



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5596/1
Permit Holder:	City of Rockingham
Duration of Permit:	From 27 July 2013 to 27 July 2015

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

1. Purpose for which clearing may be done

Clearing for the purpose of relocating Western Power's power poles to allow for the City of Rockingham to undergo road construction.

2. Land on which clearing is to be done

Lot 395 on Deposited Plan 219858 (LEDA 6170)

Lot 501 on Deposited Plan 56798 (LEDA 6170)

3. Area of Clearing

The Permit Holder must not clear more than 0.68 hectares of native vegetation within the area cross hatched yellow on attached Plan 5596/1.

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.

A handwritten signature in cursive script, appearing to read "M Warnock", written over a horizontal line.

M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

27 June 2013

Plan 5596/1



LEGEND

Cadastre for labelling
 Local Government
 Authorities
 Perth Metropolitan Area
 Central 15cm Orthomosaic -
 Landgate 2012
 Road Centrelines

Clearing instruments
 Areas Approved to Clear



Scale 1:2000
 (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.

M Warnock Date: 27/6/13
 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.



Department of
Environment and Conservation
 Our environment, our future
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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.: 5596/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: City of Rockingham

1.3. Property details

Property: LOT 395 ON PLAN 219858 (LEDA 6170)
LOT 501 ON PLAN 56798 (LEDA 6170)
Local Government Area: City of Rockingham

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.68		Mechanical Removal	Water/gas/cable/pipeline/power installation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 27 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
Beard vegetation association: 3048: as Shrublands; scrub-heath on the Swan Coastal Plain (Shepherd et al., 2001).	The proposed clearing of 0.68 hectares within Lot 395 and Lot 501 is for the purpose of relocating Western Power's power poles.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 1994).	The vegetation condition and description was determined from photographs supplied by the City of Rockingham (2013), aerial photography (Perth Metropolitan area central 15cm orthomosaic - landgate 2012) and site visit by Department of Environment and Conservation officers on the 31 May 2013 (DEC, 2013).
Heddlle vegetation complex: Quindalup Complex: 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 Melaleuca lanceolata (Rottneest Teatree) - Callitris preissii (Rottneest Island Pine) and the closed scrub of Acacia rostellifera (Summer-scented Wattle) (Heddlle et al., 1980).	The vegetation is in good to completely degraded (Keighery, 1994) condition (DEC, 2013). The small good patch of vegetation within the application area consists of Tuarts, Melaleucas and Acacias with native midstorey and sedges (DEC, 2013).	To Completely Degraded: No longer intact; completely/almost completely without native species (Keighery, 1994).	
	The vegetation proposed to be cleared is in a very open area, located on the northern side of Mandurah Road and southern side of the railway line. The application comprises of an isolated strip of vegetation approximately 350 metres long and 25 metres wide (DEC, 2013).		

3. Assessment of application against clearing principles

Comments

The application is to clear 0.68 hectares of native vegetation for the purpose of relocating Western Power's power poles to enable the City of Rockingham to complete their road construction on Mandurah Road reserve. The vegetation is in a good to completely degraded (Keighery, 1994) condition, the good patch of vegetation consists of Tuarts, Melaleucas and Acacias with native midstorey and sedges (DEC, 2013).

The local area (10 kilometre radius) is approximately 60 per cent vegetated and the mapped vegetation types are well represented, retaining approximately 60 and 30 per cent of the Heddlle vegetation and Beard vegetation complexes respectively (Shepherd, 2007; Government of Western Australia, 2013). The majority of the native vegetation in the local area is within the Leda Nature Reserve, 45 metres northwest of the application area and Bush Forever sites, approximately 45 metres northwest and southeast of the application area.

There are no rare or priority flora species or threatened ecological communities in the vicinity of the project. The closest records of priority and rare flora are at least four kilometres away from the application area. The

vegetation proposed to be cleared is a narrow, isolated strip of vegetation in mostly completely degraded (Keighery, 1994) condition and there are larger areas of better vegetation in the surrounding area (60 per cent). Therefore, it is not considered likely for the proposed clearing to include habitat for these species or contain a high level of biodiversity.

There are 46 fauna species of conservation significance recorded within the local area (10 kilometre radius). The closest records are the Black-striped Snake (Priority 3 under the Wildlife Conservation Act 1950 (WC Act)) and Quenda (*Isodon obesulus* subsp. *fusciventer*) (Priority 4 under WC Act) (DEC 2007-). The application area contains a few tuart trees however they do not contain nesting hollows for native fauna (DEC, 2013). Furthermore, it is noted that the area under application is surrounded by large tracts of conservation areas, such as Leda Nature Reserve and Unallocated Crown Land, which are likely to provide significant habitat. Therefore, the vegetation under application is not likely to be significant habitat for indigenous fauna.

A small section of the application area, on the south eastern side is mapped within a conservation category wetland. The presence of *Melaleucas*, suggests that the vegetation within the application area is growing in association with the conservation wetland. Mandurah Road has dissected this wetland and therefore the proposed clearing is unlikely to impact upon the values of the wetland.

The proposed clearing is in close proximity (45 metres) to Bushforever sites and Leda Conservation Reserve. Given the vegetation to be cleared is well represented in the local area (60 per cent) and that the proposed clearing is of a small (0.68 hectares), isolated and mostly in completely degraded (Keighery, 1994) strip of vegetation, the proposed clearing is unlikely to impact the values of these conservation areas.

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

Methodology

References

- DEC (2007)
- DEC (2013)
- Keighery (1994)
- Government of Western Australia (2013)
- Shepherd (2007)

GIS databases:

- DEC Tenure
- Hedde Vegetation Complexes
- Hydrography, linear
- NWLRA, Extent of Native Vegetation
- Perth Metropolitan area central 15cm orthomosaic - landgate 2012
- Pre-European vegetation
- SAC Bio datasets (Accessed 06 May 2013)
- Soils, Statewide

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

Comments

The clearing of 0.68 hectares is for the relocation of Western Powers power poles to enable the City of Rockingham to complete their road construction on Mandurah Road reserve.

The Department of Regional Development and Lands and the Town of Kwinana have provided a letter of authority to access Lot 395 on Plan 219858 and Lot 501 on Plan 56798 (City of Rockingham, 2013).

The application area is within the boundaries of the Gnaala Karla Booja claimant's area. The Department Environment and Conservation (DEC) notified the native title claimants and their representative body of the proposed clearing, pursuant to Section 24KA of the Native Title Act.

The application area is zoned primary and other regional roads under the Metropolitan Regional Scheme.

There are no Aboriginal Sites of Significance mapped within the application area.

Methodology

References

- City of Rockingham (2013)

GIS databases:

- Aboriginal Sites of Significance
- Town Planning Scheme Zones

4. References

- City of Rockingham (2013) CPS 5596/1 Application form and supporting documents for clearing application. Lots 395 on Plan 219858 and Lot 501 on Plan 56798, Leda. DEC Ref. A6255404.
- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 06/05/2013.
- DEC (2013) Site Inspection Report for Clearing Permit Application CPS 5596/1, Lots 395 on Plan 219858 and Lot 501 on Plan 56798, Leda. Site inspection undertaken 31/05/2013. Department of Environment and Conservation, Western Australia. DEC Ref. A625404.
- 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.
- 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. (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)