



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4992/1
File Number: 2012/002559-1
Duration of Permit: From 23 June 2012 to 23 June 2014

PERMIT HOLDER

Botanic Gardens and Parks Authority

LAND ON WHICH CLEARING IS TO BE DONE

LOT 12965 ON PLAN 21069 (WEST COAST HIGHWAY, CITY BEACH 6015)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.1 hectares of native vegetation within the area hatched yellow on attached Plan 4992/1.

CONDITIONS

1. 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.

2. 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.

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*.



M Warnock
MANAGER, COMPLIANCE AND AUDIT SECTION
NATIVE VEGETATION CONSERVATION BRANCH

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

1 June 2012

Plan 4992/1



- LEGEND**
- Environment Australia**
- Areas Approved to Clear
 - Road Centrelines
 - Local Government
 - TOWNS**
 - A
 - B
 - C
 - Cadastral
 - Perth Metropolitan
 - Orthomosaic - Linc

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



Scale 1:2500
 (Approximate view/reproduction 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. Waincock Date 11/6/12
 M Waincock

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

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1. Application details

1.1. Permit application details

Permit application No.: 4992/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Botanic Gardens and Parks Authority

1.3. Property details

Property: LOT 12965 ON PLAN 21069 (WEST COAST HIGHWAY, CITY BEACH 6015)
Local Government Area: Town of Cambridge
Colloquial name: Bold Park

1.4. Application

Clearing Area (ha)	Method of Clearing	For the purpose of:
0.1	Mechanical Removal	Recreation

1.5. Decision on application

Decision on Permit Application: GRANT
Decision Date: 1 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
Beard vegetation association: 998 - Medium woodland; Tuart (Shepherd et al, 2001).	The vegetation under application comprises floristic community type SCP 24 - Northern Spearwood Shrublands and Woodlands with some large tuarts. The vegetation is considered to be in 'very good' (Keighery, 1994) condition with evidence of some disturbance in the area from human access and existing tracks.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	Vegetation condition established from aerial imagery (Perth Metropolitan Central 15cm Orthomosaic - Landgate 2011) and from previous monitoring work undertaken by Department of Environment and Conservation within Bold Park (DEC, 2012).
Hedde vegetation complex - Cottesloe Complex Central and South: Mosaic of woodland of <i>Eucalyptus gomphocephala</i> (Tuart) and open forest of <i>E. gomphocephala</i> - <i>Eucalyptus marginata</i> (jarrah) - <i>Corymbia calophylla</i> (marril); closed heath on the limestone outcrops) (Hedde et al, 1980).			

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**

The applied clearing area comprises approximately 0.1ha of native vegetation within a 0.7ha area and is for the purposes of constructing a boardwalk to provide formal western access into Bold Park (BGPA, 2012).

The vegetation under application is part of an occurrence of a priority 3 ecological community, SCP24 - Northern Spearwood Shrublands and Woodlands. The vegetation is considered to be in 'very good' (Keighery, 1994) condition. This area of Bold Park was subject to a fire in March 2012.

The applied clearing area lies approximately 1km from a known Carnaby's cockatoo (*Calyptorhynchus latirostris*) roost site and therefore is likely to provide foraging habitat for this species. The applicant has advised that major trees will be avoided in the final alignment. Given this, and the scale and selective nature of the clearing, the area under application is not considered likely to comprise significant habitat for indigenous fauna.

The applied clearing area also lies within a Bush Forever site, System 6 conservation reserve (M47) and a Class A reserve. The applicant has advised that the clearing will be selective manual clearing with the alignment, design and construction method selected to minimise impact on existing vegetation (BGPA, 2012). Given this, the proposed clearing itself is not likely to impact the environmental values of this conservation area and the formalised access for the boardwalk will ultimately assist in protecting the bushland in the longer term.

The proposed clearing is considered to be may be at variance to principles (a) and (h), and not likely to be at variance to the other clearing principles. Given the 'very good' (Keighery, 1994) condition of vegetation within this conservation area, the presence of a priority 3 ecological community and the significance of Bold Park in providing habitat for indigenous fauna, appropriate weed control and dieback hygiene measures will be required to be implemented to reduce the risk of introduction and/or spread of weeds and dieback throughout the reserve.

- Methodology** References:
- BGPA (2012)
- GIS Databases:
- Bush Forever - MFP
 - SAC Biodatasets, Accessed 30 April 2012 - DEC
 - System 6 Conservation Reserves – DEC
 - Perth Metropolitan Central 15cm Orthomosaic – Landgate 2011

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

Comments

The applied clearing area comprises up to 0.1ha of native vegetation within a 0.7ha area within Bold Park (Lot 12965 on Plan 21069, City Beach).

Lot 12965 on Plan 21069, City Beach is zoned 'Parks and Recreation' under the Perth Metropolitan Region Scheme. The applied area is part of a Class A reserve managed for the purpose of 'park.'

The applied clearing area lies within Bush Forever area 312 - Bold Park and Adjacent Bushland, City Beach. The State Strategic Policy Section of Department of Planning have advised that they have no objections to the proposed clearing of 0.1ha for the boardwalk subject to conditions being that "disturbance of vegetation surrounding the proposed access is to be minimised" and " no building materials, rubbish or other matter is to be deposited into Bush Forever area 312 during or after development" (DoP, 2012).

The applied clearing area lies within a registered Aboriginal Site of Significance. The applicant will be advised that advice should be sought from the Department of Indigenous Affairs prior to the commencement of works or clearing.

The vegetation under application occurs within the Perth Ground Water Area proclaimed under the Rights in Water and Irrigation Act 1914, administered and managed by the Department of Water. Any construction of bores or taking of groundwater in this area requires approval from the Department of Water. There is not likely to be any requirement for taking of groundwater for the proposed construction for a boardwalk.

- Methodology** References:
- DoP (2012)
- GIS Databases:
- Aboriginal Sites of Significance - DIA
 - Cadastre - Landgate
 - Metropolitan Regional Scheme - DoP
 - RiWI Act, Groundwater Areas - DoW

4. References

- BGPA (2012) Application for a clearing permit (area permit) - Lot 12965 on Plan 21069 (Bold Park), City Beach. Botanic Gardens and Parks Authority. Floreat, Western Australia. DEC ref A491048.
- DEC (2012) Priority Ecological Community and Carnaby's cockatoo (*Calyptorhynchus latirostris*) advice for clearing application (CPS 4992/1) for Lot 12965 on Plan 21069 (Bold Park), City Beach. Species and Communities Branch, Department of Environment and Conservation. Kensington, Western Australia. DEC ref A506118.
- DoP (2012) Application to Clear Native Vegetation (CPS 4992/1), Bush Forever Advice. State Strategic Policy, Department of Planning. Perth, Western Australia. DEC ref A503622.
- 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
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DIA	Department of Indigenous Affairs
DoP	Department of Planning
DoW	Department of Water
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
MFP	Ministry for Planning