



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4100/1
File Number: DEC1297
Duration of Permit: From 20 July 2012 to 20 July 2017

PERMIT HOLDER

Shire of Kalamunda

LAND ON WHICH CLEARING IS TO BE DONE

Lot 3000 on Deposited Plan 44636, KALAMUNDA (Hartfield Park, Crown Reserve 17098)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.88 hectares of native vegetation within the area hatched yellow on attached Plan 4100/1.

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) shall only move soils in *dry conditions*;
- (c) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (d) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

2. Offset

The Permit Holder must implement and adhere to the Poison Gully West Offset Project 2012 proposal dated 20 June 2012.

3. Records must be kept

The Permit Holder must maintain the following records for activities done in relation to the *offset* of areas pursuant to condition 2:

- (a) the location of any area of *offsets* recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
- (b) a description of the *offset* activities undertaken; and
- (c) the size of the *offset* area (in hectares).

4. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
 - (i) of records required under condition 3 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.

- (b) Prior to 20 April 2017, the Permit Holder must provide to the CEO a written report of records required under condition 3 of this Permit where these records have not already been provided under condition 4(a) of 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*.

offset/s means an offset required to be implemented under condition 2 of this Permit.



Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH



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

28 June 2012

Plan 4100/1



LEGEND

<p>✓ Road Centrelines</p> <p>Cadastre for labelling</p> <ul style="list-style-type: none"> □ Freehold □ Crown Reserve □ State Forest / Timber Reserve □ Marine Park □ Crown Lease (cont) 	<ul style="list-style-type: none"> □ Lease / Reserve □ Lease on State Forest / Timber Reserve □ Public Roads □ Unallocated Crown Land □ Water <p>Perth Metropolitan Central 15cm Orthomosaic - Landgate 2011</p>	<p>Clearing Instruments</p> <ul style="list-style-type: none"> ■ Area Applied to Clear ■ Area Subject to Conditions ■ Area Approved to Clear 	<p style="text-align: center;">N</p> <p style="text-align: center;">0 ————— 75 m</p> <p>Scale 1:2920 (Approximate when reproduced at A4)</p> <p>Geocentric Datum Australia 1994</p> <p>Note: the data in this map have not been projected. This may result in geometric distortion of measurement inaccuracies.</p> <p><i>[Signature]</i> Date 28/6/12</p> <p>K. Faulkner</p> <p>Officer with delegated authority under Section 20 of the Environmental Protection Act 1986</p> <p>Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.</p> <p style="text-align: center;">  Department of Environment and Conservation Our environment, our future  WA Crown Copyright 2002 </p>
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1. Application details

1.1. Permit application details

Permit application No.: 4100/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Kalamunda

1.3. Property details

Property: LOT 3000 ON PLAN 44636 (House No. 199 HALE FORRESTFIELD 6058)
Local Government Area: Shire of Kalamunda
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 28 July 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: 968 Medium woodland; jarrah, marri and wandoo (Shepherd et al 2009).	The proposal is for the clearing of 1.88ha for the redevelopment of sporting facilities within Hartfield Park.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation under application was established through a site visit undertaken by DEC officers on the 15 December 2010 (DEC 2010).
Hedde Vegetation Association: Southern River Complex: Open woodland of <i>Corymbia calophylla</i> (Marri) - <i>Eucalyptus marginata</i> (Jarrah) - <i>Banksia</i> species with fringing woodland of <i>Eucalyptus rudis</i> (Flooded Gum) - <i>Melaleuca raphiophylla</i> (Swamp Paperbark) along creek beds (Hedde et al 1980).	The vegetation under application consists of jarrah and marri woodland, consisting predominantly of <i>Eucalyptus marginata</i> (Jarrah), <i>Corymbia calophylla</i> , over <i>Banksia armata</i> var. <i>armata</i> , <i>Banksia dallanneyi</i> , <i>Allocasuarina humilis</i> , <i>Hibbertia hypericoides</i> , <i>Mesomelaena pseudostygia</i> , <i>Xanthorrhoea preissii</i> , and <i>Verticordia densiflora</i> var. <i>densiflora</i> .		
	There were limited weed species in the north east section, but are spread through the remainder of the application area.		

3. Assessment of application against clearing principles

Comments

The vegetation under application consists of jarrah and marri woodland, consisting predominantly of *Eucalyptus marginata* (Jarrah), *Corymbia calophylla*, over *Banksia armata* var. *armata*, *Banksia dallanneyi*, *Allocasuarina humilis*, *Hibbertia hypericoides*, *Mesomelaena pseudostygia*, *Xanthorrhoea preissii*, and *Verticordia densiflora* var. *densiflora*. There were limited weed species in the north east section, but are spread through the remainder of the application area. The application area is in a predominately degraded (Keighery 1994) condition (DEC 2010).

A flora survey for rare and priority flora has been conducted over the application area by Bennett Environmental Consulting Pty Ltd (2009). No rare or priority flora was identified and the majority of the area was found to be in a degraded to completely degraded condition. However there was a good tree cover dominated by marri (Bennett Environmental Consulting Pty Ltd 2009).

The area under application is part of a wildlife corridor (EDAW 2009). However, given the relatively small area proposed to be cleared (1.88ha) and the predominantly degraded (Keighery 1994) condition of the vegetation, it is not considered for the application area to be significant fauna habitat.

It is not considered for the relatively small area proposed to be cleared (1.88ha) to cause or exacerbate land degradation, water quality or flooding. It is considered unlikely for threatened ecological communities to occur within the application area.

The area under application occurs within Bush forever site 320 (Hartfield Park) which is considered to be a conservation area and an environmentally sensitive area. The proposed clearing will directly impact this conservation area by the removal of vegetation and may introduce and spread weeds and dieback. Therefore the proposed clearing is at variance to Principle 'h'. Weed management and an offset will mitigate these identified impacts.

Methodology

References

- Keighery (1994)
- DEC (2010)
- Bennett Environmental Consulting Pty Ltd (2009)
- EDAW (2009)

GIS Databases

- SAC Bio Datasets (15 December 2010)
- BushForever
- Pre-European Vegetation
- NLWRA, Current Extent of Native Vegetation
- Interim Biogeographic Regionalisation of Australia

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

Comments

The proposal is for the clearing of 1.88ha for the redevelopment of sporting facilities within Hartfield Park Bushland. There is overuse of the sporting grounds in Hartfield Park and a number of clubs have reported a need for additional grounds in the future as club participation continues to grow (EDAW 2009).

The applicant has provided an offset proposal to mitigate the proposed clearing. The Offset Proposal proposes to undertake weed control and revegetation within 4.04ha of Crown Reserves 40228 and 36492 (Poison Gully West) (Shire of Kalamunda, 2012).

The area under application is zoned -Parks and Recreation- under the Metropolitan Regional Scheme.

The Shire of Kalamunda's Hartfield Park Sport and Recreation Facilities Master Plan (Master Plan) for the proposed development has been approved by the Shire of Kalamunda's Council in August 2010.

The Master Plan (2010) states that the current groundwater licence is fully allocated and additional water supply will be needed for the proposed sporting fields. However, further advice from the reticulation supervisor from Shire of Kalamunda has been received stating that the water license for Hartfield Park is not fully allocated and that there is water available for the additional proposed sporting fields.

The Hartfield Park Management Plan prepared in 1996 recommends that no new sporting fields be constructed on Hartfield Park in areas containing existing bushland and recommends that Pioneer Park to be regarded as a first priority for sporting field planning in the area (Master Plan 2010). The Master Plan states that it has been based on the presumption that clearing of the area around Morrison Oval (within Hartfield Park) for additional sporting fields will not be permitted by the Department of Environment and Conservation, given Hartfield Park contains highly sensitive bushland with very high conservation value (Master Plan 2010).

Currently there are no plans for future sporting reserves within the Shire of Kalamunda. The Master Plan (2010) recommends that the Shire investigates the relocation of the Darling Range Horse and Pony Club, enabling the Hartfield Park equestrian grounds to be developed into sporting fields. Additionally, another option for the proposal is Pioneer Park, an old landfill site. The Master Plan (2010) recommends that the Shire conduct a geotechnical survey of Pioneer Park to identify remedial actions required to develop sporting fields capable of sustaining high impact winter sport usage.

The Master Plan (2010) proposes two development options for Morrison Oval (within Hartfield Park). Proposal one does not involve any clearing of native vegetation and involves the development of two soccer fields and a junior rugby field. The second proposal involves clearing within the application area and involves the development of four soccer fields and a regular rugby field. The Hartfield Park Recreation Master Plan Statement of Environmental Review recommends the incorporation of the hockey fields in the area of the Pony Club and states that it is possible without any clearing (EDAW 2009).

Shire of Kalamunda has advised that all facility developments recommended in the Master Plan such as the relocating of the pony club, Pioneer Park and the proposed clearing are all necessary to achieve the objectives of the Master Plan.

The State Strategic Policy section of the Department of Planning does not support the proposed clearing and

considers the use of the equestrian grounds for sporting fields to be a more appropriate option as outlined in the Shire of Kalamunda's Hartfield Park Sport and Recreation Facilities Master Plan 2010 (Department of Planning 2011). Additionally, the Bush Forever policy aims to protect regionally significant native vegetation, and has the key principle to avoid, minimise, and lastly mitigate any necessary clearing within a Bush Forever area (Department of Planning 2011). An offset proposal has been provided by the applicant. The Department of Planning (2011a) has advised that Poison Gully Bushland is a suitable location for the offset.

Methodology	<p>References</p> <ul style="list-style-type: none"> -EDAW (2009) -Department of Planning (2011) -Department of Planning (2011a) - Master Plan (2008) -Shire of Kalamunda (2010) -Shire of Kalamunda (2012) <p>GIS Databases</p> <ul style="list-style-type: none"> -Metropolitan Regional Scheme zones
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4. References

Bennett Environmental Consultancy Pty Ltd (2009) Significant Flora Search of Three Areas at Hartfield Park Forrestfield. DEC ref A352694

Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.

DEC (2010) Site Inspection Report for Clearing Permit Application CPS 4100/1, Lot 300 Hale road, Forrestfield. Site inspection undertaken 12/12/2010. Department of Environment and Conservation, Western Australia (DEC ref A360632)

Department of Planning (2011) State Strategic Policy comments on CPS 4100/1 - Lot 3000 Hale Rd, Forrestfield. Bush Forever site 320. DEC ref A362277

Department of Planning (2011a) State Strategic Policy comments on offset proposal for CPS 4100/1 - Lot 3000 Hale Rd, Forrestfield. Bush Forever site 320 DEC ref A427616

EDAW (2009) Hartfield Park Recreation master Plan - Statement of Environmental Review. Prepared for Shire of Kalamunda. DEC ref A352694

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.

Master Plan (2010) Hartfield Park Sport and Recreation Facilities Master Plan. Final report August 2010. DEC ref A352694

Shepherd, D.P. (2009) 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.

Shire of Kalamunda (2010) Clearing application and supporting information CPS 4100/1 - 1.88ha within Hartfield Park. DEC ref A352694

Shire of Kalamunda (2012) Poison Gully West Offset Project 2012 - Offset Proposal for CPS 4100/1 - Clearing of 1.88ha within Hartfield Park. DEC ref A516042

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
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)