



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5599/1
Permit Holder:	City of Rockingham
Duration of Permit:	20 July 2013 to 20 July 2018

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 car park.
- 2. Land on which clearing is to be done**
Lot 24 on Deposited Plan 243261 - Reserve 22948, Shoalwater
- 3. Area of Clearing**
The Permit Holder must not clear more than 0.12 hectares of native vegetation within the area hatched yellow on attached Plan 5599/1.
- 4. Period in which clearing is authorised**
The Permit Holder shall not clear native vegetation unless undertaking construction of the car park within 1 month of the authorised clearing being undertaken.
- 5. 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.
- 6. Type of clearing authorised**
This Permit authorises the Permit Holder to clear native vegetation for the activity described in condition 1 of this Permit to the extent that the Permit Holder has the power to carry out works involving clearing for this activity under the *Local Government Act 1995* or any other written law.
- 7. 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

- 8. Avoid, minimise etc clearing**
In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:
 - (a) avoid the clearing of native vegetation;
 - (b) minimise the amount of native vegetation to be cleared; and
 - (c) reduce the impact of clearing on any environmental value.

9. 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;

weed/s means any plant -

- (a) that is declared under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in the 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*

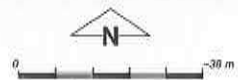
20 June 2013

Plan 5599/1



LEGEND

- Road Centrelines
 - Local Government Authorities Clearing Instruments
 - Areas Approved to Clear
- Pertn Metropolitan Central
15cm Orthomosaic - Landgate
2011



Scale 1:1443

(Approximate when reproduced at Letter)

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 20/6/13
M. Warnock

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



1. Application details

1.1. Permit application details

Permit application No.: 5599/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: City of Rockingham

1.3. Property details

Property: LOT 24 ON PLAN 243261 (SHOALWATER 6169)
Local Government Area: City of Rockingham

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 20 June 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
Mapped Beard Vegetation Association 3048 is described as shrublands consisting of scrub-heath on the Swan Coastal Plain (Shepherd et al, 2001).	This application proposes to clear 0.12 hectares of native vegetation within Lot 24 on Deposited Plan 243261 (Reserve 22948), Shoalwater, for the purpose of constructing an additional car park.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The condition of the vegetation was established via a site inspection (DEC, 2013)
Mapped Heddle Vegetation Quindalup Complex consists predominantly of coastal dune complex consisting mainly of two alliances; the strand and fore-dune alliance and the mobile and stable dune alliance. Local variations include the low closed forest of <i>Melaleuca lanceolata</i> (Rottnest Teatree), <i>Callitris preissii</i> (Rottnest Island Pine) and closed scrub of <i>Acacia rostellifera</i> (Summer-scented Wattle) (Hedde et al, 1980).	The vegetation under application is largely comprised of closed scrub of <i>Acacia rostellifera</i> , with other species including <i>Olearia axillaris</i> , <i>Scaevola crassifolia</i> , and <i>Atriplex isatidea</i> . Scattered occurrences of several weed species including <i>Tetragonia decurrens</i> , <i>Trachyandra divaricata</i> and <i>Euphorbia paralias</i> also occur on site (DEC, 2013).		

3. Assessment of application against clearing principles

Comments

This applicant proposes to clear 0.12 hectares of native vegetation within Lot 24 on Deposited Plan 243261 (Reserve 22948), Shoalwater, for the purpose of constructing an additional car park. The vegetation is in a very good (Keighery, 1994) condition (DEC, 2013).

The vegetation under application is largely comprised of closed scrub of *Acacia rostellifera*, which forms a dense thicket over much of the application area. Other species on site include *Olearia axillaris*, *Scaevola crassifolia*, and *Atriplex isatidea*. These species are largely confined to the most southern and western portions of the application area where *Acacia rostellifera* is less dense. Scattered occurrences of several weed species including *Tetragonia decurrens*, *Trachyandra divaricata* and *Euphorbia paralias* also occur on site (DEC, 2013).

Three priority flora species have been mapped within the local area (10 kilometre radius), the closest of these is mapped approximately 2.9 kilometres north of the application area. This species is an erect shrub with a preference for sand or outcropping limestone (Western Australian Herbarium, 1998-). Given that the application area is dominated by dense thickets of *Acacia rostellifera*, which is characterised by its aggressive suckering habits (Chaplin and Maslin, 1992), it is not likely for this species to occur within the area of proposed clearing.

There are no species of rare flora mapped within the local area (10 kilometre radius).

Given the small size of the application area, and that it's located directly adjacent to an area of high disturbance, it is unlikely that the 0.12 hectares of vegetation under application provides significant habitat for fauna indigenous to Western Australia.

The 'Northern Spearwood shrublands and woodlands' is the closest Priority Ecological Community (PEC) to the application area, located approximately seven kilometres south east. The closest threatened ecological community (TEC) to the application area is the critically endangered 'stromatolite like microbialite community of coastal freshwater lakes (Lake Richmond)' located approximately 1.8 kilometres north east of the application area. The vegetation under application is not representative of the abovementioned PEC and TEC and the proposed clearing is unlikely to impact on these communities.

The City of Rockingham retains approximately 30 per cent of its pre-European vegetation (Government of Western Australia, 2013).

Given the small area proposed to be cleared, and that no wetlands or watercourses occur within the application area, it is not likely the proposed clearing will impact on water quality, consist of riparian vegetation or cause or exacerbate the intensity of flooding.

The sandy soils located within the application area may be prone to wind erosion post clearing. The requirement to commence construction of the car park within one month of clearing will help to minimise this risk.

The application area lies adjacent to the Shoalwater Islands Marine Park and within the Point Peron and Adjacent Bushland, Peron/Shoalwater Bay Bush Forever Site (355). The disturbance resulting from the proposed clearing will increase the risk of weeds spreading into conservation areas. Weed management practices will assist in mitigating this risk.

Given the above, the proposed clearing may be at variance to Principle (h) and is not likely to be at variance to any of the remaining clearing Principles.

Methodology

References:

- Keighery (1994)
 - Government of Western Australia (2013)
 - DEC (2013)
 - Western Australian Herbarium (1998-)
- GIS Databases:
- SAC Bio Datasets (Accessed June 2013)
 - DEC Tenure
 - BUSHFOREVER

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

Comments

The proposed clearing is for the purpose of expanding the existing Penguin Island car park to accommodate increased patronage to Penguin Island. The City of Rockingham has advised that illegal parking due to overflow is resulting in an unsafe environment for pedestrians and motorists (City of Rockingham, 2013).

No submissions from the public have been received for the proposed clearing.

Methodology

References:

- City of Rockingham

4. References

- Chapman, A.R., Maslin, B.R. (1992) *Acacia miscellany: 5. A review of the A. bivenosa group (Leguminosae: Mimosoideae: section Phyllodineae)*. *Nuytsia* 8.
- City of Rockingham (2013). Additional Information for Clearing Permit Application CPS 5599/1. DEC Ref A626028.
- DEC (2013) Site Inspection Report for Clearing Permit Application CPS 5599/1. Site inspection undertaken 17 May 2013 Department of Environment and Conservation, Western Australia. DEC Ref: A641392
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.
- Hedde, 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.
- 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.
- Western Australian Herbarium (1998-) *FloraBase - The Western Australian Flora*. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> (Accessed June 2013).

5. Glossary

Term	Meaning
DEC	Department of Environment and Conservation
GIS	Geographical Information System
TEC	Threatened Ecological Community