



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4066/1
Permit Holder:	Water Corporation
Duration of Permit:	24 January 2011 – 24 January 2013

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

PART I – CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing for the purpose of decommissioning two water tanks.

2. Land on which clearing is to be done

Lot 550 on Deposited Plan 58079 (Mount Clarence 6330)

Road Reserve PIN 11470974 (Mount Clarence 6330)

Road Reserve PIN 11470975 (Mount Clarence 6330)

3. Area of Clearing

The Permit Holder must not clear more than 0.36 hectares of native vegetation within the area shaded yellow on attached Plan 4066/1.

4. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

5. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for *project activities* to the extent that the Permit Holder has the power to clear native vegetation for those *project activities* under the *Water Corporation Act 1995* or any other *written law*.

6. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

7. Avoid, minimise etc clearing

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

- avoid the clearing of native vegetation;
- minimise the amount of native vegetation to be cleared; and
- reduce the impact of clearing on any environmental value.

8. 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 soil 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; and

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*.



Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

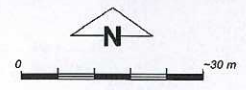
30 December 2010

Plan 4066/1



LEGEND

- | | |
|---|--|
| <p>Clearing Instruments</p> <ul style="list-style-type: none"> Areas Approved to Clear Road Centrelines Cadastre Local Government Authorities | <p>Albany 50cm Orthomosaic - Landgate 2007</p> |
|---|--|



Scale 1:1200
(Approximate when reproduced at A4)

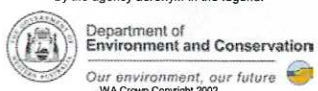
Geocentric Datum Australia 1994

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

K Faulkner Date *30/12/02*

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.



* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 4066/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Water Corporation

1.3. Property details

Property: LOT 550 ON PLAN 58079 (MOUNT CLARENCE 6330)
ROAD RESERVE (MOUNT CLARENCE 6330)
ROAD RESERVE (MOUNT CLARENCE 6330)

Local Government Area:

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.36		Mechanical Removal	Building or Structure

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 30 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
<p>The vegetation under application is mapped as: Beard vegetation association 3: Medium Forest; jarrah and marri (Hopkins et al 2001; Shepherd 2009)</p> <p>The Albany Regional Vegetation Survey (Sandiford and Barrett 2010) identified the area under application as occurring within vegetation type Marri/Jarrah Forest/Peppermint Woodland.</p>	<p>The clearing proposal is to clear 0.36 ha of native vegetation within Lot 550 (Reserve 16746) and Watkins Road Reserve.</p>	<p>Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)</p> <p>to</p> <p>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)</p>	<p>The condition and description of the native vegetation under application was determined from Albany Regional Vegetation Survey (Sandiford and Barrett 2010) aerial imagery (Albany Townsite 20cm Orthomosaic-Landgate 2007).</p>

3. Assessment of application against clearing principles

Comments

The proposed clearing is 0.36 hectares of native vegetation within Lot 550 (Reserve 16746) and Watkins Road Reserve for the purpose of decommissioning two water tanks. Aerial imagery shows that the water tanks have been in that location for over ten years. The vegetation under application is associated with Beard vegetation type 3 and aerial imagery shows areas of relatively intact vegetation, considered to be in very good to degraded (Keighery, 1994) condition.

There are no declared rare flora species or threatened ecological communities in the vicinity of the project. The vegetation to be cleared is well represented in the local area, and would not have a detrimental impact on fauna.

Given the relatively small scale of the proposed clearing, the vegetation under application is considered to comprise limited habitat or biodiversity values. The assessment considered that the proposed clearing is not likely to significantly impact any biodiversity, land degradation, or environmental water values within the local or regional context. Therefore, the proposed clearing is not considered likely to be at variance to the remaining clearing principles.

Methodology References:
- Keighery (1994)

- GIS databases:
 - Albany 1m Orthomosaic - Landgate 2001
 - Albany 50cm Orthomosaic - Landgate 2007

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

Comments

The vegetation under application is located in the area defined in EPA Position Statement No. 2 (EPA 2000).

Lot 550 or Reserve 16746 is vested with Water Corporation for the purpose of water.

Watkins Road Reserve is a public road managed by the City of Albany. The City has given approval to Water Corporation to clear vegetation in the road reserve, which mostly comprises weeds, with the requirement that the area is then revegetated with local native species (Water Corporation 2010).

Methodology

References:

- EPA (2000)
- Water Corporation (2010)

GIS Database:

- Cadastre

4. References

EPA (2000) Environmental protection of native vegetation in Western Australia. Clearing of native vegetation, with particular reference to the agricultural area. Position Statement No. 2. December 2000. Environmental Protection Authority, Western Australia.

Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.

Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Sandiford E.M. and Barrett S. (2010) Albany Regional Vegetation Survey, Extent Type and Status. A project funded by the Western Australian Planning Commission (EnviroPlanning and State NRM Program), South Coast Natural Resource Management Inc. and the City of Albany for the Department of Environment and Conservation. Unpublished report. Department of Environment and Conservation, 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.

Water Corporation (2010) Application for a Clearing Permit (Purpose Permit) and Supporting Information, Water Corporation. DEC Ref A351175

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)