



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3969/1
Permit Holder:	Ravensthorpe Historical Society Incorporated
Duration of Permit:	21 November 2010 – 21 November 2015

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 constructing a tourist information bay, shelter, parking area and access track.

2. Land on which clearing is to be done

South Coast Highway road reserve (RAVENSTHORPE 6346)

3. Area of Clearing

The Permit Holder must not clear more than 0.8 hectares of native vegetation within the area hatched yellow on attached Plan 3969/1.

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. 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

6. Dieback and weed control

(a) 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*:

- (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (ii) shall only move soils in *dry conditions*;
- (iii) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

(b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

7. Records to be kept

The Permit Holder must maintain the following records in relation to the clearing of native vegetation authorised under this Permit:

- (a) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;
- (b) the date that the area was cleared; and
- (c) the size of the area cleared (in hectares).

8. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
 - (i) of records required under condition 7 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.

- (b) Prior to 21 August 2015, the Permit Holder must provide to the CEO a written report of records required under condition 7 of this Permit where these records have not already been provided under condition 8(a) of this Permit.

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;

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*.

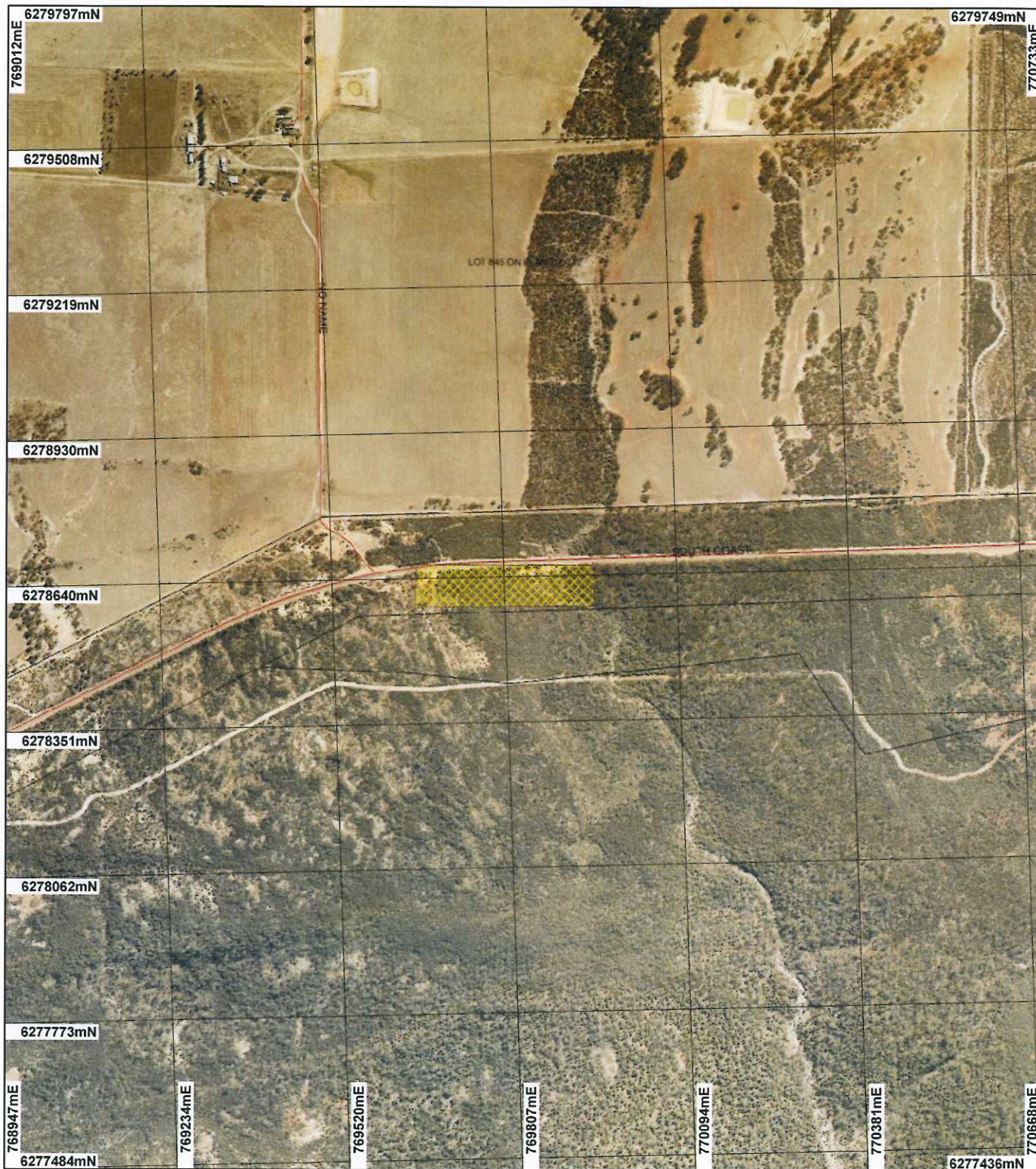


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

21 October 2010

Plan 3969/1



LEGEND

Clearing Instruments

-  Areas Approved to Clear
-  Road Centrelines
-  Cadastre
-  Cocanarup 50cm Orthomosaic - Landgate 2008



Scale 1:10189
(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 2/10/13

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

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1. Application details

1.1. Permit application details

Permit application No.: 3969/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Ravensthorpe Historical Society Incorporated

1.3. Property details

Property: ROAD RESERVE (RAVENSTHORPE 6346)
Local Government Area: Shire of Ravensthorpe
Colloquial name: South Coast Highway

1.4. Application

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

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 vegetation association 940 is described as a mosaic of Shrublands; mallee scrub, black marlock / Shrublands; tallerack mallee-heath (Shepherd, 2009).	The proposed clearing of 0.8ha of vegetation is for the purpose of developing a tourist information bay, shelter, parking area and access track. The entry point and access track into the information bay passes through mid-dense shrubs, dominated by <i>Allocasuarina campestris</i> , <i>Thryptomene australis</i> and <i>A. huegeliana</i> (Craig, 2010). <i>Lepidosperma</i> sedges are common in the understorey. A total of 38 species were recorded in this area (Craig, 2010).	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The condition of the vegetation under application was determined via digital imagery (Cocanarup 50cm Orthomosaic - Landgate 2008) and through a flora report (Craig, 2010) supplied by the applicant.
As above.	A previously disturbed area has been chosen for the parking area. This area is very open, with the same shrub species listed above, as well as <i>Leptospermum nitens</i> and <i>L. maxwellii</i> and a number of heath species (Craig, 2010).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	As above.

3. Assessment of application against clearing principles

Comments

The proposal is to clear up to 0.8 hectares of native vegetation for the purpose of developing a tourist information bay, shelter, parking area and access track.

The area under application is within South Coast Highway road reserve and lies adjacent to Cocanarup Reserve. Cocanarup Reserve is listed on the Register of the National Estate as it contains many ecotypes that are poorly reserved elsewhere in the region (DSEWPC, 2010). A weed and dieback condition will assist in preventing the introduction of weeds and *Phytophthora* into this reserve.

Several fauna species of conservation significance were recorded within the local area (10km radius). These include *Macropus eugenii derbianus* (Tammar Wallaby), *Macropus eugenii derbianus* (Western Rosella) and *Myrmecobius fasciatus* (Numbat). Given the extent of the native vegetation adjacent to the project area (Cocanarup Reserve), the 0.8 hectares of vegetation under application is not likely to constitute significant habitat for these species.

A number of priority flora were recorded within 3km of the area under application; *Eucalyptus oleosa* (P3), *Eucalyptus proxima* (P4), *Grevillea sulcata* (P1) and *Levenhookia pulcherrima* (P2). A flora survey conducted over the project area did not identify any declared rare or priority flora (Craig, 2010).

The area under application is mapped as being composed of Beard vegetation association 940. Within the Esperance Plains bioregion, vegetation association 940 has approximately 46.66% of it pre-European extent remaining, of which 43% is within conservation reserves. These figures are above the national objectives and targets for biodiversity conservation in Australia (Commonwealth of Australia, 2001).

Given the relatively small scale of the proposed clearing, which is located adjacent to a large intact remnant, the proposed clearing is not likely to be at variance to any of the clearing principles.

Methodology

Reference:

Commonwealth of Australia (2001)
Craig (2010)
DSEWPC (2010)

GIS Database:

- DEC Tenure
- Pre European Vegetation - DA 01/01
- Register of National Estate
- SAC Biodatasets - accessed 29 September 2010

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

Comments

Main Roads have agreed in principle to this proposal subject to conditions (MRWA, 2010).

This proposal went before Council on 7 December 2009. Council voted in favour of this proposal and support the establishment subject to approval from Main Roads WA and the Department of Indigenous Affairs (Shire of Ravensthorpe, 2009). The Shire of Ravensthorpe has advised that this proposal does not require Development Approval (Shire of Ravensthorpe, 2010).

The area under application falls within an Aboriginal Site of Significance (Phillips River Massacre). The applicant will be advised of their obligations under the Aboriginal Heritage Act 1972.

Methodology

References:

MRWA (2010)
Shire of Ravensthorpe (2009)
Shire of Ravensthorpe (2010)

GIS Database:

- Aboriginal Sites of Significance

4. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- Craig (2010) Cocanarup Information Bay, Declared Rare and Priority Flora Survey. A report prepared for the Ravensthorpe Historical Society Inc (DEC Ref: A331899).
- DSEWPC (2010) Australian Heritage Database, Cocanarup. Department of Sustainability, Environment, Population and Communities, Western Australia
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- MRWA (2010) Approval Granted Subject to Conditions for the Proposed Creation of a Tourist Information Bay. Main Roads Western Australia (DEC Ref: A331899).
- 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 Ravensthorpe (2009) Extract from Council Minutes, 7 December 2009. Cocanarup Rest Area and Information Bay (DEC Ref: A341115).
- Shire of Ravensthorpe (2010) Advice received from the Shire of Ravensthorpe in regards to Development Approval, 20 October 2010 (DEC Ref: A341421).

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)