



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 8840/2
Permit Holder:	City of Cockburn
Duration of Permit:	17 July 2020 to 17 July 2032

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

PART I – CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing is for the purpose of road upgrades and widening of Hammond Road, Success.

2. Land on which clearing is to be done

Lot 812 on Deposited Plan 221241, Success

Lot 8004 on Deposited Plan 409666, Success

Lot 7 on Diagram 29141, Success

Lot 6 on Diagram 29141, Success

Lot 50 on Diagram 62370, Success

Lot 500 on Deposited Plan 66535, Success

Lot 41 on Diagram 31725, Success

Lot 23 on Diagram 31084, Success

Lot 14 on Plan 7633, Success

Un-named Road Reserve – (PINs 11858580, 11122649, 1381640 and 12277624), Success

Hammond Road Reserve – (PINs 11871415, 11919439 and 11871414), Success

3. Area of Clearing

The Permit Holder must not clear more than 0.414 hectares of native vegetation within the area cross-hatched yellow on attached Plan 8840/2a and Plan 8840/2b.

4. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

5. Period during which clearing is authorised

The Permit Holder must not clear any native vegetation after 17 July 2025.

6. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for activities described in Condition 1 of this Permit to the extent that the Permit Holder has the power to carry out the works involving clearing for those activities under the *Local Government Act 1995* or any other written law.

PART II – MANAGEMENT CONDITIONS

7. 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.

8. 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; and
- (c) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

9. Vegetation management

- (a) Where practicable the Permit Holder shall avoid clearing riparian vegetation.
- (b) Where a watercourse or wetland is to be impacted by clearing, the Permit Holder shall maintain the existing surface flow by use of culverts.

10. Revegetation and rehabilitation

The Permit Holder must within 32 months of undertaking clearing authorised under this Permit:

- (a) undertake deliberate *planting* of at least 42 trees or shrubs known to provide a foraging resource for black cockatoos including *Banksia attenuata* and/or *Banksia mensiesii* in the area cross-hatched red on attached Plan 8840/2c;
- (b) ensure only *local provenance* propagating or seeding material is used;
- (c) ensure *planting* is undertaken at the *optimal time*;
- (d) undertake *weed* control and watering of *plantings* for at least three years post *planting*;
- (e) the Permit Holder must within 24 months of *planting* in accordance with condition 10(a) of this Permit:
 - (i) Engage an *environmental specialist* to make a determination that the planted vegetation will survive.
 - (ii) If the determination made by the *environmental specialist* under condition 10(e)(i) that replanted vegetation will not survive, the Permit Holder must plant additional *local provenance* propagating material of species known to provide a foraging resource for black cockatoos within area cross hatched red on attached Plan 8840/2c.
- (f) where additional *planting* is undertaken in accordance with condition 10(e), the Permit Holder must repeat the activities required by condition 10(c), 10(d) and 10(e) of this Permit.

PART III – RECORD KEEPING AND REPORTING

11. Record keeping

The Permit Holder must maintain the following records 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(s) 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 7 of this Permit;
- (e) actions taken to minimise the risk of the introduction and spread of *weeds* and *dieback* in accordance with Condition 8 of this Permit;
- (f) vegetation management actions in accordance with Condition 9 of this Permit; and
- (g) rehabilitation activities undertaken in accordance with condition 10 of this Permit.

12. Reporting

- (a) The Permit Holder must provide to the *CEO*, on or before 31 December of each calendar year, a report containing:
 - (i) The records required to be kept under condition 11; and
 - (ii) Records of activities done by the Permit Holder under this Permit between 1 July of the preceding calendar year and 30 June of the current 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 undertaken, 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 expiry date of the Permit, a written report of records required under condition 11, where these records have not already been provided under condition 12(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;

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, or who is approved by the *CEO* as a suitable environmental specialist;

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;

local provenance means native vegetation seeds and propagating material from natural sources within 10 and 50 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the area cleared;

optimal time means the period from May to June for undertaking *planting*;

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

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 species-led ecological impact and invasiveness ranking 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*

26 February 2021

Plan 8840/2 (a)

115°50'36.600"E

115°50'42.000"E

115°50'47.400"E

32°8'4.200"S

32°8'4.200"S

32°8'9.600"S

32°8'9.600"S

32°8'15.000"S

32°8'15.000"S

32°8'20.400"S

32°8'20.400"S






115°50'36.600"E

115°50'42.000"E

115°50'47.400"E

Legend

-  CPS areas approved to clear
-  Land Tenure
-  Local Government Authorities

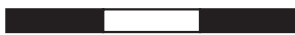
Road Centrelines

 Local Road

Image



0 40 80 120 m



1:2000

MGA Zone 50
Geocentric Datum of Australia 1994

Meenu Vitarana
2021.02.26
13:52:27
+08'00'

Officer delegated under section 20 of the
Environmental Protection Act 1986



Plan 8840/2 (b)

115°50'39.840"E

115°50'46.320"E

115°50'52.800"E

32°8'33.360"S

32°8'39.840"S

32°8'46.320"S

32°8'33.360"S

32°8'39.840"S

32°8'46.320"S







115°50'39.840"E

115°50'46.320"E

115°50'52.800"E

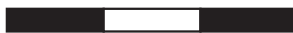
Legend

-  CPS areas approved to clear
-  Land Tenure
-  Local Government Authorities
- Road Centrelines
-  Local Road

Image



0 40 80 120 m



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MGA Zone 50
Geocentric Datum of Australia 1994

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Officer delegated under section 20 of the
Environmental Protection Act 1986



GOVERNMENT OF
WESTERN AUSTRALIA

Plan 8840/2 (c)

115°50'44.160"E

115°50'48.480"E

115°50'52.800"E

32°8'44.160"S

32°8'48.480"S

32°8'52.800"S

32°8'44.160"S

32°8'48.480"S

32°8'52.800"S






115°50'44.160"E

115°50'48.480"E

115°50'52.800"E

Legend

-  CPS subject to conditions
-  Land Tenure
-  Local Government Authorities

Road Centrelines

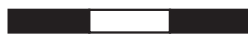
 Local Road

Image



Meenu Vitarana
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Officer delegated under section 20 of the
Environmental Protection Act 1986



**GOVERNMENT OF
WESTERN AUSTRALIA**

MGA Zone 50
Geocentric Datum of Australia 1994



1. Application details

Permit application details

Permit application No.: 8840/2
Permit type: Purpose Permit

Applicant details

Applicant's name: City of Cockburn
Application received date: 11 November 2020

Property details

Property:
Lot 812 on Deposited Plan 221241, Success
Lot 8004 on Deposited Plan 409666, Success
Lot 7 on Diagram 29141, Success
Lot 6 on Diagram 29141, Success
Lot 50 on Diagram 62370, Success
Lot 500 on Deposited Plan 66535, Success
Lot 41 on Diagram 31725, Success
Lot 23 on Diagram 31084, Success
Lot 14 on Plan 7633, Success
Un-named Road Reserve – (PINs 11858580, 11122649, 1381640 and 12277624), Success
Hammond Road Reserve – (PINs 11871415, 11919439 and 11871414), Success
Local Government Authority: City of Cockburn
Localities: Success

Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.414	N/A	Mechanical Removal	Road construction and upgrades

Decision on application

Decision on Permit Application: Granted

Decision Date: 26 February 2021

Reasons for Decision:

The clearing permit application has been assessed against the clearing principles, planning instruments, and other matters in accordance with section 51O of the *Environmental Protection Act 1986* (EP Act). In making this decision, the Delegated Officer had regard for the site characteristics, relevant datasets, the clearing principles set out in Schedule 5 of the EP Act, relevant planning instruments and any other matters considered relevant to the assessment.

The Delegated Officer also considered that the proposed amendments relate only to extending the revegetation and rehabilitation timeframes required under condition 10, and subsequently an extension to the permit duration. It is noted that no modifications to the clearing footprint or approved clearing area have been proposed.

In considering the above, the Delegated Officer concluded that the assessment has not changed since the assessment for CPS 8840/1.

2. Site Information

Clearing Description

The amendment is to extend revegetation and rehabilitation duration under Condition 10 of CPS 8840/1 from 12 to 32 months, and subsequently extend the permit duration by two years. CPS 8840/1 allowed for the clearing of 0.414 hectares of native vegetation to facilitate the duplication of approximately 1.3 kilometres of Hammond Road in the vicinity of Hird Road to Bartram Road, Success, for the Hammond Road Duplication Project. The entire clearing footprint sought under CPS 8840/2 is unchanged and remains 0.414 hectares of native vegetation (Figure 2).

Vegetation Description

The vegetation within the application area is mapped as the following:

- The application area has been mapped as the Bassendean Complex-Central and South Swan Coastal Plain vegetation complex. This complex ranges from woodland of *Eucalyptus marginata* (Jarrah) - *Allocasuarina fraseriana* (Sheoak) - Banksia species to low woodland of Melaleuca species, and sedgelands on the moister sites. This area includes the transition of *Eucalyptus marginata* (Jarrah) to *Eucalyptus todtiana* (Pricklybark) in the vicinity of Perth (Hedde et al. 1980).
- A site inspection of the application area by Department of Water and Environmental Regulation (DWER) officers identified the vegetation within the application area to be predominantly parkland cleared and consists of native tree species intermixed with exotic trees and shrubs. Native tree species present include *Eucalyptus rudis* (Flooded Gum), *Corymbia calophylla* (Marri), *Allocasuarina fraseriana* (sheoak) and *Eucalyptus gomphocephala* (Tuart). Smaller areas of Banksia Woodland occur, and a sumpland (an area of inundation) bisects the application in the northern section (DWER 2020).

Vegetation Condition

Vegetation across most of the application area is predominantly parkland cleared, and therefore Completely Degraded or Degraded (66 per cent of the application area; Figure 1), based on the condition scale of Keighery (1994). At the northern section, the proposed road upgrade crosses an area of inundation with vegetation in Good condition. In the southern section isolated stands of Banksia Woodland occur with vegetation in Degraded to Good Condition (Keighery 1994).

Soil and Landform Type

The application area consists of Bassendean Sands. Three soil units have been mapped over the application area, including Bassendean Phase 1, Phase 2, and Phase 3, described as:

- Phase 1. 212Bs_B1: Extremely low to very low relief dunes, undulating sandplain and discrete sand rises with deep bleached grey sands sometimes with a pale yellow B horizon or a weak iron-organic hardpan at depths generally greater than two metres.
- Phase 2. 212Bs_B2: Flat to very gently undulating sandplain with well to moderately well drained deep bleached grey sands with a pale yellow B horizon or a weak iron-organic hardpan one to two metres.
- Phase 3. 212Bs_B3: Closed depressions and poorly defined stream channels with moderately deep, poorly to very poorly drained bleached sands with an iron-organic pan, or clay subsoil. Surfaces are dark grey sand or sandy loam.

Local area

The local area referred to in the assessment of this application is defined as a 10 kilometre radius measured from the perimeter of the application area. The application area is located within the Swan Coastal Plain (SWA02) bioregion as described by Thackway and Cresswell (1995).



Figure 1: Representative photographs of the application area (City of Cockburn 2020a; DWER 2020)

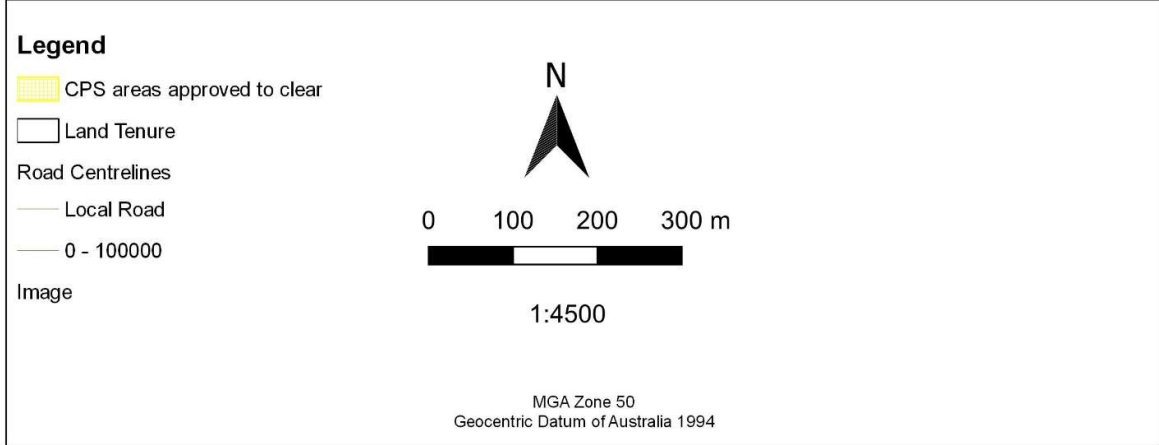


Figure 2: The area crosshatched yellow indicates the area authorised to be cleared under the granted clearing permit.

3. Assessment of application against clearing principles and planning instruments and other matters

A review of current environmental information reveals that the assessment against the clearing principles has not changed significantly from Clearing Permit Decision Report CPS 8840/1.

Given the above, the Delegated Officer considered that the extent to which the impacts of the proposed clearing present a risk to biological, conservation, or land and water resource values, also remains unchanged from the original assessment and can be found in Clearing Permit Decision Report CPS 8840/1.

Planning instruments and other matters

The assessment against planning instruments and other relevant matters is unchanged and can be found in Clearing Permit Decision Report CPS 8840/1.

The amendment application was advertised on DWER's website on 11 November 2020, inviting submissions from the public within a 14 day period. No submissions were received in relation to this application.

4. References

- Department of Water and Environment Regulation (DWER) (2020) *Site Inspection Report for Clearing Permit Application CPS 8840/1*. Site inspection undertaken 02 June 2020. Department of Water and Environment Regulation, Western Australia (DWER Ref: A1900474).
- 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.
- Thackway, R and Cresswell, I.D. (eds) (1995) *An interim biogeographical regionalisation of Australia*. Australian Nature Conservation Agency (now Department of Agriculture, Water and the Environment), Canberra.

5. GIS Datasets

- Aboriginal Sites of Significance
- Clearing Regulations - Environmentally Sensitive Areas
- Carnaby's cockatoo: breeding, roosting, feeding
- Department of Biodiversity Conservation and Attractions, Tenure
- Geomorphic Wetlands, Swan Coastal Plain
- Groundwater salinity, statewide
- South west forest vegetation complexes
- Hydrology, linear
- IBRA Australia
- Land for Wildlife
- PDWSA, CAWSA, RIWI Act Areas
- Remnant vegetation
- SAC Biodatasets (accessed January 2020)
- Soils, statewide
- South coast significant wetlands
- Town Planning Scheme Zones