



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4051/1

File Number: 2010/009161-1

Duration of Permit: From 27 December 2010 to 27 December 2012

PERMIT HOLDER

Harvey River Restoration Taskforce Inc on behalf of the Shire of Waroona and Alcoa of Australia Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Lot 201 on Diagram 63804, Wagerup

Bancell Road reserve, Wagerup (PIN 11602717)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 60 dead native trees within the area hatched yellow on attached Plan 4051/1.

CONDITIONS

Nil.

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*

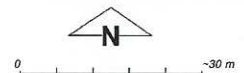
2 December 2010

Plan 4051/1



LEGEND

- Cadastre
- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities
- Pinjarra 50cm Orthomosaic - Landgate 2006



Scale 1:1216
(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.

[Signature]
Date 2/12/10

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.: 4051/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Harvey River Restoration Taskforce Inc

1.3. Property details

Property: ROAD RESERVE (WAGERUP 6215)
LOT 201 ON DIAGRAM 63804 (Lot No. 201 SOMERS WAGERUP 6215)

Local Government Area: Shire of Waroona

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
	60	Mechanical Removal	Restoration

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 2 December 2010

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: 968: Medium woodland; jarrah, marri & wandoo (Shepherd, 2009)	The vegetation under application consists of up to 60 dead native trees within Lot 201 on Diagram 63804 and Bancell Road reserve, Wagerup (Shire of Waroona).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition was determined through aerial imagery and photographs supplied by the applicant (HRRT, 2010).
Hedde Vegetation Complex: Serpentine River Complex	The Harvey River Restoration Taskforce Inc (HRRT) proposes to restore the area by removing the dead trees and replacing them with seedlings of local provenance (HRRT, 2010).		
Closed scrub of Melaleuca species and fringing woodland of Eucalyptus rudis (Flooded Gum) - Melaleuca raphiophylla (Swamp Paperbark) along streams (Hedde et al., 1980)	The vegetation under application has been severely impacted by a fire that the applicant advised occurred in late spring 2005, resulting in the death of the trees that are proposed to be removed and replaced. The applicant advised that the dead trees may consist of Jacksonia stembergiana, Jacksonia furcellata and possibly some Acacia sp (HRRT, 2010).		
	There is little native understorey remaining and the area appears to be dominated by agricultural weeds. The applicant advised of the presence of Lepidosperma sp and Meeboldina cana in the understorey and that there is a solitary Kingia australis within the area to be restored (HRRT, 2010).		

3. Assessment of application against clearing principles

Comments

The application is to remove up to 60 dead native trees from within an area measuring approximately 130m x 25m at Lot 201 on Diagram 63804 and Bancell Road reserve, for the purpose of restoring the area by planting seedlings of local provenance.

The applicant advised the trees under application were killed in a fire in late spring, 2005 and any burnt trees in this area that are recovering will not be removed.

The vegetation under application is in degraded (Keighery, 1994) condition with reduced floristic diversity and is unlikely to provide significant habitat for native fauna, flora of conservation significance or to hold significant biodiversity values for the region.

Aerial imagery indicates there is less than 10% native vegetation remaining in the local area (10km radius) and the vegetation under application (Beard 968) is poorly represented, with 7.23% of the pre-European extent within the Swan Coastal Plain bioregion, with 14.8% (1,458ha) of the current extent held in secure land tenure (Shepherd, 2009). However, given the degraded (Keighery, 1994) condition of the vegetation under application it is not considered to be representative of the vegetation associations mapped and is not considered to be significant as a remnant of native vegetation in a highly cleared landscape.

The application area is in close proximity to a significant stream, with the Bancell Brook Drain (major drain) located approximately 10m to the south. There is an unsealed roadway separating the application area and the drain. Only dead trees will be removed from the application area.

Considering the purpose of the proposed clearing is for restoration activities, the removal of up to 60 dead trees is not likely to cause appreciable land degradation or water quality issues, nor is it likely to increase the incidence or intensity of flooding.

Given the above, the proposed clearing is not likely to be at variance with the clearing principles.

Methodology Refereces:
Keighery, 1994
Shepherd, 2009

GIS Databases:
- ANCA, Wetlands - 26/03/99
- DEC Managed Lands & Waters - DEC 28/10/09
- Heddle Vegetation Complexes - DEP 22/06/95
- Hydrography, linear DoW 13/7/06
- Pinjarra 50cm Orthomosaic - Landgate 2006
- Pre-European vegetation - DA 01/01
- RAMSAR, Wetlands - 15/10/09
- SAC Biodatasets - 24/11/10
- Soils, Statewide - 30/11/99
- Topographic Contours, Statewide - DOLA 12/09/02

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

Comments

The Harvey River Restoration Taskforce Inc (HRRT) advised it is acting on behalf of the landowners of the Bancell Road reserve and Lot 201 on Diagram 63804, the Shire of Waroona and Alcoa of Australia Ltd, respectively. The landowners have authorised the HRRT to apply for a clearing permit.

The application area is within the Murray Groundwater area proclaimed under the Rights in Water and Irrigation Act 1914. The use of groundwater will not be required for this application.

There are no known Aboriginal Sites of Significance within the application area.

Methodology GIS Databases:
- Aboriginal Sites of Significance - DIA 02/10
- Cadastre - Landgate 12/09
- Environmental Impact Assessments - EPA 08/03/05
- Public Drinking Water Source Areas (PDWSAs) - 07/02/06
- RIWI Act, Areas - DoW 05/04/02
- RIWI Act, Groundwater Areas - DoW 13/07/06
- RIWI Act, Irrigation Districts - DoW 13/07/06
- Town Planning Scheme Zones - MFP 31/08/98

4. References

- Heddle, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- HRRT (2010) Clearing permit application - supporting information. Harvey River Restoration Taskforce Inc. DEC Ref: A343763, A350587, A350589
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, 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.

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)