



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4866/1
File Number: 2011/006827-1
Duration of Permit: From 23 April 2012 to 23 April 2014

PERMIT HOLDER

Shire of Coorow

LAND ON WHICH CLEARING IS TO BE DONE

LOT 500 ON DEPOSITED PLAN 64529 (GREEN HEAD)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 6 hectares of native vegetation within the area cross hatched yellow on attached Plan 4866/1.

CONDITIONS

1. 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*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) 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:

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;

weeds 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*

29 March 2012

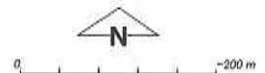
Plan 4866/1



LEGEND

Clearing instruments

-  Areas Approved to Clear
 -  Cadastre
- Hill River 50cm Orthomosaic - Landgate 2006




Scale 1:7439

(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.

 Date 29/3/12
K. Fatikner

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



1. Application details

1.1. Permit application details

Permit application No.: 4866/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Coorow

1.3. Property details

Property: LOT 500 ON PLAN 64529 (Lot No. 500 INDIAN OCEAN GREEN HEAD 6514)
Local Government Area: Shire of Coorow
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 29 March 2012

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
Mapped Beard vegetation association 1026: Mosaic: Shrublands; Acacia rostellifera, A cyclops (in the south) Melaleuca cardiophylla (in the north) thicket / Shrublands; Acacia lasiocarpa & Melaleuca acerosa heath (Shepherd, 2009).	The application is to clear 6 hectares of native vegetation for the purpose of developing a cemetery. The vegetation under application is considered to be representation of Beard vegetation association 1026 and to be in an excellent (Keighery, 1994) condition (2012).	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The condition of the vegetation within the application area was obtained via advice from Department of Environment and Conservation regional staff.

3. Assessment of application against clearing principles

Comments

The application is to clear 6 hectares of native vegetation for the purpose of developing a cemetery. The vegetation under application is a representation of Beard vegetation 1026 and is well represented in nearby conservation estates (DEC, 2012) and approximately 75 percent of vegetation remains in the local area with the area under application being within a larger remnant of native vegetation approximately 15,000 hectares in size. The vegetation under application is considered to be in an excellent (Keighery, 1994) condition (DEC, 2012).

Several priority flora species have been mapped within a 10km radius of the area under application. None of the mapped priority flora has been recorded within the same vegetation and soil type as the application area.

The dune on the western edge of the propose clearing (approximately 10 percent of the proposed clearing area) may contain the species (*Lomandra maritimum*) required to support habitat for the Graceful Sun Moth (GSM) which is listed as fauna that is rare or likely to become extinct under the Western Australian *Wildlife Conservation Act 1950* and endangered under the Commonwealth *Environmental Protection and Biodiversity Conservation Act 1999*. Should the habitat be present the impact from removing the habitat to the current populations of GSM would be very minor (DEC, 2012a).

The application has been assessed against the ten clearing principles and has concluded that the vegetation under application is unlikely to hold a high level of biodiversity, nor is it likely to impact upon flora and fauna of conservation significance in the local area. Additionally, the proposed clearing is not likely to impact on ground water, surface water quality or cause appreciable land degradation in the local area.

The application is not likely to be at variance to any of the clearing principles.

Methodology References:
Bishop et al (2009)
DEC (2012)
DEC (2012a)
Keighery (1994)

GIS Database
- SAC Biodatasets - Accessed March 2012

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

Comments
No submissions have been received for this application.

Methodology The Town Planning Scheme for area under application is zoned parks and recreation.
GIS Database:
- Town Planning Scheme

4. References

- Bishop, C. Williams, M. and Gambling, T. (2009) Graceful Sun Moth. Information Kit & Survey Methods. Department of Environment and Conservation.
DEC (2012a) Additional information received for Clearing Permit Application CPS 4866/1, Shire of Coorow (DEC Ref:A487018)
DEC. (2012). Regional advice received for Clearing Permit Application CPS 4866/1, Shire of Coorow (DEC Ref:A487027).
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)