas 30 May 2005
- NLWRA, Current Extent of Native Vegetation 20 Jan 2001

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

Comments

The application falls within land vested to the Shire of Manjimup for roads.

Methodology

4. Assessor's comments

Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is at variance to Principle (i), may be at variance to Principle (a) and is not likely to be at variance to the remaining clearing Principles.

5. References

- Department of Water (2009). Country Area Water Supply Advice. DEC TRIM Ref: DOC98870.
- 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. (2007). Adapted from: 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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

6. 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
WRC	Water and Rivers Commission (now DEC)