



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4199/1
File Number: 2011/010646-1
Duration of Permit: From 25 April 2011 to 25 April 2013

PERMIT HOLDER

Jennie Lyn Cary

LAND ON WHICH CLEARING IS TO BE DONE

Lot 4627 on Deposited Plan 149373 (Kordabup 6333)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.12 hectares of native vegetation within the areas shaded yellow on attached Plan 4199/1.

CONDITIONS

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 not move soils in wet 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 area 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;

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*

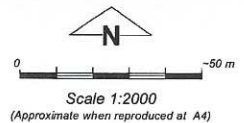
31 March 2011

Plan 4199/1



LEGEND

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



Geocentric Datum Australia 1994

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

Date 30/3/10

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

Our environment, our future
WA Crown Copyright 2002

* 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.: 4199/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Jennie Lyn Cary

1.3. Property details

Property: LOT 4627 ON PLAN 149373 (KORDABUP 6333)
Local Government Area:
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.12		Mechanical Removal	Grazing & Pasture

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 31 March 2011

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 (Hopkins et al 2002; Shepherd 2009)	The proposal is to clear 1.12 ha of native vegetation within Lot 4627 (17 ha property) for the purpose of establishing pasture.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The description and condition of the vegetation was determined via a DEC site inspection conducted on 14 March (DEC 2011).
Mattiske Complex: Keystone (Kb): Mosaic of tall open forest of Eucalyptus guilfoylei-Eucalyptus jacksonii-Eucalyptus diversicolor on slopes of major hills rising above coastal plain with Allocasuarina decussata-Banksia grandis-Agonis flexuosa on slopes in hyperhumid and perhumid zones and tall open forest of Eucalyptus brevistylis-Eucalyptus marginata subsp. marginata-Corymbia calophylla and the occasional Eucalyptus megacarpa near rock outcrops in hyperhumid and perhumid zones. (Mattiske and Havel 1998)	The area under application was historically cleared about 19 years ago (DEC 2011). The vegetation under application is described as open regrowth scrub/heath and the vegetation includes Persoonia longifolia, Taxandria parviceps, Hakea sp and Leucopogon sp (DEC 2011).		

3. Assessment of application against clearing principles

Comments

The proposal is to clear 1.12 hectares of regrowth native vegetation (with no trees proposed to be cleared) for the purpose of establishing pasture.

The area under application was historically cleared about 19 years ago (DEC 2011). The vegetation under application is described as open regrowth scrub/heath and the vegetation includes Persoonia longifolia, Taxandria parviceps, Hakea sp and Leucopogon sp, considered in good (Keighery 1994) condition (DEC 2011).

The vegetation has some fauna habitat values with fauna diggings observed within the area under application, but the areas of highest abundance of fauna diggings has been excluded from this proposal (DEC 2011). Also the conservation significant Forest Red-tailed Black Cockatoo (*Calyptorhynchus banksii naso*) has been recorded within 5 km of the area under application, but the vegetation under application is not considered to comprise suitable habitat for this species (DEC 2011).

In addition, there are larger areas of remnant vegetation (for example, Denmark Catchment State Forest and Kordabup Nature Reserve) in better condition in close proximity to the property.

Given the relatively small scale of the proposed to clear under and middle storey vegetation, and the limited species diversity; the vegetation under application is considered to comprise limited habitat or biodiversity values and is not likely to impact on the water quality of the minor watercourse or cause appreciable land degradation within the local or regional context. Therefore, the proposed clearing is not considered likely to be at variance to the clearing principles.

Methodology

References:

- DEC (2011)
- Keighery (1994)

GIS databases:

- Denmark 50cm Orthomosaic - Landgate 2007
- Hydrological, linear
- Rivers
- SAC Bio Datasets 28/2/2011

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

Comments

The proposal is for the purpose of establishing pasture within an area of regrowth vegetation.

The Shire Denmark (2011) advised that no environmental issues have been identified. The Shire recommends that the area intended for pasture be fenced to prevent stock accessing adjacent vegetation in excellent condition and dieback hygiene management protocols be adhered to. In addition, the Shire advises that any clearing that exceeds 0.5 ha requires planning approval.

The Department of Water (DoW) (2011) advised that the proposal area lies within the Country Areas Water Supply Act 1947 gazetted Kent River Water Reserve, in a Zone C area, a moderate salinity risk part of the catchment. DoW records show that a licence was granted in 1979 to clear 15.3 ha within Lot 4627, but imagery shows only ~3.3 ha was actually cleared. This clearing included the regrowth area now proposed to be cleared. Accordingly, DoW has no objection this proposal to clear 1.1 ha of regrowth vegetation.

Lot 4627 on Diagram 92958 is freehold land zoned Rural under the local Town Planning Scheme.

Methodology

References:

- Department of Water (2011)
- Shire of Denmark (2011)

GIS Databases:

- Cadastre
- CAWSA Part IIA Clearing Control Catchments
- Town Planning Scheme Zones

4. References

DEC (2011) Site Inspection Report for Clearing Permit Application CPS 4199/1, Lot 4627 Suttons Road, Denmark. Site inspection undertaken 14/3/2011. Department of Environment and Conservation, Western Australia. DEC Ref A381755

Department of Water (2011) Direct Interest Submission for Lot 4627 Suttons Road, Denmark. DEC Ref A378905

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.

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.

Shire of Denmark (2011) Direct Interest Submission for Lot 4627 Suttons Road, Denmark. DEC Ref A381756

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)