



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4828/1
File Number: 2011/006783-1
Duration of Permit: From 16 April 2012 to 16 April 2014

PERMIT HOLDER

City of Armadale

LAND ON WHICH CLEARING IS TO BE DONE

Nicholson Road reserve, PIN:11871385 (Piara Waters 6112)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.09 hectares of native vegetation within the area hatched yellow on attached Plan 4828/1.

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.

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;

weeds 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*

22 March 2012

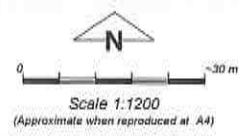
Plan 4828/1



LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Cadastre for labelling

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.

Date 22/3/12
Kelly 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.





1. Application details

1.1. Permit application details

Permit application No.: 4828/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Armadale

1.3. Property details

Property: ROAD RESERVE (PIARA WATERS 6112)
Local Government Area: City of Armadale
Colloquial name: Nicholson Road

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.093		Mechanical Removal	Water/gas/cable/pipeline/power installation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 22 March 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
Mapped Beard vegetation association 1001 is described as Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina. (Shepherd 2009)	The application is for the proposed clearing of 0.09 ha of native vegetation within Nicholson Road reserve, Piara Waters, City of Armadale. The purpose of clearing is for road widening and service installation.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was determined via digital imagery (Perth Metropolitan Central 15cm Orthomosaic - Landgate 2011) and a site inspection (DEC, 2012)
	The vegetation consists of predominately melaleuca sp. No middle story is present and the understory consists completely of weeds.		

3. Assessment of application against clearing principles

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

The application proposes to clear 0.09ha of native vegetation within Nicholson Road reserve, Piara Waters for the purpose of road widening and service installation.

Six species of fauna considered rare or likely to become extinct under the Wildlife Conservation Act 1950 have been recorded within the local area (10km radius) including; *Calyptorhynchus banksii* subsp. *naso* (Forest Red-tailed Black-Cockatoo), *Calyptorhynchus latirostris* (Carnaby's Cockatoo), *Dasyurus geoffroyi* (Chuditch), *Leioproctus douglasiellus* (bee), *Myrmecobius fasciatus* (Numbat), *Neopasiphe simplicior* (bee) and *Synemon gratioiosa* (Graceful Sun moth) (DEC 2007-). A site inspection by DEC (2012) identified no habitat trees were located within the application area. Given the small area under application and the degraded (Keighery 1994) condition of the vegetation it is unlikely the vegetation proposed to be cleared is necessary for the maintenance of significant habitat for fauna indigenous to Western Australia.

The area under application is mapped as Beard Vegetation Association 1001 (Shepherd, 2009). This vegetation association has approximately 25 per cent of it's pre-European extent remaining within the Swan Coastal Plain bioregion (Shepherd 2009). The local area (5km radius) has been highly cleared (approximately 25 per cent vegetation remaining). Given its degraded nature and that the vegetation is not representative of the mapped vegetation type the area under application is not considered to be a significant remnant in an area

which has been extensively cleared.

The application area is mapped with a Multiple Use Wetland and a Conservation Category Wetland is adjacent to west side of the application area. Given the application area is located within Nicholson Road reserve and is in a degraded (Keighery 1994) condition it is unlikely to have significant impact on the environmental values of the adjacent wetlands.

Piara Nature Reserve (Class C) and Bushforeve site 262 are located adjacent to the west side of Nicholson Road. Given the proposed clearing is located to the east side of Nicholson Road and is a small area in a degraded (Keighery 1994) condition it is unlikely the clearing as proposed will have an impact on the environmental values of the neavy conservation area.

The disturbance resulting from the proposed clearing will increase the risk of weeds and dieback spreading into the adjacent wetlands and reserves. Weed and dieback management practices will assist in mitigating this risk.

The assessment determined that the proposed clearing is not likely to significantly impact any biodiversity or environmental values; nor will it cause any appreciable land degradation within the local or regional context. Therefore, the proposed clearing may be at variance to (f) and is not likely to be at variance to any of the remaining clearing principles.

Methodology Reference:
-DEC (2007-)
-DEC (2012)
-Keighery (1994)
-Shepherd (2009)

GIS databases:
-DEC Tenure
-Pre-European vegetation
-Geomorphic Wetlands Swan Coastal Plain dataset
-SAC Biodatasets (Accessed March 2012).

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

Comments

The application is for the proposed clearing of 0.09 ha of native vegetation within Nicholson Road reserve, Piara Waters. The purpose of clearing is for road widening and service installation. The clearing of native vegetation is required as part of a project to install a dual carriageway and associated services along Nicholson Road.

Methodology

4. References

- DEC (2012) Site Inspection Report for Clearing Permit Application CPS 4828/1, Nicholson Road Reserve, Piara Waters. Site inspection undertaken 2 March 2012. Department of Environment and Conservation, Western Australia (DEC Ref:A485704)
- 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. (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.

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)