



## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

### PERMIT DETAILS

Area Permit Number: 3676/1  
File Number: DEC14882  
Duration of Permit: From 24 July 2010 to 24 July 2012

### PERMIT HOLDER

City of Canning

### LAND ON WHICH CLEARING IS TO BE DONE

LOT 540 ON PLAN 12128 (BATTERSEA ROAD, CANNING VALE 6155)  
ROAD RESERVE (CRUFTS WAY, CANNING VALE 6155)

### AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.64 hectares of native vegetation within the areas hatched yellow on attached Plan 3676/1.

### CONDITIONS

#### 1. 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.

### 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;

**term** means the duration of this Permit, including as amended or renewed;

**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*.



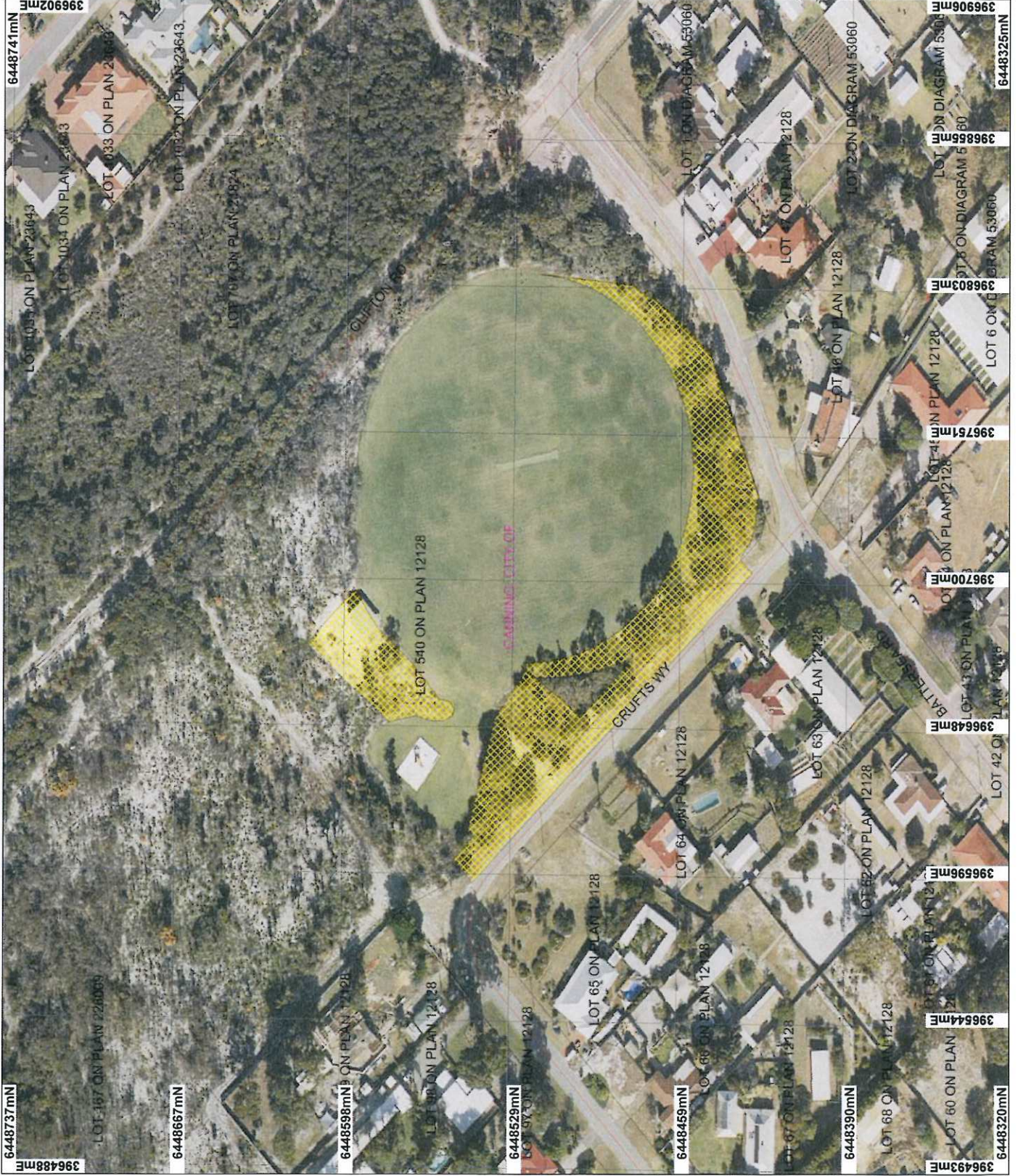
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Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

24 June 2010

# Plan 3676/1



## LEGEND

### Existing Infrastructure

- Areas Approved to Clear
- Road Centrelines
- Cadastre\_1
- Swan Coastal Plain Orthomosaic - Lunc
- Local Government /



Scale 1:2000  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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

*[Signature]* Date 24/6/10

K Faulkner

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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## 1. Application details

### 1.1. Permit application details

Permit application No.: 3676/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: City of Canning

### 1.3. Property details

Property: LOT 540 ON PLAN 12128 (BATTERSEA ROAD, CANNING VALE 6155)  
ROAD RESERVE ( CRUFTS WAY, CANNING VALE 6155)  
Local Government Area: CITY OF CANNING

### 1.4. Application

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

## 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: 1001 - Medium very sparse woodland; jarrah, with low woodland; banksia and casuarina (Hopkins et al, 2001).	The area under application comprises Eucalyptus marginata (Jarrah) and Allocasuarina fraseriana over Banksia menziesii and Eucalyptus tottiana over mixed shrubs including Adenanthos cygnorum, Dasypogon bromeliifolius, Jacksonia furcellata and Macrozamia riedlei and Xanthorrhoea preissii. The area also includes some planted eastern states Eucalyptus sp. and ranges from 'degraded' to 'good' (Keighery, 1994) condition.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition confirmed through DEC site visit under taken on 10 May 2010 (DEC, 2010) and through aerial photography Swan Coastal Plain Central 20cm Orthomosaic - Landgate 2009.
Hedde Vegetation Complex: Vegetation ranges from woodland of Eucalyptus marginata (jarrah) - Allocasuarina fraseriana (sheoak) - Banksia species to low woodland of Melaleuca species and sedgelands on the moister sites. This area includes the transition of Eucalyptus marginata (jarrah) to Eucalyptus tottiana (pricklybark) in the vicinity of Perth. (Hedde et al, 1980).		Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	

## 3. Assessment of application against clearing principles

### Comments

The proposal to clear up to 0.64ha of native vegetation for the purpose of development of a recreational facility is unlikely to have significant environmental impacts. The vegetation ranges from 'degraded' to 'good' (Keighery, 1994) condition with most of the vegetation being around the outskirts of the existing oval and infrastructure. The applied clearing area has some weed encroachment and planted eastern states Eucalypt species growing amongst the vegetation (DEC, 2010).

There are eighteen threatened and priority fauna species recorded within a 10km radius, including the Forest Red-tailed black cockatoo (*Calyptorhynchus banksii naso*) approximately 900m from the applied clearing area. One habitat tree, a *Eucalyptus marginata*, was recorded within the applied clearing area near Battersea Road with one, potentially two, hollows which would be suitable habitat for indigenous fauna species, particularly bird species (DEC, 2010). However, the area under application is small (0.64ha) and there are significant areas of native vegetation in the vicinity of the applied clearing area within neighbouring local government boundaries, including the Jandakot Regional Park and Jandakot Airport Area which is both registered within the Register of National Estate and a System 6 reserve. Therefore, the area as a whole is not considered likely to be significant habitat for indigenous fauna.

The area under application is mapped as being part of the Eastwood Parade dampland, a Multiple Use category wetland and lies just outside the 50m buffer to the Conservation Category wetland (CCW) portion of this dampland and approximately 20m of a currently unmapped wetland to the west. Given that the proposed clearing area is small and occurs around existing cleared areas, impacts of clearing on this wetland system are likely to be minimal.

In addition to the CCW, the applied clearing area lies approximately 35m from Bush Forever site 389 - Acourt Road Bushland, Banjup. The death of some Banksias neighbouring the applied clearing area were observed during the site visit which may be attributed to *Phytophthora cinnamomi* (dieback) (DEC, 2010). Given the close proximity of the applied clearing area, there is also the potential for indirect impacts on the environmental values of the Bush Forever site and the CCW such as the introduction or spread of dieback and/or weed species during the clearing process and therefore the proposal may be at variance to principle (h).

With the exception of the potential for impacts upon nearby conservation areas, given the small scale and the overall 'degraded' (Keighery, 1994) condition of the vegetation under application, it is concluded that the proposed clearing is not likely to be at variance to any of the other clearing principles.

#### Methodology

##### References:

- DEC (2010)
- Keighery (1994)

##### GIS Databases:

- Bush Forever - MFP
- CALM Regional Parks - DEC
- Geomorphic wetlands (Mgt Categories), Swan Coastal Plain - DEC
- Hydrography linear - DoW
- Hydrography linear (hierarchy) - DoW
- Register of National Estate
- SAC Biodatasets - Accessed 22 April 2010
- Soils, Statewide - DA
- Swan Coastal Plain Central 20cm Orthomosaic - Landgate 2009
- System 6 Conservation Areas - DEC
- Topographic Contours, Statewide

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

##### Comments

The area under application was amended on the 10 June 2010 from 2.44ha to 0.64ha (City of Canning, 2010b) as a result of environmental matters identified in association with the area that was previously under stage 2 of the original proposal, which was also a portion of the offset for the widening of Nicholson Road (CPS1846/1) (City of Canning, 2009).

The Clifton Reserve is zoned as 'Local Park and Recreation area' under the Town Planning Scheme and vested for the purpose of 'public recreation' and zoned 'Rural - water protection' under the Metropolitan Region Scheme.

The City has advised that the current applied clearing area (originally referred to as stage 1 of the proposed clearing) is required in order to extend the football oval to meet the minimum size standards for an Australian Rules oval, an appropriate car park for visitors and a sporting pavilion (City of Canning, 2010a & City of Canning 2010b).

The proposed clearing area lies within the Jandakot RiWI ground water area within which ground water resources are managed under the Rights in Water and Irrigation Act 1914 administered by the Department of Water (DoW). Any taking of groundwater resources in this area therefore requires a licence from DoW. The site also lies within a priority 2 area of the Jandakot Underground Water Pollution Control Area (UWPCA), a public drinking water source area. Priority 2 areas are managed so as to not increase the risk of water source contamination or pollution with some low risk land development allowed in instances where the risk can be minimised (DoE, 2004). The DoW has advised that the development of recreational facilities are compatible with conditions in priority 2 areas and given "public recreation is a permitted land use under in the Statewide Planning Policy 2.3 for the Jandakot UWPCA, the DoW has no objections to the clearing of native vegetation" from the site as long as all relevant approvals are obtained (DoW, 2010).

The Department of Planning (DoP) (2010) has no objections to the clearing permit as the proposed clearing is outside the Bush Forever site. However, DoP does recommend that "all construction work is to be done in an environmentally sensitive manner with minimum disturbance to the natural vegetation surrounding the clearing" (DoP, 2010).

- Methodology**    **References:**
- City of Canning (2009)
  - City of Canning (2010a)
  - City of Canning (2010b)
  - DoP (2010)
  - DoE (2004)
  - DoW (2010)
- GIS Databases:**
- Metropolitan Regional Scheme - DPI
  - Public Drinking Water Source Areas (PDWSA) - DoW
  - RiWI Act, Groundwater Areas - DoW
  - SAC Biodatasets - Accessed 22 April 2010
  - Town Planning Scheme Zones - MFP

#### 4. References

- City of Canning (2009) 2009 Annual Report for the Nicholson Road Clearing Permit and Offset CPS 1846/1, Prepared by the City of Canning for Department of Environment and Conservation. City of Canning, Cannington, Western Australia. TRIM ref DOC101068.
- City of Canning (2010a) Application for a Clearing Permit (Area Permit), Application to Clear Native Vegetation, Clifton Park, Canning Vale. City of Canning, Cannington, Western Australia. TRIM ref DOC124682.
- City of Canning (2010b) Revised Application to Clear Native Vegetation, Clifton Park, Canning Vale (CPS 3676/1). City of Canning, Cannington, Western Australia. DEC ref A309460.
- DEC (2010a) Site Inspection Report for Clearing Permit Application CPS 3676/1, Lot 540 on Plan 12128 (Reserve 36559) and Crufts Way road reserve, Canning Vale. Site inspection undertaken 10 May 2010. Department of Environment and Conservation, Western Australia (DEC Ref. A304872).
- DoE (2004) Water Quality Protection Note: Land Use Compatibility in Public Drinking Water Source Areas July 2004. Department of Environment, East Perth, Western Australia.
- DoP (2010) Bush Forever Advice on Application to Clear Native Vegetation. State Strategic Policy, Department of Planning, Perth, Western Australia. DEC ref A302981.
- DoW (2010) Department of Water Advice for Lot 540 on Plan 12128, Canning Vale: Application to Clear Native Vegetation under Environmental Protection Act 1986. Department of Water, Victoria Park, Western Australia. DEC ref A304930.
- 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.
- Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

#### 5. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management (now DEC)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment (now DEC)
DoP	Department of Planning
DoW	Department of Water
DMP	Department of Mines and Petroleum (ex DoIR)
DPI	Department of Planning and Infrastructure (now DoP)
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
MFP	Ministry for Planning (now DoP)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DoW)