



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5438/1
File Number: 2011/006893-1
Duration of Permit: 29 March 2013 to 29 March 2015

PERMIT HOLDER

Shire of Serpentine-Jarrahdale

LAND ON WHICH CLEARING IS TO BE DONE

Lot 427 on Deposited Plan 202731 (OLDBURY, 6121).

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.48 hectares of native vegetation within the area hatched yellow on attached Plan 5438/1.

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.
- (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; and

weed/s means any plant -

- (a) that is declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*;
or
- (b) published in the Department of Environment and Conservation Regional Weed Assessments,
regardless of ranking; or
- (c) not indigenous to the area concerned.



M Warnock
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

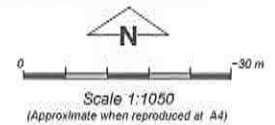
7 March 2013

5438/1 Plan



LEGEND

- | | |
|------------------------------|---|
| Local Government Authorities | Clearing Instruments |
| Cadastre_1 | Areas Approved to Clear |
| Road Centrelines | Perth Metropolitan Central
15cm Orthomosaic - Landgate
2011 |



Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

M Wainock Date 7/3/13
M Wainock

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.: 5438/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Serpentine-Jarrahdale

1.3. Property details

Property: LOT 427 ON PLAN 202731 (House No. 467 KING OLDBURY 6121)
Local Government Area: Shire of Serpentine-Jarrahdale
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 7 March 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
The vegetation under application is mapped as: Beard vegetation association: 1001: Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina (Shepherd et al., 2001). Hedde vegetation complex: Bassendean Complex-Central and South: Woodland of Eucalyptus marginata (Jarrah) - Corymbia calophylla (Marri) with well defined second storey of Allocasuarina fraseriana (Sheoak) and Banksia grandis (Bull Banksia) on the deeper soils and a closed scrub on the moister sites. The understorey species reflect similarities with the adjacent vegetation complexes (Hedde et al 1980).	The proposed clearing of 0.48 hectares within Lot 427 is for the purpose of constructing a dressage arena. The vegetation has been assessed as good (Keighery 1994) condition and the vegetation consist of mainly mature Spearwood (Kunzea glabrescens) with no understorey (Shire of Serpentine-Jarrahdale, 2013).	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The vegetation condition and description was determined from supporting information provided by the applicant (Shire of Serpentine-Jarrahdale, 2013) and photographs taken from the site visit by Department of Environment and Conservation officers on the 1 February 2013 (DEC, 2013).

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.48 hectares of native vegetation for the purpose of constructing a dressage arena. The native vegetation under the application is in good (Keighery, 1994) condition (DEC, 2013) and consists of mainly mature Kunzea glabrescens with no understorey (Shire of Serpentine-Jarrahdale, 2013).

Numerous flora and ecological communities of conservation significance have been recorded in the local area (10km radius), however considering the habitat requirements of these species (Western Australian Herbarium, 1998-) and species composition of the vegetation under application, it is not likely to support these species and communities.

The application area contains several Banksia trees, which are the predominant food source for Carnaby's cockatoo (*Calyptorhynchus latirostris*), which is listed as rare or likely to become extinct under the *Wildlife Conservation Act, 1950* and endangered under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999*. A site visit conducted by the Department of Environment and Conservation on 1 February 2013 noted some chewed Banksia cones near the edge of the application area (DEC, 2013). Given the low number of Banksias occurring within the application area, the small area (0.48ha) proposed to be cleared is unlikely to represent significant habitat for this species, or other indigenous fauna. The application is not in an extensively cleared area the local area retaining approximately 40 percent native vegetation cover.

The proposed clearing area is within an area subject to *Environmental Protection Peel Inlet-Harvey Estuary Policy Approval Order 1992 (Peel Inlet-Harvey EPP Order 1992)* and is located 10m away from a multiple use wetland and a major drain. The proposed clearing area is composed of wetland dependent vegetation (Shire of Serpentine-Jarrahdale, 2011; Shire of Serpentine-Jarrahdale, 2013).

The proposed clearing may cause some short term water quality issues in terms of localised surface water sedimentation and water logging during clearing; however considering the small size (0.48 hectares) of the proposed clearing these impacts are likely to be minimal and manageable.

The Shire of Serpentine-Jarrahdale's management plan for the reserve indicates that the application area is within the area managed for the purpose of recreation. The application adjoins an area reserved by the Shire for the purpose of high conservation (Shire of Serpentine-Jarrahdale, 2011), hence, the clearing may indirectly impact the environmental values of this conservation area through the introduction or spread of weeds and dieback. Weed and dieback management will minimise this risk.

Considering the above, the proposed clearing is at variance to Principle (f), may be at variance to Principles (g), (h) and (i) and is not likely to be at variance to the remaining clearing principles.

Methodology

References

- DEC (2013)
- Keighery (1994)
- Shire of Serpentine-Jarrahdale (2011)
- Shire of Serpentine-Jarrahdale (2013)

GIS databases:

- Perth Metropolitan Central 15cm Orthomosaic - Landgate 2011
- Heddl Vegetation Complexes
- Pre-European vegetation
- SAC Bio datasets (Accessed 25 January 2013)
- Hydrography, linear
- DEC Managed Lands
- NWLRA, Extent of Native Vegetation
- Soils, Statewide
- Geomorphic Wetlands, Swan Coastal Plain
- EPP Lakes Policy Area
- Western Australian Herbarium (1998-)

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

Comments

The clearing of 0.48 hectares on Lot 427 is for the purpose of constructing a dressage arena.

Lot 427 is reserved to the Shire of Serpentine-Jarrahdale for the purpose of recreation and zoned rural. The Shire's management plan for the reserve identifies both Recreation and Conservation purposes and the application area is situated in the area designated for Recreation (Shire of Serpentine-Jarrahdale, 2011).

The Shire's management plan for the Reserve includes revegetation works within the Conservation zone with local vegetation communities and weed management (Shire of Serpentine-Jarrahdale, 2011).

The application falls within an area subject to the *Peel Inlet-Harvey EPP Order 1992*. The OEPA advised the Shire of Serpentine-Jarrahdale to consider the implementation of Statement of Planning Policy 2.1 (SPP 2.1) section 6.3 into their relevant planning schemes to be the most appropriate way to achieve and maintain the objectives of the *Peel Inlet-Harvey EPP Order 1992*. The Shire of Serpentine-Jarrahdale has been advised of the OEPA's advice to limit the medium load (mass) of total phosphorous flowing into the Estuary local planning.

No submissions from the public have been received.

Methodology

References

- EPA (2013)
- Shire of Serpentine-Jarrahdale (2011)

GIS databases:

- Town Planning Scheme Zones

4. References

- DEC (2013) Site Inspection Report for Clearing Permit Application CPS 5438/1, King Road, Oldbury. Site inspection undertaken 01/02/2013. Department of Environment and Conservation, Western Australia (DEC Ref. A605142).
- EPA (2013) Advice for CPS 5438/1 Clearing Application - 0.48 hectares - Lot 427 on Deposited Plan 202731, Oldbury. Peel-Harvey Catchment Council, Department of Environment and Conservation. DEC Ref. A597611.
- 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, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.
- Shire of Serpentine-Jarrahdale (2011) King Road Pony Club Reserve Management Plan. King Road, Oldbury, Perth, Western Australia. DEC Ref. A605339.
- Shire of Serpentine-Jarrahdale (2013) CPS 5438/1 Application form and supporting documents for clearing application. Lot 427 on deposited plan 202731 (Reserve 36950) King Road, Oldbury. DEC Ref. A587877.
- Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> (Accessed 28/02/2013).

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)