



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4781/2
Permit Holder:	Shire of Bruce Rock
Duration of Permit:	25 May 2012 – 25 May 2017

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 widening and realignment.

2. Land on which clearing is to be done

Old Beverley Road Reserve, ARDATH 6419 (PIN 11657468, 11657469 and 11652007)

Collier Road Reserve, BRUCE ROCK 6418 (PIN 11493051)

Kellerberrin- Shackleton Road Reserve, SHACKLETON 6386 (PIN 11648559, 11650029, 11650028, 11650030, 11650031 and 11650032)

Babakin- Corrigin Road Reserve, BABAKIN 6428 (PIN 976571, 11658101, 11716452 and 11398157)

3. Area of Clearing

The Permit Holder must not clear more than 2.82 hectares of native vegetation within the combined areas shaded yellow on attached Plans 4781/2A, 4781/2B, 4781/2C and 4781/2D.

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 *Local Government Act 1995* or any other written law.

6. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

7. Avoid, minimise etc 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.

8. Offset - Revegetation Plan

The Permit Holder must, within the area shaded red on attached Plan 4781/2E, implement and adhere to the *offset* commitments as outlined in the "Offset Revegetation Plan - Shire of Bruce Rock - Clearing Application CPS4781/1", dated 19 March 2012 and to the Supplementary Information, dated 30 March 2012, including but not limited to:

- (a) The commencement of the *revegetation* project by July 2013 or a date otherwise approved by the CEO;
- (b) A starting density of 2100 stems per hectare with an overall success rate of 75% of the 2100 stems per hectare 5 years after establishment;
- (c) A composition of at least 18 *local provenance* species consistent with the mapped vegetation type 5 years after establishment;
- (d) A target structure of 25% overstorey, 50% midstorey and 25% understorey 5 years after establishment;
- (e) Selective weed control via hand spraying undertaken;
- (f) Rabbit warrens ripped prior to revegetation works and a baiting programme initiated if problem persists;
- (g) *Weeds and revegetation* establishment to be monitored annually for a five year period;
- (h) Infill *planting* and *weed* control undertaken within 12 months of success rate in condition 8(a) not being met; and
- (i) Photo points established at 3 sites within the project area, with photographs taken before *planting*, the summer after *planting* and annually, during summer.

PART III - RECORD KEEPING AND REPORTING

9. Records must be kept

In relation to the *Offset - Revegetation* of areas pursuant to condition 8:

- (a) the location of any area of offsets recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;
- (b) a description of the offset activities undertaken, including but not limited to those outlined in condition 8;
- (c) the size of the offset area (in hectares); and
- (d) results of measurements undertaken against revegetation success rate.

10. Reporting

- (a) The Permit Holder must provide to the CEO on or before 25 March of each year, a written report:
 - (i) of records required under condition 9 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit
- (b) Prior to 4 January 2017, the Permit Holder must provide to the CEO a written report of records required under condition 9 of this Permit where these records have not already been provided under condition 10(a) of this Permit.

Definitions

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

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;

local provenance means native vegetation seeds and propagating material from natural sources within 50 kilometres 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;

offset/s means an offset required to be implemented under condition 8 of this Permit;

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

project activities means those activities described in condition 1 of this Permit;

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;

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 a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.



Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

26 July 2012

Plan 4781/2A



LEGEND

- ✗ Road Centrelines
- Kellerberrin 50cm Orthomosaic - Landgate 2004
- Clearing Instruments
- Areas Approved to Clear

Scale 1:50945
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

[Signature] Date 26/7/20

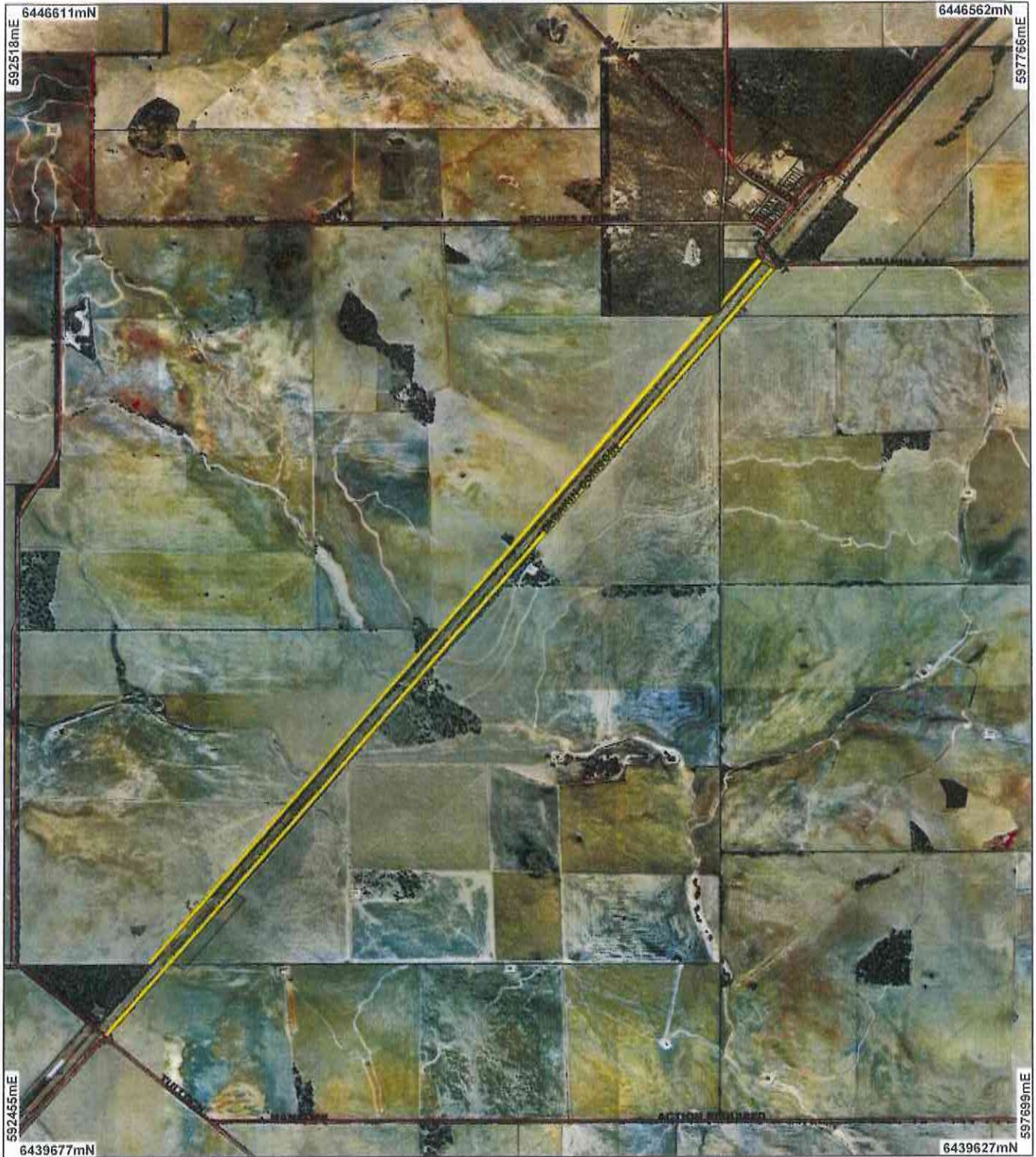
K Faulkner
Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.

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* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details

Plan 4781/2B



LEGEND

-  Cadastre
-  Road Centrelines
-  Clearing Instruments
-  Areas Applied to Clear
-  Areas Subject to Conditions (cont)
-  Areas Approved to Clear



Scale 1:30744
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: The data in this map have not been subjected to a rigorous quality control process. This may result in geometric distortion or measurement inaccuracies.

K Faulkner Date 24/7/12

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Plan 4781/2C



LEGEND

- Cadastre
- Clearing Instruments
- Areas Applied to Clear
- Areas Subject to Conditions
- Areas Approved to Clear
- Road Centrelines



0 ————— 1.25 km

Scale 1:42113

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

 Date: 26/7/16
K Faulkner

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Plan 4781/2D



LEGEND

-  Road Centrelines
-  Bruce Rock 1.4m Orthomosaic - Landgate 2001
-  Towns
-  Clearing Instruments
-  Areas Approved to Clear



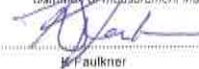
0  300 m

Scale 1:10956

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

 Date 26/7/12

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Plan 4781/2E



LEGEND

-  Road Centrelines
-  Cadastre
-  Clearing Instruments
-  Areas Subject to Conditions

Corrigin North 1.4m
Orthomosaic - Landgate 2001



Scale 1:15903

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: The data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

[Signature] Date: 26/7/11
K Faulkner

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1. Application details

1.1. Permit application details

Permit application No.: 4781/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Bruce Rock

1.3. Property details

Properties: OLD BEVERLEY ROAD RESERVE (ARDATH 6419)
COLLIER ROAD RESERVE (BRUCE ROCK 6418)
KELLERBERRIN- SHACKLETON ROAD RESERVE (SHACKLETON 6386)
BABAKIN- CORROGIN ROAD RESERVE (BABAKIN 6428)

Local Government: Shire of Bruce Rock

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
2.82		Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 26 June 2012

2. Site Information

2.1. Existing environment and information

2.1.1. Description of the native vegetation under application

Vegetation Description	Clearing Description	Vegetation Condition	Comment
There are three Mapped Beard vegetation associations: 36 is described as Shrublands; thicket, acacia-casuarina alliance (Shepherd, 2009)	The area under application consists of four roads and a railway reserve; 1. Collier Road reserve, Bruce Rock (in Bruce Rock town) 2. Old Beverley Road reserve, Ardath (~ 27kms from Bruce Rock) 3. Kellerberrin- Shackleton Road reserve, Shackleton (~ 32kms from Bruce Rock) 4. Babakin- Corrigin Road reserve and Railway Reserve, Babakin (~ 40kms from Bruce Rock)	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994) To Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The vegetation condition and description was determined from a Department of Environment and Conservation site visit undertaken on 23 January 2012 (DEC, 2012a, 2012b).
131 is described as Mosaic: Medium woodland; salmon gum & gimlet / Shrublands; mallee scrub, redwood & black marlock (Shepherd, 2009)			
and 1023 is described as Medium woodland; York gum, wandoo & salmon gum (Eucalyptus salmonophloia) (Shepherd, 2009)	All four areas under application are open roadside vegetation, consisting predominantly of Salmon Gums (Eucalyptus salmonophloia), York Gums (Eucalyptus loxophleba), and Jam trees (Acacia acuminata). The understorey is predominantly weeds except natives such as Barrier saltbush, acacia sp. and the occasional Eremophila sp.		

3. Assessment of application against clearing principles

Comments

The proponent has applied to increase the footprint clearing areas on Plan 4781/1b and Plan 4781/1c by 9ha and, within Kellerberrin- Shackleton Road reserve, Shackleton, Old Beverley Road reserve, Ardath, Babakin- Corrigin Road reserve, Babakin and Collier Road reserve, Bruce Rock and correct the offset area on Plan 4781/1e.. The amount of clearing (2.83ha) is to remain the same.

A review of current environmental information reveals no new additional information. Therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS4781/1.

4. Planning instruments, Native Title, Previous EPA decisions or other matters.

Comments

One public submission has been received objecting to the clearing of an additional 9ha (Submission, 2012). This concern has been addressed as it was a misunderstanding of the West Australian advertisement on 11 June 2012. The permitted clearing size remains the same at 2.82ha and it is only the footprint area which has increased in size by 9ha.

Methodology

References:

Submission (2012)

5. References

DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 29/12/2011.

DEC (2012a) Site Inspection Report for Clearing Permit Application CPS 4781/1, Multiple Road Reserves, Bruce Rock, Ardath, Shackleton and Babakin. Site inspection undertaken 23/1/2012. Department of Environment and Conservation, Western Australia (DEC REF A474731).

DEC (2012b) Site Inspection Report for Clearing Permit Application CPS 4781/1, Multiple Road Reserves, Bruce Rock, Ardath, Shackleton and Babakin. Site inspection undertaken 23/1/2012. Department of Environment and Conservation, Western Australia (DEC REF A479462).

Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Shepherd, D.P., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.

Submission (2012) Direct Interest Submission for clearing permit application CPS 4781/2 Received 17 June 2012. Western Australia (DEC REF A515367).