



## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

<b>Purpose Permit number:</b>	CPS 7499/2
<b>Permit Holder:</b>	Commission of Main Roads Western Australia
<b>Duration of Permit:</b>	21 April 2018 to 21 April 2023

### ADVICE NOTE

The funds referred to in condition 11 of this permit are intended for contributing towards the purchase of 120 hectares of native vegetation with similar environmental values containing habitat for Carnaby's cockatoo (*Calyptorhynchus latirostris*), Baudin's cockatoo (*Calyptorhynchus baudinii*) and forest red-tailed black cockatoo (*Calyptorhynchus baudinii*).

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 realignment.

#### 2. Land on which clearing is to be done

Lot 4380 on Plan 156581, Bowelling  
Lot 2840 on Plan 169981, Bowelling  
Lot 23 on Plan 156346, Bowelling  
Lot 24 on Plan 156346, Bowelling  
Lot 1641 on Plan 233009, Bowelling  
Unallocated Crown land (PIN: 542579), Bowelling  
Unallocated Crown land (PIN: 542585), Bowelling  
Unallocated Crown land (PIN: 542602), Bowelling  
Unallocated Crown land (PIN: 542604), Bowelling  
Unallocated Crown land (PIN: 542606), Bowelling  
Unallocated Crown land (PIN: 11404372), Bowelling  
Reserve 22437, Bowelling  
State Forest 24, Bowelling  
Railway reserve (PIN: 510157), Bowelling  
Bowelling-Duranilling Road reserve (PINs: 11462890 and 11518535), Bowelling  
Hill Road reserve (PIN: 11462883), Bowelling  
Un-Named road reserve (PIN: 11503901), Bowelling  
Coalfields Road reserve (PINs: 11503911, 11462885 and 11462887), Bowelling

#### 3. Area of Clearing

The Permit Holder must not clear more than 17.06 hectares of native vegetation within the area hatched yellow on attached Plan 7499/2a.

#### **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 project 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 project activities under the *Main Roads Act 1930* or any other written law.

### **PART II –MANAGEMENT CONDITIONS**

#### **6. 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.

#### **7. 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:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no 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. Dieback 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 dieback:

- (a) clean vehicles, machines and equipment of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no known dieback-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) soil disturbance is to be carried out under dry soil conditions where possible.

#### **9. Fauna management**

(a) Prior to undertaking any clearing of *habitat trees*, containing hollows suitable to be utilised for nesting by Carnaby's cockatoo (*Calyptorhynchus latirostris*), Baudin's cockatoo (*Calyptorhynchus baudinii*) and forest red-tailed black cockatoo (*Calyptorhynchus banksii subsp. naso*) (black cockatoos), as identified within the Ecoedge's Level 1 Fauna Survey along Collie-Lake King Road at Bowelling (SLK 64.5 – 71.0), a *fauna specialist* shall inspect such trees for the presence of black cockatoos utilising the hollow/s.

(b) Where black cockatoos are identified under condition 9(a) of this Permit, the Permit Holder shall ensure that no clearing of, or within 10 metres of, the identified *habitat tree(s)* occurs until a *fauna specialist* has verified that the hollow/s are no longer being utilised by black cockatoos.

#### **10. Vegetation management**

The Permit Holder must implement the following management measure to mitigate impacts to the Claypans of the Swan Coastal Plain threatened ecological community (TEC):

- (a) Install parallel drains for scour protection;
- (b) Install a gross pollutant trap, incorporating rock protection, at the inflow point of the culvert that drains into the TEC; and
- (c) Replicate existing drainage pathways.

**11. Monetary contributions to a fund maintained for the purpose of establishing or maintaining vegetation (offset)**

Prior to undertaking any clearing authorised under this Permit and no later than 22 April 2019, the Permit Holder shall provide documentary evidence to the CEO that funding of \$198,000 has been transferred to the Department of Water and Environmental Regulation for the purpose of establishing or maintaining native vegetation.

**12. Revegetation and rehabilitation**

The Permit Holder shall establish and maintain:

- (a) 7.18 hectares of native vegetation within the area hatched red on attached Plan 7499/2b, being Lot 8 on Plan 16210, Bowelling (Trigwell Bridge); and
- (b) 9.88 hectares of native vegetation within the area hatched red on attached Plan 7499/2c, being Lot 4051 on Plan 144606, Bowelling (South Block).

**PART III - RECORD KEEPING AND REPORTING**

**13. Records must be kept**

The Permit Holder must maintain the following records for activities done in pursuant to this Permit:

- (a) In relation to the clearing of native vegetation authorised under this Permit:
  - (i) 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;
  - (ii) the date that the area was cleared; and
  - (iii) the size of the area cleared (in hectares).
- (b) Actions taken to avoid, minimise and reduce the impacts and extent of clearing in accordance with condition 6 of the Permit.
- (c) Actions taken to minimise the risk of the introduction and spread of *weeds* in accordance with condition 7 of the Permit.
- (d) Actions taken to minimise the risk of the introduction and spread of *dieback* in accordance with condition 8 of the Permit.
- (e) In relation to fauna management pursuant to condition 9 of this Permit:
  - (i) the location of each black cockatoo 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 black cockatoo identified; and
  - (iii) where black cockatoos have been identified, the date in which the black cockatoos no longer utilised the *habitat tree(s)* and the date the area was cleared.
- (f) Actions taken to mitigate impacts to the Claypans of the Swan Coastal Plain threatened ecological community in accordance with condition 10 of this Permit.
- (g) In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 12 of this Permit:
  - (i) the location of any areas *revegetated* and *rehabilitated*, 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) a description of the *revegetation* and *rehabilitation* activities undertaken; and
  - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares).

**14. Reporting**

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
  - (i) of records required under condition 13 of this Permit; and
  - (ii) concerning activities done by the Permit Holder under this Permit between 1 January to 31 December of the preceding calendar year.
- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December of the preceding calendar, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 30 June of each year.
- (c) Prior to 22 February 2023, the Permit Holder must provide to the CEO a written report of records required under condition 13 of this Permit where these records have not already been provided under condition 14(a) of this Permit.

## DEFINITIONS

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

**CEO** means the Chief Executive Officer of the Department responsible for administering 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 the establishment of a seed bed and the introduction of seeds of the desired plant species;

**fauna specialist:** means a person who holds a tertiary qualification specialising in environmental science or equivalent, and has a minimum of 2 years work experience in fauna identification and surveys of fauna native to the region being inspected or surveyed, or is a suitable fauna specialist for the bioregion, and who holds a valid fauna licence issued under the *Wildlife Conservation Act 1950*;

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

**habitat tree(s)** means trees that have a diameter, measured at 1.5 metres from the base of the tree, of 50 centimetres or greater, that contains or has the potential to develop hollows or roosts suitable for native fauna;

**local provenance** means native vegetation seeds and propagating material from natural sources within 100 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the area cleared;

**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;

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

**regenerate/ed/ion** means re-establishment of vegetation from in situ seed banks and propagating material (such as lignotubers, bulbs, rhizomes) contained either within the topsoil or seed-bearing *mulch*;

**rehabilitate/ed/ion** means actively managing an area containing native vegetation in order to improve the ecological function of that area;

**revegetate/ed/ion** means the re-establishment of a cover of *local provenance* native vegetation in an area using methods such as natural *regeneration*, *direct seeding* and/or *planting*, so that the species composition, structure and density is similar to pre-clearing vegetation types in that area;

**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.

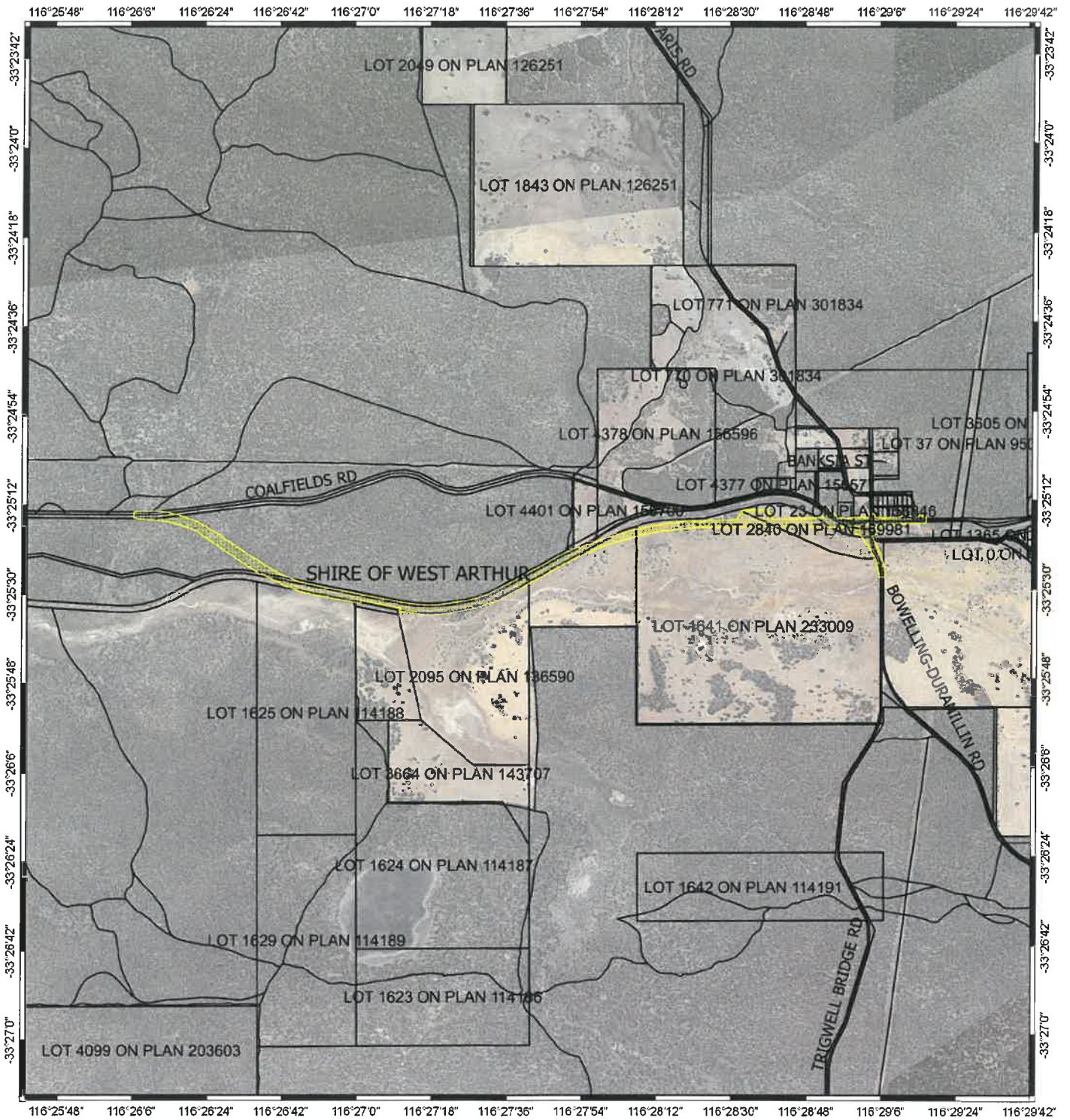


Mathew Gannaway  
MANAGER  
NATIVE VEGETATION REGULATION





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

26 July 2018

# Plan 7499/2a



## Legend

-  Areas approved to clear base layers
-  Local Government Authority
-  Cadastre
-  roads
- Virtual Mosaic - WA Now



1000 0 1000 m



MGA 94  
Geocentric Datum of Australia 1994

*Mathew Gannaway* Date: 26/07/2018  
Mathew Gannaway

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








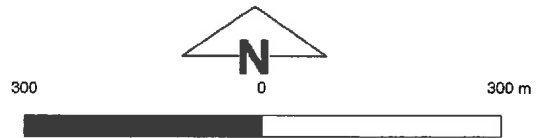
GOVERNMENT OF  
WESTERN AUSTRALIA

# Plan 7499/2b



## Legend

-  Area subject to conditions
-  base layers
-  Local Government Authority
-  Cadastre
-  roads
- Virtual Mosaic - WA Now



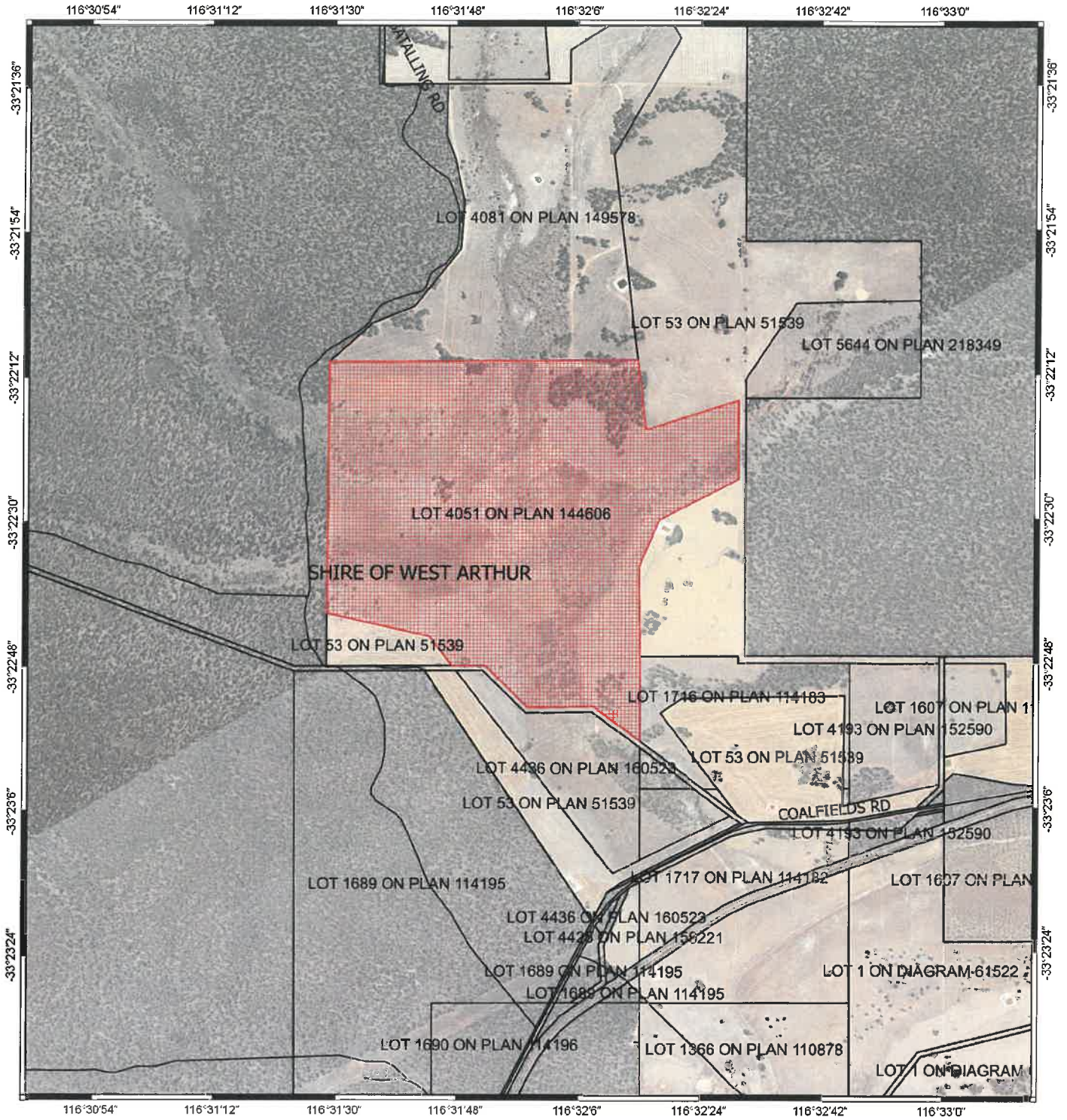
MGA 94  
Geocentric Datum of Australia 1994  
*Mathew Gannaway* Date 26/07/2019  
Mathew Gannaway

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



GOVERNMENT OF  
WESTERN AUSTRALIA

# Plan 7499/2c



## Legend

 Area subject to conditions

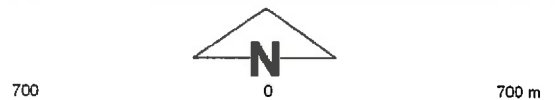
base layers

 Local Government Authority

 Cadastre

 roads

Virtual Mosaic - WA Now



MGA 94  
Geocentric Datum of Australia 1994

*Mathew Gannaway* Date *26/07/2016*  
Mathew Gannaway

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



GOVERNMENT OF  
WESTERN AUSTRALIA



## 1. Application details

### 1.1. Permit application details

Permit application No.: 7499/2  
Permit type: Purpose Permit

### 1.2. Applicant details

Applicant's name: Commissioner of Main Roads Western Australia  
Application received date: 1 June 2018

### 1.3. Property details

Property:  
Lot 4380 on Plan 156581, Bowelling  
Lot 2840 on Plan 169981, Bowelling  
Lot 23 on Plan 156346, Bowelling  
Lot 24 on Plan 156346, Bowelling  
Lot 1641 on Plan 233009, Bowelling  
Unallocated Crown land (PIN: 542579), Bowelling  
Unallocated Crown land (PIN: 542585), Bowelling  
Unallocated Crown land (PIN: 542602), Bowelling  
Unallocated Crown land (PIN: 542604), Bowelling  
Unallocated Crown land (PIN: 542606), Bowelling  
Unallocated Crown land (PIN: 11404372), Bowelling  
Reserve 22437, Bowelling  
State Forest 24, Bowelling  
Railway reserve (PIN: 510157), Bowelling  
Bowelling-Duranilling Road reserve (PINs: 11462890 and 11518535), Bowelling  
Hill Road reserve (PIN: 11462883), Bowelling  
Un-Named road reserve (PIN: 11503901), Bowelling  
Coalfields Road reserve (PINs: 11503911, 11462885 and 11462887), Bowelling

Local Government Authority: Shire of West Arthur  
Localities: Bowelling

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	Purpose category:
17.06		Mechanical Removal	Road construction or upgrades

### 1.5. Decision on application

Decision on Permit Application: Granted  
Decision Date: 26 July 2018  
Reasons for Decision: This amendment has been made to implement the Minister for Environment's appeal determination (Reference C006/18). The Minister for Environment determined that the clearing permit condition relating to weed and dieback management be amended to reflect Main Roads Western Australia's (MRWA) commitment to implement hygiene management practices as outlined in MRWA's Hygiene Management Plan for the approved clearing activities.

The precise wording of the amendment was determined by the Delegated Officer.

Given the above, the Delegated Officer decided to grant a clearing permit to reflect the Minister's determination.

The clearing impact assessment for this clearing permit amendment is consistent with the assessment undertaken for application CPS 7499/1.

## 2. Site Information

**Clearing Description** The amended application is for the clearing of 17.06 hectares of native vegetation within various road reserves, rail reserves, properties, unallocated Crown land and State Forest in the locality of Bowelling, for the purpose of road realignment.

**Vegetation Description** The application area has been mapped as Mattiske vegetation complex 'Swamp' which is described as a mosaic of low open woodland of *Melaleuca preissiana-Banksia littoralis*, closed scrub of *Myrtaceae* spp., closed heath of *Myrtaceae* spp. and sedgelands of *Baumea* and *Leptocarpus* spp. on seasonally wet or moist sand, peat and clay soils on valley floors in all climatic zones (Mattiske, E.M. and Havel, J.J., 1998).



### **3. Assessment of application against clearing principles**

This amendment has been made to implement the Minister for Environment's appeal determination (Reference C006/18).

The wording of condition 7 and new condition 8 on CPS 7499/2 now reflect MRWA's commitment to implement weed and dieback environmental hygiene practices as outlined in their Hygiene Management Plan "Bowelling-Curves MRD Mgt 2016-75-A2 v1".

A reassessment against the clearing principles was not undertaken. An assessment of the clearing principles can be found in Clearing Permit Decision Report CPS 7499/1.

### **Planning instruments and other relevant matters.**

The assessment against planning instruments and other matters has not changed and can be found in Clearing Permit Decision Report CPS 7499/1.

### **4. References**

- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment Australia.