



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 1887/2

File Number: DEC3210

Duration of Permit: From 1 March 2008 to 1 March 2018

PERMIT HOLDER

City of Bunbury

LAND ON WHICH CLEARING IS TO BE DONE

SOMERVILLE DRIVE ROAD RESERVE, PIN1295984 (COLLEGE GROVE 6230)

LOT 1053 ON PLAN 33287 (ROBERTSON ROAD RESERVE, DAVENPORT 6230)

AUTHORISED ACTIVITY

The Permit Holder must not clear more than 3.1 hectares of native vegetation, within the area cross hatched yellow on attached Plan 1887/2.

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.

2. Environmental Management Plan

The Permit Holder must implement and adhere to the Somerville Drive Extension (Robertson Drive Intersection) Project, Bunbury, Western Australia. Environmental Management Plan: Commonwealth EPBC Act Referral No. 2011/6153, and State (WA) clearing permit CPS 1887, Issue date 14 September 2012.

3. Offset Plan

The Permit Holder must implement and adhere to the Somerville Drive Extension (Robertson Drive Intersection) Project Bunbury, Western Australia, Environmental Offset Management Plan: Commonwealth EPBC Act referral No. 2011/6153, and State (WA) clearing permit CPS 1887. Issue date 9 November 2012.

4. Stormwater management

The Permit Holder shall not cause or permit the discharge of stormwater into the area cross hatched red on attached Plan 1887/2.

5. Records to be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

- (a) In relation to the environmental management plan pursuant to condition 2,
 - (i) detailed description of the environmental management plan activities undertaken
 - (ii) the location where the environmental management plan activities occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
 - (iii) the date that the environmental management plan activities occurred.
- (b) In relation to the offset plan pursuant to condition 3,
 - (i) detailed description of the offset plan activities undertaken
 - (ii) the location where the offset plan activities occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
 - (iii) the date that the offset plan activities occurred.

6. Reporting

- (a) The Permit Holder must provide to the CEO on or before 1 March of each year, a written report:
 - (i) of records required under condition 5 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 March and 28 February of the preceding year.
- (b) Prior to 1 December 2017 the Permit Holder must provide to the CEO a written report of records required under condition 5 of this Permit where these records have not already been provided under condition 6(a) of this Permit.

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;

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*.

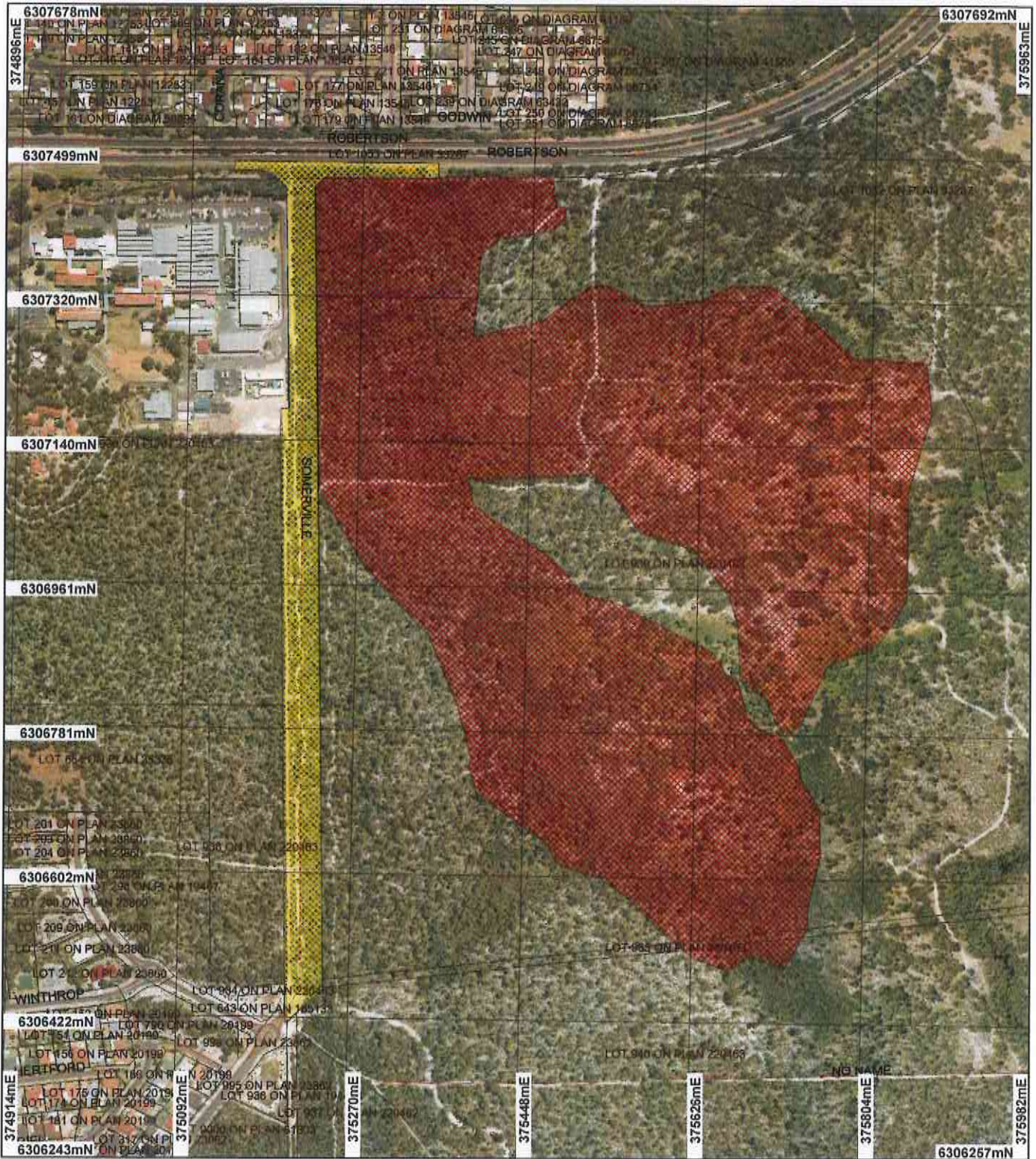


M Warnock
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

22 November 2012

Plan 1887/2



LEGEND

- Road Centrelines
- Cadastre for labelling
- Freshhold
- Crown Reserve
- State Forest / Timber Reserve
- Marine Park
- Crown Lease (cont)
- Lease / Reserve
- Lease on State Forest / Timber Reserve
- Public Roads
- Unallocated Crown Land
- Water
- Clearing Instruments
- Areas Subject to Conditions (cont)

- Areas Approved to Clear
- Donnelly 50cm Orthomosaic - Landgate 2007
- Bunbury 50cm Orthomosaic - Landgate 2008
- Bunbury Townsite 20cm Orthomosaic - Landgate 2007



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 22/11/12

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.



Department of Environment and Conservation

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* 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.: 1887/2
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Bunbury

1.3. Property details

Property: LOT 1053 ON PLAN 33287 (DAVENPORT 6230)
ROAD RESERVE (COLLEGE GROVE 6230)
Local Government Area: City of Bunbury
Colloquial name:

1.4. Application

| | | | |
|--------------------|-----------|--------------------|----------------------------------|
| Clearing Area (ha) | No. Trees | Method of Clearing | For the purpose of: |
| 3.1 | | Mechanical Removal | Road construction or maintenance |

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 22 November 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 |
|--|--|--|--|
| Beard Vegetation Association 6: Medium woodland; tuart & jarrah (Shepherd et al. 2001). | The proposed clearing of 3.1 ha is for the purpose of road construction. | Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994) | The description of the clearing application area is based on a site inspection conducted by Department of Environment and Conservation (DEC) officers on 28 August 2007 (DEC 2007) and from spring flora surveys conducted in 2010 (RPS 2010, Eco Logic 2010). |
| Hedde Vegetation Complex - Central And South: Open forest of tuart-jarrah-marri (Hedde et al. 1980). | The vegetation under application varies in condition from degraded to excellent (Keighery, 1994) (DEC 2007). | To | |
| | The vegetation within the southern half of the application area comprises of Eucalyptus marginata woodland over low woodland of Banksia attenuata, Agonis flexuosa and Kunzea glabrescens over Melaleuca thymoides and Stirlingia latifolia and Xanthorrhoea gracillia over open sedgland in excellent (Keighery 1994) condition (Eco Logic 2010, DEC 2007). | Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994) | |
| | The vegetation within the northern half of the application area comprises of Scattered Banksia illorlis and Melaleuca preissana open woodland over Kunzea open shrubland and a portion of Melaleuca preissana and Agonis flexuosa low open forest with Corymbia caliphylia over Kunzea tall shrubland. This area ranges from degraded to excellent (Keighery 1994) condition (DEC 2007, RPS 2010). | | |

3. Assessment of application against clearing principles

Comments

The applicant has applied to extend the duration of the permit CPS 1887/1 to 1 March 2014, amend the due date of the annual report as required under condition 6 and to reduce the size of the clearing to 3.1 hectares of native vegetation.

A review of current environmental information reveals that the application area contains numerous Western Ringtail Possum (*Pseudocheirus occidentalis*) (specially protected under Wildlife Conservation Act 1950 and vulnerable under the Environmental protection and Biodiversity Conservation Act 1999) dreys and is being used

for foraging and denning habitat (Harewood 2008, 2011). However, suitable habitat also occurs in the adjacent Manea Park. The applicant has developed an Environmental Management Plan which details steps to mitigate direct impact on WRPs during clearing (City of Bunbury 2012a). This plan satisfies the fauna management requirements of DEC.

Appropriately timed Level 1 Flora surveys, one of the southern portion (Eco Logic 2010) and one of the northern portion (RPS 2010) of the application area, did not identify any priority flora occurring within the proposed clearing area.

An appropriately timed targeted flora survey for rare orchid species of the northern portion of the application area (RPS 2009) and a level 1 flora survey (RPS 2010) did not identify rare flora within the application area or within adjacent wetland vegetation to the east. Therefore, the proposed clearing is not likely to impact on habitat suitable for rare flora and is not likely to be at variance to principle (c).

A part from Principle (c) the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS1887/1.

The applicant has provided an environmental management plan and offset proposal to mitigate the impacts of the proposed clearing and both satisfy the requirements of DEC.

Methodology

References

- Harewood (2008)
- Harewood (2011)
- Eco Logic (2010)
- RPS (2009)
- RPS (2010)
- City of Bunbury (2012a)
- GIS Databases
- SAC Bio datasets (19/10/2012)

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

Comments

The applicant has requested to extend the duration of the permit to 1 March 2014, amend the due date of the annual report as required under condition 6 and to reduce the size of the clearing to 3.1 hectares of native vegetation.

The proposed road is vested as road reserve and the City of Bunbury advises the proposed road was highlighted in the College Grove Development Structure Plan drafted in 1995.

Road runoff and drainage associated with the proposed road as well as weed and dieback, acid sulphate soil and fauna will be managed under the Environmental Management Plan (City of Bunbury 2012a) provided by applicant.

The applicant has provided an offset proposal to offset the impacts of the proposed clearing (City of Bunbury 2012b). The offset includes rehabilitation of 3.4 ha of degraded vegetation and conservation in perpetuity of non-secure remnant vegetation (18.6ha) that provides WRP habitat. This offset satisfies the requirements of DEC.

The proposal was considered by the Environmental Protection Authority (EPA) who found that Proposed road runs along the edge of a Threatened or Poorly reserved plant community in an area already disturbed by firebreak. The proposal appears to address dieback, drainage and access issues and will provide a hard edge and management boundary between Manea Park and developed areas. On this basis the proposal can be managed by the Council and would be assessed at the level of informal advice (EPA, 1998). The level of assessment was set as 'not assessed' and 'managed under the provisions of Part V of the Environmental Protection Act 1986 for vegetation clearing' (EPA reference: CRN 126809). The level of assessment was set on 9 August 1998.

No submissions from the public have been received.

Administrative changes to the permit conditions have been made to bring the conditions in line with current Department of Environment and Conservation practice.

Methodology

References

- EPA (1998)
- City of Bunbury (2012a)
- City of Bunbury (2012b)

4. References

- Eco Logic (2010) Level 1 Spring Flora and Vegetation Assessment, Proposed Somerville Drive Extension, College Grove. Prepared for RPS. Eco Logic Environmental Services South West.
- City of Bunbury (2012a) Somerville Drive Extension (Robertson Drive Intersection) Project, Bunbury, Western Australia. Environmental Management Plan: Commonwealth EPBC Act Referral No. 2011/6153, and State (WA) Clearing Permit CPS 1887/1. DEC ref A551603
- City of Bunbury (2012b) Somerville Drive Extension (Robertson Drive Intersection) Project, Bunbury, Western Australia. Environmental Offsets Management Plan: Commonwealth EPBC Act Referral No. 2011/6153, and State (WA) Clearing Permit CPS 1887/1. DEC ref A551436
- EPA (1998), College Grove Stage 3 (Draft) Structure Plan (Centenary Rd) Bussell Hwy, Bunbury, Environmental Protection Authority. TRIM Ref. CRN63557
- Harewood G (2008) Western Ringtail Possum Assessment Survey. Somerville Drive Extension College Grove, Bunbury Version 1 May 2008. Prepared on behalf of RPS Environmental. DEC ref A 551939
- Harewood G (2011) Fauna Assessment of Somerville Drive Extension College Grove, Bunbury Version 2 June 2011. Prepared on behalf of RPS. DEC ref A 551939
- Heddl, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, 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.
- RPS (2009) Targeted Orchid Survey - Somerville Drive Intersection, College Grove. Prepared for City of Bunbury.
- RPS (2010) Level 1 Spring Flora Survey. Somerville Drive Intersection, College Grove. Prepared for City of Bunbury. February 2010.
- 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) |