



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 7291/1
File Number: 2011/006842
Duration of Permit: 4 February 2017 to 4 February 2019

PERMIT HOLDER

Shire of Dundas

LAND ON WHICH CLEARING IS TO BE DONE

LOT 219 ON DEPOSITED PLAN 183131, NORSEMAN

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.81 hectares of native vegetation within the area hatched yellow on attached Plan 7291/1.

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 any plant -

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

A handwritten signature in blue ink, appearing to read "Matthew Gannaway".

Matthew Gannaway
MANAGER
CLEARING REGULATION

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

5 January 2017

Plan 7291/1

32.212808°S

121.756081°E

121.765218°E

121.756081°E

121.765218°E

32.217744°S

32.217744°S



Legend

-  Cadastre
-  Imagery
-  Clearing Instruments Activities
-  Roads
-  Local Government Authority



(Approximate when reproduced at A4)
GDA 94 (Lat/Long)
Geocentric Datum of Australia 1994

 Date 5/1/2017

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986



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1. Application details

1.1. Permit application details

Permit application No.: 7291/1
Permit type: Area Permit

1.2. Applicant details

Applicant's name: Shire of Dundas

1.3. Property details

Property: LOT 219 ON DEPOSITED PLAN 183131, NORSEMAN
Colloquial name:
Local Government Authority: DUNDAS, SHIRE OF
DER Region: Goldfields
DPaW District: ESPERANCE
LCDC:
Localities: NORSEMAN

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.81		Mechanical Removal	Cemetery extension

1.5. Decision on application

Decision: Granted
Decision Date: 5 January 2017
Reasons for Decision: The clearing permit application was received on 27 September 2016 and has been assessed against the clearing principles, planning instruments and other matters in accordance with section 51O of the *Environmental Protection Act 1986*, and it has been concluded that the proposed clearing is not likely to be at variance to any of the clearing principles.

The Delegated Officer has determined that the proposed clearing is not likely to result in any significant environmental impacts. State and other relevant policies have been taken into consideration in the decision to grant a clearing permit.

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 9 is described as Medium woodland; coral gum (<i>Eucalyptus torquata</i>) & goldfields blackbutt (<i>E. le soufii</i>), (also some e10,11) (Shepherd et al. 2001).	The application is for the proposed clearing of 1.81 hectares of native vegetation within Lot 219 on Deposited Plan 183131, Norseman for the purpose of cemetery extension.	Excellent; Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery, 1994). To Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994).	The condition of the vegetation under application was determined via a Level 1 flora and fauna survey undertaken by Botanica Consulting in July 2016 (Botanica Consulting, 2016).

3. Assessment of application against clearing principles

Comments The proposed clearing of 1.81 hectares of native vegetation within Lot 219 on Deposited Plan 183131, Norseman is for the proposed expansion of the cemetery.

The condition of the vegetation in the application area was determined via a Level 1 flora and fauna survey undertaken by Botanica Consulting in July 2016 (Botanica Consulting 2016). The vegetation condition is considered to be in a very good to degraded (Keighery, 1994) condition as the survey identified that the vegetation structure has been altered by obvious signs of disturbance caused by uncontrolled vehicle access (Botanica Consulting 2016).

The survey by Botanica Consulting (2016) identified two broad vegetation communities within the survey area, described as

1. Low woodland of *Eucalyptus salicola* over scrub of *Melaleuca pauperiflora* and mid-dense hummock grass of *Triodia scariosa*/ Low sedges of *Lepidosperma sanguinolentum* on sand-loam plain; and
2. Low woodland of *Eucalyptus lesouefii* over scrub of *Melaleuca pauperiflora* and open dwarf scrub of *Cratystylis conocephala* on sand-loam plain (Botanica Consulting, 2016).

The survey also identified one broad terrestrial fauna habitat within the survey area; Sand-Loam Plain (Eucalypt Woodlands)" (Botanica Consulting, 2016). The vegetation type under application is well represented locally and regionally, with mapped Beard vegetation association 9 retaining approximately 98 per cent of its pre-European extent with approximately 100 per cent remaining within the Shire of Dundas (Government of Western Australia 2015). Given this, the vegetation within the application area is not considered to be a significant remnant within an extensively cleared area.

A total of twenty eight priority flora species have been recorded within the local area (20 kilometre radius). The Botanica Consulting (2016) survey targeted conservation significant flora identified as potentially occurring within the survey area. No threatened or priority flora were identified in the flora survey by Botanica Consulting (2016). Given the size of the application area and the local area being extensively vegetated, it is not likely the clearing as proposed will impact on the conservation status of the priority flora taxa mapped within the local area.

The survey by Botanica Consulting (2016) did not identify any vertebrate fauna species of conservation significance (listed under State or Federal threatened/migratory species lists or as a Department of Parks and Wildlife priority species) utilising the survey area. The vegetation proposed to be cleared is not likely to comprise of significant habitat for fauna indigenous to Western Australia given the small size of the application area and the extent of vegetation remaining in the local area.

There are no wetlands or watercourses mapped within the application area. Given the small extent of clearing, the proposed clearing is not likely to impact on riparian vegetation, contribute to or cause land degradation, deteriorate the quality of ground water or surface water and is not likely to cause or exacerbate flooding.

The disturbance caused by the proposed clearing may increase the risk of weeds being introduced into adjacent areas of remnant vegetation. Weed management practices will assist in mitigating this risk.

The assessment of the proposed clearing identified that it is not considered likely for the application area to comprise of a high level of biological diversity, contain significant fauna habitat, contain habitat suitable for rare or priority flora species or consist of a threatened ecological community.

Given the above, the proposed clearing is not likely to be at variance to any of the clearing Principles.

Methodology

References:
Botanica Consulting (2016)
Government of Western Australia (2015)
Keighery (1994)

GIS Databases:
- Hydrography, Linear
- Pre European vegetation
- SAC Bio Datasets (Accessed December 2016)

Planning instruments and other relevant matters.

Comments The application was advertised in The West Australian newspaper on 24 October 2016 for a 21-day submission period. No public submissions were received in relation to the proposed clearing.

The application area is located within the 'Norseman Burial 11' Aboriginal Site of Significance.

The application area is located within the Goldfields Groundwater Area proclaimed under the *Rights in Water and Irrigation Act* (1914). The Department of Water (DoW) (2016) advised that "the proposed clearing site is located nearby to a watercourse which is on Unallocated Crown Land. The watercourse was identified within mapping used by the DoW (Hydrography WA 250K – Surface Lines (GA 2015) Custodian: *Geoscience Australia*) to provide practical definition of a watercourse and to determine if a watercourse would be subject to permitting. The Shire of Dundas can request information from the DoW by contacting the South Coast Regional office on 9841 0100 or referring to the Department's website at www.water.wa.gov.au and searching 'Do I need a permit? if planning to undertake works which may affect a watercourse' (DoW 2016).

The DoW confirmed that the Shire of Dundas do not have a groundwater licence associated with the Crown Reserve (Lot 219) the Norseman cemetery is located on (DoW 2016).

Methodology References:
DoW (2016)

GIS Databases
- Aboriginal Sites Register

4. References

- Botanica Consulting (2016) Flora & Fauna Assessment Norseman Cemetery Expansion. Prepared for Shire of Dundas. July 2016 Version 1. Botanica Consulting. DER Ref: A11703250.
- Department of Water (DoW) (2016) Re: Native Vegetation Clearing Permit CPS 7291/1 – Lot 219 Norseman. Department of Water. 1 November 2016. DER Ref: A1189248.
- Government of Western Australia (2015). 2015 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of June 2015. Western Australia Department of Parks and Wildlife, 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., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.