



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 7840/1
File Number: 2015/002564-1
Duration of Permit: 24 February 2018 to 24 February 2020

PERMIT HOLDER

City of Armadale

LAND ON WHICH CLEARING IS TO BE DONE

Lot 5000 on Deposited Plan 63040, Harrisdale

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.14 hectares of native vegetation within the area cross hatched yellow on attached Plan 7840/1.

CONDITIONS

1. Avoid, minimise and reduce the impacts and extent of 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. Records must be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit, in relation to the clearing of native vegetation authorised under this Permit:

- (a) the location where the clearing occurred, 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) the date that the area was cleared;
- (c) the size of the area cleared (in hectares); and
- (d) actions taken to avoid, minimise and reduce the impacts and extent of clearing in accordance with condition 1 of this Permit.

3. Reporting

The Permit Holder must provide to the CEO the records required under condition 2 of this Permit, when requested by the CEO or delegated officer.

A handwritten signature in black ink, appearing to read "Emma Bramwell", followed by a horizontal line.

Emma Bramwell
A/MANAGER
CLEARING REGULATION

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

23 January 2018

Plan 7840/1

32.117604°S

32.117604°S

115.93822°E

115.94525°E



115.93822°E

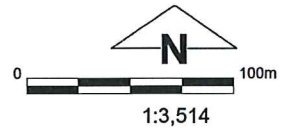
115.94525°E

32.121484°S

32.121484°S

Legend

-  Roads
-  Imagery
-  Clearing Instruments Activities
-  Local Government Authority
-  Cadastre



(Approximate when reproduced at A4)
GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

E Bramwell Date 23/01/18
E Bramwell

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986



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1. Application details

1.1. Permit application details

Permit application No.: 7840/1
Permit type: Area Permit

1.2. Applicant details

Applicant's name: City of Armadale

1.3. Property details

Property: Lot 5000 on Deposited Plan 63040, Harrisdale
Local Government Authority: City of Armadale
Localities: Harrisdale

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.14		Mechanical Removal	pedestrian pathway, bridge and viewing platform

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 23 January 2018
Reasons for Decision: The clearing permit application was received on 27 October 2017 and has been assessed against the clearing principles, planning instruments and other matters in accordance with section 51O of the *Environmental Protection Act 1986*, and it has been concluded that the proposed clearing is at variance to clearing principle (f) and is not likely to be at variance to any of the remaining clearing principles.

The Delegated Officer noted that the proposed clearing may impact on native vegetation growing in association with a wetland, however determined that the proposed clearing is unlikely to have any significant impacts to the environmental values of the wetland or riparian vegetation. The Delegated Officer determined that the proposed clearing is not likely to have any significant environmental impacts.

2. Site Information

Clearing Description: The application is to clear up to clear 0.14 hectares of native vegetation within Lot 5000 on Deposited Plan 63040, Harrisdale, for the purpose of constructing a pedestrian pathway, bridge and viewing platform.

Vegetation Description: The application area is mapped as Heddlé 'Southern River' vegetation complex, described as shrublands; mallee scrub, black marlock / shrublands; tallerack mallee-heath (Heddlé et al., 1980).
A site visit and additional information provided by the applicant indicates the vegetation within the application area consists of predominately *Kunzea galbrescens* with some *Melaleuca preissiana* and *Melaleuca raphiophylla* (City of Armadale, 2017).

Vegetation Condition: Good; Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 1994).
To
Completely Degraded; No longer intact, completely/almost completely without native species (Keighery, 1994).

A site visit and additional information provided by the applicant indicates that majority of the vegetation within the application area is in a degraded to completely degraded (Keighery, 1994) condition (City of Armadale, 2017). The area has been highly disturbed from development as indicated within Figure 1.

Soil and Landform Type: The application area is mapped within two land subsystems:

- Bassendean B3 Phase Subsystem (Map Unit 212Bs_B3), described as closed depressions and poorly defined stream channels with moderately deep, poor to very poorly drained bleached sands with and iron-organic pan, or clay subsoil. Surfaces are dark grey sand or sandy loam (mapped over approximately 30 per cent of the application area) ; and
- Bassendean B1 Phase Subsystem (Map Unit 212Bs_B3), described as extremely low to very low relief dunes, undulating sandplain and discrete sand rises with deep bleached grey sands sometimes with pale yellow B horizon or a weak iron-organic hardpan at depths generally greater than two metres (mapped over approximately 70 per cent of the application area).

Figure 1: Map of application area



3. Assessment of application against clearing principles

According to available databases, the application area is within the boundaries of a mapped 'multiple use' wetland. Noting this, the vegetation within the application area is growing in association with this wetland. Noting the linear shape of the application area, the extent of the proposed clearing, and that the surrounding area has been highly disturbed, the proposed clearing is not likely to have a significant impact on the environmental values of this watercourse.

Consideration has been given to impacts to biodiversity, significant fauna habitat, rare flora, threatened ecological communities, remnant vegetation values, wetlands and watercourses, land degradation, conservation areas, surface water quality, groundwater quality, and flooding. The assessment has found that the proposed clearing is at variance to Principle (f) and is not likely to be at variance to any of the remaining clearing principles.

GIS Datasets:

- Aboriginal Sites of Significance
- Department of Biodiversity Conservation and Attractions, Tenure
- Groundwater salinity
- Geomorphic Wetlands Swan Coastal Plain (Management)
- Hydrography, linear
- Remnant vegetation
- SAC bio datasets accessed January 2018
- Soils, Statewide
- Topographic contours

Planning instruments and other relevant matters.

The application area is wholly located within the footprint of Clearing Permit CPS 4527/1 (expired), which authorised the City of Armadale to clear up to 4.42 hectares of native vegetation for the purpose of road reconstruction and drain realignment. Assessment of that application found that the proposed clearing was not likely to be at variance to any of the clearing principles.

The clearing permit application was advertised online on the Department of Water and Environmental Regulation's website on 29 November 2017 for a 21 day public submission period. No submissions have been received.

4. References

- City of Armadale (2017) Supporting information supplied for clearing application CPS 7840/1 (DWER Ref: A1553587)
- Heddle, 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.
- Schoknecht, N., Tille, P. and Purdie, B. (2004) Soil-landscape mapping in South-Western Australia – Overview of Methodology and outputs' Resource Management Technical Report No. 280. Department of Agriculture.