



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5663/1
File Number: 2011/006825
Duration of Permit: 7 September 2013 to 7 September 2015

PERMIT HOLDER

Shire of Collie

LAND ON WHICH CLEARING IS TO BE DONE

Norm Road reserve, Harris River (PIN:11525773, PIN 11525774)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.0575 hectares of native vegetation within the area cross hatched yellow on attached Plan 5663/1.

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) ensure that no *dieback* or *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:

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;

weed/s means any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in the former Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

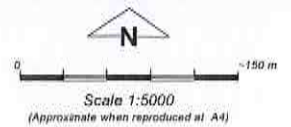
8 August 2013

Plan 5663/1



LEGEND

- | | |
|---|---------------------------|
| Collie 50cm Orthomosaic - Landgate 2006 | Clearing Instruments |
| Cadastre for labelling | ■ Areas Approved to Clear |
| □ Local Government Authorities | |
| ✂ Road Centrelines | |



Geocentric Datum Australia 1994

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

M. Warnock Date 8/9/13

M. Warnock
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.



Government of Western Australia
Department of Environment Regulation

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

Government of Western Australia
Department of Environment Regulation

1. Application details

1.1. Permit application details

Permit application No.: 5663/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Collie

1.3. Property details

Property: ROAD RESERVE (HARRIS RIVER 6225)
Local Government Area: Shire of Collie
Colloquial name: Norm Rd

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.058		Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 8 August 2013

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:</p> <p>Beard vegetation association 3: Medium forest; jarrah-marri (Shepherd et al., 2001).</p> <p>Mattiske vegetation complex My1: Open forest of <i>Eucalyptus marginata</i> subsp. <i>marginata</i>-<i>Corymbia calophylla</i>-<i>Eucalyptus patens</i> on valley slopes to woodland of fs24 <i>Eucalyptus rudis</i>-<i>Melaleuca raphiophylla</i> on the valley floors in humid and subhumid zones (Mattiske and Havel, 1998).</p> <p>Hedde vegetation Murray Complex in Medium to High Rainfall: Open forest to fringing woodland, darling plateau-major valleys combining slopes and floors (Hedde et al., 1980).</p>	<p>The application proposes to clear 0.0575 hectares within Norm Road reserve for the purpose of replacing the Norm Road bridge with culverts.</p>	<p>Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)</p>	<p>The vegetation condition and description was determined from aerial photography (Collie 50cm Orthomosaic - Landgate 2006).</p> <p>The vegetation under application is approximately 150 metres long and 5 metres wide on either side of the road reserve.</p>

3. Assessment of application against clearing principles

Comments

The Shire of Collie has applied to clear up to 0.0575 hectares of native vegetation for the replacement of Norm Road bridge with culverts. The vegetation within Norm Road reserve is considered to be in degraded (Keighery, 1994) condition.

The local area (10 kilometre radius) is approximately 95 per cent vegetated. The vegetation under application is mapped as Beard Vegetation Association 3 (Shepherd et al., 2001), Hedde Complex Murray Complex and Mattiske Complex Murray1. The vegetation types retain approximately 68, 81 and 77 per cent respectively, of the pre-European extent within the Jarrah Forest IBRA region (Shepherd, 2007; Government of Western Australia, 2013).

There are no threatened ecological communities within the local area and the closest records of priority and rare flora are 440 metres away from the application area. The vegetation proposed to be cleared is a narrow, isolated strip of vegetation in degraded (Keighery, 1994) condition and is unlikely to contain high biodiversity value or flora and vegetation communities of conservation significance.

The application area intersects Harris River and therefore the application area may contain riparian vegetation. The proposed clearing may increase sediment levels in Harris River, however it is anticipated that impacts will be negligible and short term.

The application area lies within Zone A of the Wellington Dam catchment which is subject to the Country Areas Water Supply Act 1947 (CAWS Act) and also occurs in an un-assigned Public Drinking Water Source Area. This area is a high salinity risk part of the catchment. Due to the small size of the application area (0.0575 hectares) and the local area is highly vegetated (approximately 95 per cent), the proposed clearing is unlikely to increase salinity levels. It is also not likely to likely to increase the incidence or intensity of flooding or cause appreciable land degradation.

The application area falls directly adjacent to Harris River State Forest. Weed and dieback management measures will be required to ensure that weeds are not spread into this conservation area.

Given the above, the proposed clearing may be at variance to principles (f) and is not likely to be at variance with the remaining principles.

Methodology

References

- DER (2013)
- Keighery (1994)
- Government of Western Australia (2013)
- Shepherd (2007)
- Shepherd et al., (2001)

GIS databases:

- DER Managed Lands
- CAWSA Part IIA Clearing Control Catchments
- Collie 50cm Orthomosaic - Landgate 2006
- Hedde Vegetation Complexes
- Hydrography, linear
- Mattiske Vegetation Complexes
- Pre-European vegetation
- Public Drinking Water Source Areas
- SAC Bio datasets (Accessed 16 July 2013)
- Soils, Statewide

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

Comments

The clearing of 0.0575 hectares is for the purpose of for replacing Norm Road bridge with culverts.

The Department of Water's (DoW) records displayed no licence or compensation history for Norm Road reserve and has no objection to the clearing proposal (DoW, 2013a).

DoW has also advised that there is a 'Permit to Obstruct or Interfere' with the bed and banks of the watercourse where the clearing is to take place (DoW, 2013b).

No submissions from the public have been received.

The application area intersects Harris River, an Aboriginal Site of Significance (Water source - Ngaarnungudditj Walgu Complex).

Methodology

References

- DoW (2013a)
- DoW (2013b)

GIS databases:

- Aboriginal sites of significance
- Public Drinking Water Supply Areas

4. References

- DoW (2013a) Country Areas Water Supply Act 1947 advice for CPS 5663/1 Clearing Application - 0.0575 hectares - Norm Road Reserve, Harris River. Department of Water, Western Australia. DER Ref. A653603.
- DoW (2013b) Advice for CPS 5663/1 Clearing Application - 0.0575 hectares - Norm Road Reserve, Harris River. Department of Water, Western Australia. DER Ref. A656211.
- Government of Western Australia. (2013). 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, Perth.
- 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. (2007) 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.
- 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)