



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3835/1

File Number: 2010/005140-1

Duration of Permit: From 26 September 2010 to 26 September 2012

PERMIT HOLDER

Bradley Dean Wren

LAND ON WHICH CLEARING IS TO BE DONE

Lot 11917 on Deposited Plan 161216

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 2.2 hectares of native vegetation within the area hatched yellow on attached Plan 3835/1.

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*.

A handwritten signature in black ink, appearing to read 'Kelly Faulkner', written over a horizontal line.

Kelly Faulkner

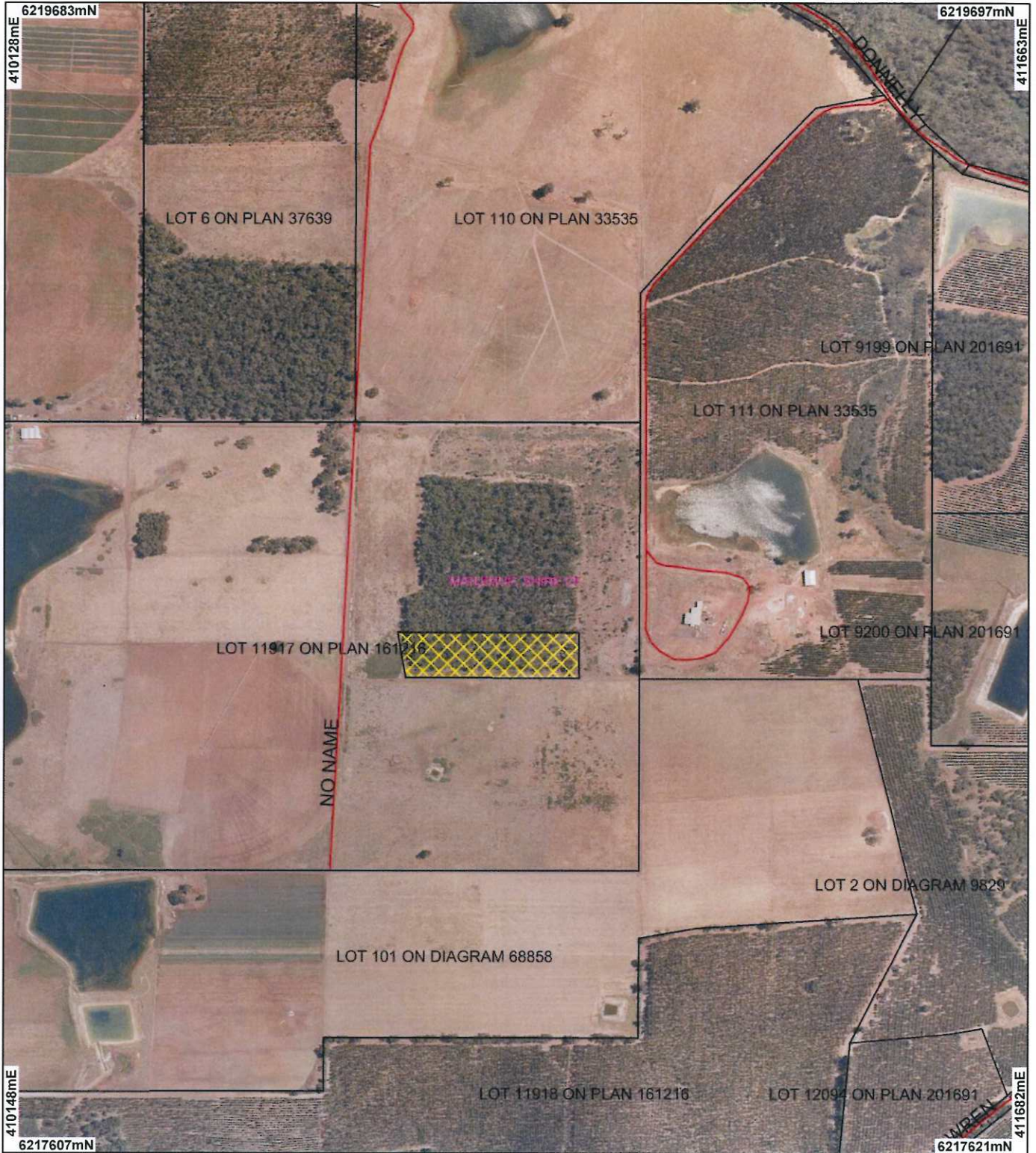
MANAGER

NATIVE VEGETATION CONSERVATION BRANCH

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

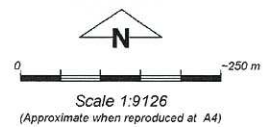
26 August 2010

Plan 3835/1



LEGEND

- | | |
|-------------------------|---|
| Areas Approved to Clear | Local Government Authorities |
| Road Centrelines | Manjimup 50cm Orthomosaic - Landgate 2007 |
| Cadastre | |
| Towns | |



Geocentric Datum Australia 1994

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

Date 26/8/0

K Faulkner
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.



Department of Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 3835/1
 Permit type: Area Permit

1.2. Proponent details

Proponent's name: Bradley Dean Wren

1.3. Property details

Property: LOT 11917 ON PLAN 161216 (YANMAH 6258)
 Local Government Area:
 Colloquial name:

1.4. Application

| Clearing Area (ha) | No. Trees | Method of Clearing | For the purpose of: |
|--------------------|-----------|--------------------|---------------------|
| 2.2 | | Mechanical Removal | Horticulture |

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 Associations: 3 - Medium forest; jarrah-marri | The proposal is to clear 2.2 hectares of native vegetation within the Shire of Manjimup for the purpose of horticulture. | Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994) | A site inspection conducted by DEC staff on 18 August 2010 identified that the vegetation under application is in good (keighery 1994) condition. |

Mattiske Vegetation Complex:

BE1- Tall open forest of *Corymbia calophylla*-*Eucalyptus marginata* subsp. *marginata* on uplands in perhumid and humid zones.

CL1 - Mosaic of open forest of *Eucalyptus marginata* subsp. *marginata*-*Banksia* spp. on well drained sites, with some *Eucalyptus decipiens* on lower slopes in southern areas, woodland of *Eucalyptus rudis*-*Melaleuca preissiana*-*Banksia littoralis* on depressions in perhumid and humid zones.

3. Assessment of application against clearing principles

Comments

The proposal to clear 2.2 hectares of native vegetation within the Shire of Manjimup for the purpose of horticulture is not likely to have any significant environmental impacts.

The area under application is considered to be in good (Keighery, 1994) condition having been the subject of multiple disturbances in the form of grazing and fire (DEC, 2010). There are several threatened fauna species which have been recorded in the local area (10km radius) however the area under application is surrounded by extensive, intact native vegetation in similar or better condition which may provide habitat for fauna species. Although the area contains some large trees evidence of these being used by native fauna was not observed (DEC, 2010). The North Donnelly State Forest is located 1.2 km north of the area under application and given

the small size of the area proposed to be cleared the vegetation to be removed is not likely to provide a significant habitat for native fauna in a local context.

The area under application forms part of the South West Regional Ecological Linkage area which has a proximity value of 2b: a patch with an edge touching or <500m from a natural area with an edge touching or < 500m from a linkage (Molloy et al, 2009). Given that the area applied to be cleared is 1km from the identified linkage and will not fragment the patch identified in the SWREL analysis the impacts on the linkage are not likely to be significant.

There are 6 recorded occurrences of the declared rare flora species *Caladenia harringtoniae* 4.7km north of the area under application. *Caladenia harringtoniae* occurs in sandy loam soils, winter-wet flats, the margins of lakes, creek lines and granite outcrops (WA Herbarium 1998-). The area under application is not representative of these habitat types and not likely to provide habitat for this declared rare flora species.

There are no threatened ecological communities in the vicinity of the project and the area under application is not associated with any permanent wetlands or watercourses. The vegetation to be cleared is well represented regionally and locally. Dieback has been mapped within 5kms of the area under application however dieback management will prevent its further spread (DEC 2006). Given the clearing consists of 2.2 hectares of native vegetation in good (Keighery, 1994) condition (DEC, 2010) and the high vegetation representation in the surrounding area, it is unlikely the proposal will be considered to impact on conservation areas or cause or exacerbate land degradation, water quality or flooding.

Therefore the proposed clearing is not likely to be at variance to the clearing principles.

Methodology

- DEC (2006)
- DEC (2010)
- Keighery (1994)
- WA Herbarium (1998-)
- Mattiske Consulting (1998)
- Molloy (2009)
- GIS database:
 - Pre European Vegetation - DA 01/01
 - Mattiske Vegetation (01/03/1998)
 - Interim Biogeographic Regionalisation of Australia - EA 18/10/00
 - Manjimup 50cm Orthomosaic - Landgate 2007
 - SAC Biodatasets - accessed 29/07/2010
 - ANCA wetlands - Environment Australia 26/3/99
 - CALM Managed Lands and Waters - CALM 01/06/05
 - EPP Lakes Policy Area - DEP 14/05/97
 - EPP, Wetlands 2004 (DRAFT) - EPA 21/7/04
 - Hydrography linear - DOW 13/7/06
 - Hydrography linear (hierarchy) - DoW 13/7/06
 - Ramsar wetlands - DEC 03
 - Average Annual Rainfall Isohyets - WRC 29/09/98
 - Annual Evaporation Contours (Isopleths) - WRC 29/09/98
 - Hydrogeology, statewide - DOW 13/07/06
 - Hydrographic catchments, catchments - DoW 01/06/07
 - Salinity Risk LM 25m - DOLA 00
 - Register of National Estate - Environment Australia, Australian and world heritage division 12 Mar 02
 - System 1 to 5 and 7 to 12 areas DEC 11/7/06
 - CALM Managed Lands and Waters - CALM 01/06/05
 - Topographic Contours, Statewide - DOLA 12/09/02

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

Comments

The Shire of Manjimup has requested that the proponent comply with all requirements relating to the town planning scheme, local laws and legislation relating to the movement of heavy vehicles and the repair of road damage resultant from the use of those vehicles.

Advice from the Department of Water has identified that the clearing of land for horticulture is consistent with the applicants current Surface Water Licence and there are no other surface water issues that need addressing in this proposal.

Methodology

- GIS database:
 - Native Title Claims - LA 2/5/07
 - Aboriginal Sites of Significance 26 April 2007
 - Country Area Water Supply Act (Part IIA) Clearing Control Catchments 29/06/2006
 - RIWI Act, Groundwater Areas - DoW 13/07/06
 - RIWI Act, Irrigation Districts - DoW 13/07/06

4. References

- DEC (2010) Site Inspection Report for Clearing Permit Application CPS 3835/1, Lot 11917 Mitchelldean Road, Yanmah. Site inspection undertaken 18/08/2010. Department of Environment and Conservation, Western Australia (DEC Ref: A326481).
- DEC (2006) Phytophthora Dieback Atlas, Department of Environment and Conservation, 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.
- 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.
- Sac Bio Datasets (29/07/2010). Department of Environment and Conservation, Sac Bio Datasets, Kensington, Western Australia.
- Shepherd, D.P. (2009) 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.
- Western Australian Herbarium (1998-). FloraBase - The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> Accessed on Monday, 29 July 2010.

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 |
| WRC | Water and Rivers Commission (now DEC) |