



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5061/1
File Number: 2011/006792-1
Duration of Permit: From 13 July 2012 to 13 July 2014

PERMIT HOLDER

City of Joondalup

LAND ON WHICH CLEARING IS TO BE DONE

Lot 14052 on Deposited Plan 220953, Craigie.

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.129ha within the area hatched yellow on attached Plan 5061/1.

CONDITIONS

1. Dieback and 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* and *dieback*:

- a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- b) ensure that no *dieback* or *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:

dieback means the effect of *Phytophthora* species on native vegetation

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/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 June 2012

Plan 5061/1



LEGEND

- Cadastral**
- Freehold
 - Crown Reserve
 - State Forest / Timber Box
 - Marine Park
 - Crown Lease
 - Lease / Reserve
 - Lease on State Forest / Tr
 - Public Roads
 - Unallocated Crown Land
 - Water
- Road Centrelines**
- Road Centrelines
- Clearing Instrument**
- Areas Approved to Clear
 - Perth Metropolitan / Orthomosaic - Land

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



Scale 1:1434
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: Figures in this map have not been checked. This may result in geometric distortion or measurement inaccuracies.

Kelly Faulkner
Date 21/6/12

Kelly Faulkner

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



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1. Application details

1.1. Permit application details

Permit application No.: 5061/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Joondalup

1.3. Property details

Property: LOT 14052 ON PLAN 220953 (House No. 759 WHITFORDS CRAIGIE 6025)
Local Government Area: City of Joondalup
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.129		Mechanical Removal	Recreation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 21 June 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
The area under application is mapped as Heddle vegetation Cottesloe Complex central and south, consisting of predominantly open forest of Eucalyptus gomphocephala (Tuart), Eucalyptus marginata (Jarrah), Corymbia calophylla (Marri) and woodland of Eucalyptus marginata (Jarrah) (Heddle, 1980).	The proposal is to clear 0.129 hectares of native vegetation within Lot 14052 on Plan 220953, Craigie, for the purpose of bank slope reduction of the storm water sump.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was obtained through aerial imagery (Perth Metropolitan central 50cm orthomosaic Landgate, 2011).

Mapped Beard vegetation association 1007 is described as Mosaic: Shrublands; Acacia lasiocarpa & Melaleuca acerosa heath / Shrublands; Acacia rostellifera & Acacia cyclops thicket (Shepherd et al, 2001).

3. Assessment of application against clearing principles

Comments

The application is to clear a total of 0.129 hectares of native vegetation within Lot 14052 on Plan 220953, Craigie, for the purpose of bank slope reduction of the storm water sump. The vegetation is in a degraded condition (Keighery, 1994).

No priority or rare flora species have been recorded within the application area.

There is approximately 71 percent of Beard Vegetation Association 1007 and 30 per cent of Heddle Vegetation Karrakatta Complex remaining within the Swan Bioregion (Government of Western Australia, 2011). Given the proposed clearing is for 0.129ha, the area under application is not considered to be a significant remnant.

The proposed clearing falls within the Yellagonga Regional Park, Wanneroo, Woodvale and Kingsley - Bush Forever site 299. The disturbance resulting from the proposed clearing will increase the risk of weeds and dieback spreading into the Bush Forever site. Weed and dieback management practices will assist in mitigating this risk.

Given the small area under application it is unlikely that the proposed clearing will negatively impact upon water quality, cause appreciable land degradation or cause or exacerbate the incidence of flooding.

Given the above the proposed clearing may be at variance to principle (h), and is not likely to be at variance to any other principle.

- Methodology** References:
- Government of Western Australia (2011)
 - Keighery (1994)
- GIS Databases:
- SAC Bio datasets (accessed 2 March 2012)
 - Naturebase
 - Pre-European Vegetation
 - Hedde Vegetation
 - WA Herbarium (1998)
 - Perth Metropolitan Central 15cm Orthomosaic - Landgate 2011

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

Comments

No submissions from the public have been received.

The Department of Planning has recommended that disturbance of native vegetation surrounding the proposed clearing be minimised and no building materials, rubbish or other matter be deposited into Bush Forever site 299 during or after development (Department of Planning, 2012).

The proposed clearing falls within the Perth Underground Water Pollution Control Area, a Priority 3 Public Drinking Water Source Area. The Department of Water has been notified of this application.

Reserved under Management Order by the City of Joondalup for the purpose of public recreation.

- Methodology** References:
- Department of Planning (2012)

4. References

- Department of Planning (2012) Bush Forever advice for Clearing Permit Application CPS 5007/1. Department of Planning, Western Australia (DEC Ref: A509860).
- 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.

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)