



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6100/2
Permit Holder:	Shire of Murray
Duration of Permit:	16 April 2016 – 16 April 2026

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 for the purpose of road construction.

2. Land on which clearing is to be done

Lot 4857 on Plan 2087, Barragup

3. Area of Clearing

The Permit Holder must not clear more than 1.31 hectares of native vegetation within the area hatched yellow on attached Plan 6100/2.

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. Type of clearing authorised

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

PART II – MANAGEMENT CONDITIONS

6. Avoid, minimise and reduce the extent and impact 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

- avoid the clearing of native vegetation;
- minimise the amount of native vegetation to be cleared; and
- reduce the impact of clearing on any environmental value.

7. 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*:

- clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- ensure that no *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.

8. Flora management

- (a) Prior to undertaking any clearing authorised under this Permit, the Permit Holder shall engage a *botanist* to conduct a *targeted flora survey* of the Permit Area for the presence of rare flora listed in the *Wildlife Conservation (Rare Flora) Notice* and *priority flora*.
- (b) Where rare flora or *priority flora* are identified in relation to condition 8(a) of this Permit, the Permit Holder shall engage a *botanist* to map the *critical habitat* of the identified rare or priority flora within the Permit Area.
- (c) Prior to undertaking any clearing authorised under this Permit, the Permit Holder shall provide the results of the *targeted flora survey* in a report to the *CEO*.
- (d) If rare or *priority flora* are identified within the Permit Area, the *targeted flora survey* report must include the following:
 - (i) the location of each rare or *priority flora*, either as the location of individual plants, or where this is not practical, the areal extent of the population and an estimate of the number of plants, 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;
 - (ii) the species name of each rare or *priority flora*, identified;
 - (iii) the methodology, used to survey the Permit Area and to establish the *critical habitat* of flora;
 - (iv) the extent of the *critical habitat* of the identified rare or *priority flora* shown on a map; and
 - (v) a site description of the *critical habitat* of rare or *priority flora* found.
- (e) Where rare or *priority flora* are identified under condition 8(a) of this Permit, the Permit Holder shall ensure that no clearing of *critical habitat* of the identified rare or *priority flora* occurs, unless first approved by the *CEO*.

9. Surface Water management

Prior to undertaking any clearing authorised under this Permit, the Permit Holder shall:

- (a) prepare a Surface Water Management Plan in order to account for the water quality deterioration risk of clearing and the end land use;
- (b) submit the Surface Water Management Plan to the *CEO*; and
- (c) implement and adhere to the Surface Water Management Plan submitted under condition 7(b) of this permit.

10. 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 6 of this Permit;
- (e) actions taken to minimise the risk of the introduction and spread of *weeds* and *dieback* in accordance with condition 7 of this Permit; and
- (f) details or requirements listed in accordance with conditions 8 and 9 of this Permit.

11. Reporting

The Permit Holder must provide to the *CEO* the records required under condition 10 of this Permit, when requested by the *CEO*.

DEFINITIONS

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

botanist means a person who holds a tertiary qualification in environmental science or equivalent, and has a minimum of 2 years work experience in identification and surveys of flora native to the bioregion being inspected or surveyed;

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

critical habitat means any part of the Permit Area comprising of the habitat of flora or fauna species and its population, that is critical for the health and long term survival of the flora or fauna species and its population;

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

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;

priority flora means those plant taxa described as priority flora classes 1, 2, 3 or 4 in the *Department of Biodiversity Parks and Attractions Threatened and Priority Flora List for Western Australia* (as amended);

targeted flora survey means a field-based investigation, including a review of established literature, of the biodiversity of flora and vegetation of the Permit Area, focusing on habitat suitable for flora species that are being targeted and carried out during the optimal time to identify those species. Where target flora are identified in the Permit Area, the survey should also include sufficient surrounding areas to place the Permit Area into local context;

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.

Wildlife Conservation (Rare Flora) Notice means those plant taxa gazetted as rare flora pursuant to section 23F(2) of the *Wildlife Conservation Act 1950* (as amended).



Mathew Gannaway
MANAGER
NATIVE VEGETATION REGULATION

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

31 July 2019

CPS 6100/2 Plan



Legend

- CPS areas approved to clear
- Land Tenure (LGATE_226) - SLIP
- Local Government Authorities
- LGA
- MURRAY, SHIRE OF
- Roads - State Roads

0.3 0.17 0.3 Kilometers



WGS_1984_Web_Mercator_Auxiliary_Sphere

Mathew
Gannaway
2019.07.31
12:21:46
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Officer Date

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

Disclaimer: This map is used as a generic static output for reference purposes. Information on this map may or may not be accurate, current, or otherwise reliable. While the Department of Water and Environmental Regulation, has made all reasonable efforts to ensure the accuracy of this data, the department accepts no responsibility for any inaccuracies and persons relying on this data do so at their own risk.

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Locality Map



Government of Western Australia
Department of Water and Environmental Regulation



1. Application details

1.1. Permit application details

Permit application No.: CPS 6100/2
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: Shire of Murray
Application received date: 25 June 2019

1.3. Property details

Property: Lot 4857 on Plan 2087
Local Government Authority: Shire of Murray
Localities: Barragup

Application	Clearing Area (ha)	No. Trees	Method of Clearing	Purpose category:
	1.15		Mechanical Removal	Road construction/upgrades

1.4. Decision on application

Decision on Permit Application: Grant
Decision Date: 31 July 2019

Reasons for Decision: The clearing permit application was received on 25 June 2019 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 findings from the previous assessment CPS 6100/1 are still relevant.

2. Site Information

Clearing Description	The amendment application is to extend the duration of the permit CPS 6100/1 until 16 April 2026.
Vegetation Description	The vegetation within the application area is mapped within the Bassendean vegetation complex, which is described as vegetation ranging from woodland of <i>Eucalyptus marginata</i> (Jarrah) - <i>Allocasuarina fraseriana</i> (Sheoak) - <i>Banksia</i> species to low woodland of <i>Melaleuca</i> species, and sedgelands on the moister sites. (Heddl et al., 1980).
Vegetation Condition	<p>The vegetation within the application area is considered to be in good (Keighery, 1994) to completely degraded (Keighery, 1994) condition, described as:</p> <ul style="list-style-type: none">• 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).
Soil Description	<p>The application area occurs within the following two mapped soil types:</p> <ul style="list-style-type: none">• Bassendean B5 Phase- Shallowly incised stream channels of minor creeks and rivers with deep grey siliceous sands or bleached sands, underlain at depths generally greater than 1.5 m by clay or less frequently a strong iron-organic hardpan (Schoknecht et al., 2004).• Bassendean B2 Phase- 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 1-2 m (Schoknecht et al., 2004).
Comments	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.



Figure 1. Application Area (hatched blue)

3. Minimisation and mitigation

The Shire of Murray noted that the design of the road has been undertaken to have minimal impact on trees (Shire of Murray, 2019).

4. Assessment of application against clearing principles

The applicant has applied to amend clearing permit CPS 6100/1, requesting to extend the duration of the permit until 2026.

A review of current environmental information reveals no other additional information. Therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 6100/1 (Department of Environment Regulation, 2016)

Planning instruments and other relevant matters.

The assessment against Planning and Other Matters has not changed and can be found in Decision Report CPS 6100/1.

The clearing permit application was advertised on the Department of Water and Environmental Regulation's website on 16 July 2019, inviting submissions from the public within a 14 day period. No submissions were received in relation to this application.

5. References

- Department of Environment Regulation (2016) Permit and Decision CPS 6100/1. DWER ref: A1068321
- 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
- 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.
- Shire of Murray (2019) Clearing Permit Application to Amend CPS 6100/2. DWER Reference: A1800109

GIS Databases:

- Aboriginal Sites of Significance
- DAFWA Heritage
- DBCA Estate
- DEC Covenant
- Groundwater salinity
- Hydrography, linear
- National Trust WA Covenant
- Remnant vegetation
- SAC bio datasets (accessed July 2019)
- Soils, Statewide
- Topographic contours
- Wetlands