



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 8848/2
File Number: DWERVT5543
Duration of Permit: From 28 August 2020 to 28 August 2028

PERMIT HOLDER

City of Armadale

LAND ON WHICH CLEARING IS TO BE DONE

Skeet Road reserve (PINs 11869113, 12334398, 12334404, and 12334401), Harrisdale and Forestdale.

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.71 hectares of native vegetation within the area cross-hatched yellow on attached Plan 8848/2 (a).

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. 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) ensure that no known *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared;
- (c) restrict the movement of machines and other vehicles to the limits of the areas to be cleared; and
- (d) where *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is to be removed from the area to be cleared, ensure it is transferred to areas of comparable *soil disease status*.

3. Fencing

The Permit Holder must:

- (a) Prior to the commencement of clearing authorised under this Permit, install a temporary fence excluding Bush Forever Site 342 from the clearing area, within the area cross-hatched red on attached Plan 8848/2(b). Temporary fencing installed shall meet the requirements of Australian Standard AS 4970-2009 Protection of Trees on Development Sites.
- (b) Within 12 months of the commencement of clearing authorised under this Permit, construct a permanent steel cable fence excluding Bush Forever Site 342 from the clearing area, within the area cross-hatched red on attached Plan 8848/2(b).

4. Revegetation (Road batters)

Within 24 months of the commencement of clearing authorised under this Permit, the Permit Holder shall implement and adhere to the City of Armadale document: 'Revegetation Plan. Skeet Road Upgrade. Skeet Road, Harrisdale (Ranford to Reilly Road). V1 24th July 2020', including but not limited to the following actions:

- (a) at an *optimal time* within 24 months following completion of clearing commence *revegetation* of the areas cross-hatched red on Plan 8848/2(c) by deliberately *planting* and/or *direct seeding* native vegetation that will result in a similar species composition, structure and density to vegetation types occurring in the adjacent area, and ensuring only *local provenance(1)* seeds and propagating material are used;
- (b) implement hygiene protocols by cleaning earth-moving machinery of soil and vegetation prior to entering and leaving the *revegetation* sites;
- (c) establish at least two 5 x 5 metre quadrat monitoring sites within the *revegetated* area cross-hatched red on Plan 8848/2(c);
- (d) monitor quadrats specified in condition 4(c) at least annually;
- (e) monitoring of quadrats specified in condition 4(d) is to be undertaken by an *environmental specialist*;
- (f) undertake *weed* control activities on an 'as needs' basis to maintain a minimum criteria in the attached Schedule 1 (completion criteria 1);
- (g) undertake remedial actions for areas *revegetated* where monitoring indicates that *revegetation* of the areas cross-hatched red on Plan 8848/2(c) has not met the completion criteria outlined in the attached Schedule 1 (completion criteria 1), including:
 - (i) *revegetate* the area by deliberately *planting* and/or *direct seeding* native vegetation seeds that will result in the minimum targets specified in the attached Schedule 1 (completion criteria 1) ensuring only *local provenance(1)* seeds and propagating material are used;
 - (ii) undertake further *weed* control activities;
 - (iii) undertake watering activities; and
 - (iv) undertake annual monitoring of each *revegetated* site, until the completion criteria outlined in the attached Schedule 1 (completion criteria 1) are met.

5. Revegetation (Swales)

Within 24 months of the commencement of clearing authorised under this Permit the Permit Holder shall implement and adhere to the City of Armadale document: 'Revegetation Plan. Skeet Road Upgrade. Skeet Road, Harrisdale (Ranford to Reilly Road). V1 24th July 2020', including but not limited to the following actions:

- (a) at an *optimal time* within 24 months following completion of clearing commence *revegetation* of the areas cross-hatched red on Plan 8848/2(d) by deliberately *planting* and/or *direct seeding* native vegetation that will result in a similar species composition, structure and density to vegetation types occurring in the adjacent area, and ensuring only *local provenance(2)* seeds and propagating material are used;
- (b) implement hygiene protocols by cleaning earth-moving machinery of soil and vegetation prior to entering and leaving the *revegetation* sites;
- (c) establish at least two 5 x 5 metre quadrat monitoring sites within the *revegetated* area cross-hatched red on Plan 8848/2(d);
- (d) monitor quadrats specified in condition 5(c) at least annually;
- (e) monitoring of quadrats specified in condition 5(d) is to be undertaken by an *environmental specialist*;
- (f) undertake *weed* control activities on an 'as needs' basis to maintain a minimum criteria in the attached Schedule 2 (completion criteria 2);
- (g) undertake remedial actions for areas *revegetated* where monitoring indicates that *revegetation* of the areas cross-hatched red on Plan 8848/2(d) has not met the completion criteria outlined in the attached Schedule 2 (completion criteria 2), including:
 - (i) *revegetate* the area by deliberately *planting* and/or *direct seeding* native vegetation seeds that will result in the minimum targets specified in the attached Schedule 2 (completion criteria 2) ensuring only *local provenance(2)* seeds and propagating material are used;

- (ii) undertake further *weed* control activities;
- (iii) undertake watering activities; and
- (iv) undertake annual monitoring of each *revegetated* site, until the completion criteria outline in the attached Schedule 2 (completion criteria 2) are met.

6. Duration of clearing

This Permit does not authorise the Permit Holder to clear native vegetation after 28 August 2022.

7. 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);
- (d) actions taken to avoid, minimise and reduce the impacts and extent of clearing in accordance with condition 1 of this Permit;
- (e) actions taken to minimise the risk of the introduction and spread of *dieback* and *weeds* in accordance with condition 2 of this Permit;
- (f) actions taken to fence the extent of clearing in accordance with condition 3 of this Permit; and
- (g) in relation to the *revegetation* of areas pursuant to conditions 4 and 5 of this Permit:
 - (i) the size of the areas *revegetated*;
 - (ii) the date(s) on which the areas *revegetated* were undertaken;
 - (iii) the *revegetation* activities undertaken;
 - (iv) the date(s) where additional *planting* or *direct seeding* of native vegetation was undertaken; and;
 - (v) the boundaries of the areas *revegetated* (recorded digitally as a shapefile).

8. Reporting

- (a) The Permit Holder must provide to the *CEO* on or before 30 June of each year, a written report containing:
 - (i) the records required under condition 7 of this Permit; and
 - (ii) records of activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding calendar year.
- (b) If no clearing authorised under this Permit has been undertaken, a written report confirming that no clearing under this Permit has been carried out, must be provided to the *CEO* on or before 31 December of each calendar year.
- (c) The Permit Holder must provide to the *CEO* no later than 90 calendar days prior to the expiry date of this Permit, a written report of records required under condition 7, where these records have not already been provided under condition 8(a).

DEFINITIONS

The following meanings are given to terms used in this Permit:

CEO: means the Chief Executive Officer of the Department responsible for the administration of the clearing provisions under the *Environmental Protection Act 1986*;

dieback means the effect of *Phytophthora* species on native vegetation;

direct seeding means a method of re-establishing vegetation through establishment of a seed bed and the introduction of seeds of the desired plant species;

environmental specialist means a person who holds a tertiary qualification in environmental science or equivalent, and has experience relevant to the type of environmental advice that an environmental specialist is required to provide under this Permit;

fill means material used to increase the ground level, or fill a hollow;

local provenance(1) means native vegetation seeds and propagating material from natural sources within 25 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the area cleared;

local provenance(2) means native vegetation seeds and propagating material from natural sources within 75 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the area cleared;

optimal time means the period from July to September;

planting means the re-establishment of vegetation by creating soil conditions and planting seedlings of the desired species;

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;

revegetation, revegetate, revegetated means the re-establishment of a cover of native vegetation in an area such that the species composition, structure and density is similar to pre-clearing vegetation types in that area, and can involve regeneration, direct seeding and/or planting;

weed/s means any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*;
or
- (b) published in a Department of Biodiversity, Conservation and Attractions Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.



Meenu Vitarana
A/MANAGER
NATIVE VEGETATION REGULATION

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

Schedule 1: Revegetation completion criteria 1

Aspect	Measure	Completion Criteria	Monitoring frequency
A. Species density	i. Trees	Greater than 0.1 stems per sq/m	Annual
	ii. Shrubs	Greater than 1.5 stems per sq/m	
	iii. Rushes / Sedges	Greater than 4 stems per sq/m	
B. Species richness	i. Trees	Greater than 60% of species planted or direct seeded	Annual
	ii. Shrubs	Greater than 60% of species planted or direct seeded	
	iii. Rushes / Sedges	Greater than 60% of species planted or direct seeded	
C. Weed cover	i. General weed species	Less than 15% cover	Annual
	ii. Declared weeds	0% cover	
D. Vegetation structure	i. NVIS framework	Final vegetation structure trending towards that observed within adjacent areas of Bush Forever Site 342	Annual

Schedule 2: Revegetation completion criteria 2


Characteristic	Measure	Completion Criteria	Monitoring frequency
A. Species density	i. Shrubs	Greater than 1.5 stems per sq/m	Annual
	ii. Rushes / Sedges	Greater than 4 stems per sq/m	
B. Species richness	i. Shrubs	Greater than 60% of species planted or direct seeded	Annual
	ii. Rushes / Sedges	Greater than 60% of species planted or direct seeded	
C. Weed cover	i. General weed species	Less than 15% cover	Annual
	ii. Declared weeds	0% cover	

Plan 8848/2a




Legend

CPS layers

 CPS areas approved to clear

base layers

 Road Centrelines

 Cadastre - LGATE 218

0 50 100 150 200 m



Officer delegated under section 20 of
the Environmental Protection Act 1986




GOVERNMENT OF
WESTERN AUSTRALIA

Plan 8848/2b



Legend

CPS layers

 CPS subject to conditions

base layers

Cadastre - LGATE 218

0 50 100 150 200 m



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the Environmental Protection Act 1986



GOVERNMENT OF
WESTERN AUSTRALIA

Plan 8848/2c

115°56'43.800"E


115°56'49.200"E

115°56'54.600"E




Legend

CPS layers

 CPS subject to conditions

Legend

 Land TenureLGate - 226

 Local Government Authorities

Image

N



0 25 50 m



Officer delegated under section 20 of
the Environmental Protection Act 1986



GOVERNMENT OF
WESTERN AUSTRALIA

Plan 8848/2d

115°56'38.400"E


115°56'45.600"E

115°56'52.800"E

115°57'0.000"E



Legend

 CPS subject to conditions

base layers

Cadastre - LGATE 218

0 50 100 150 200 m



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GOVERNMENT OF
WESTERN AUSTRALIA