



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5320/2
Permit Holder:	Shire of West Arthur
Duration of Permit:	1 March 2013 to 1 March 2023

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, road maintenance, drainage works and infrastructure maintenance.

2. Land on which clearing is to be done

Lot 5127 on Plan 180003 (Darkan, 6392)

Trigwell Bridge Road reserve, Bowelling, 6225 (PIN 11518536, 11518537, 11518538 and 11518539)

Darkan South Road reserve, Darkan, 6392 (PIN 11243183 and 11249837)

Darkan South Road reserve, Duranillin, 6393 (PIN 11249831, 11281742, 11249832 and 11249833)

Howie Road reserve, Darkan, 6392 (PIN 11313851, 11313850, 11313846 and 11256245)

Boyup Brook-Arthur Road reserve, Moodiarrup, 6393 (PIN 1388893)

3. Area of Clearing

(a) The Permit Holder must not clear more than 6.1 hectares of native vegetation within the combined areas shaded yellow on attached Plan 5320/2a and Plan 5320/2b and Plan 5320/2c and Plan 5349/2d.

(b) The Permit Holder shall not clear more than one hectare of native vegetation within the area hatched yellow on attached Plan 5320/2e.

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.

6. Maximum width of clearing

Clearing is only authorised under this permit to the extent that the maximum width of the cleared area, within any road reserve described under condition 2 of this permit, does not exceed 14 metres, unless prior written authorization has been obtained from the CEO.

7. 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

8. 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:

- (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.

9. 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 *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared.

10. Fauna management

(a) Prior to undertaking any clearing authorised under this Permit, the area(s) shall be inspected by a *fauna specialist* who shall identify *habitat tree(s)* suitable to be utilised by fauna species listed below:

- (i) *Calyptorhynchus banksii* subsp. *naso* (Forest Red-tailed Black-Cockatoo),
- (ii) *Calyptorhynchus baudinii* (Baudin's Cockatoo (long-billed black-cockatoo)),
- (iii) *Calyptorhynchus latirostris* (Carnaby's Cockatoo (short-billed black-cockatoo)),
- (iv) *Phascogale calura* (Red-tailed Phascogale, Kenngoor),
- (v) *Phascogale tapoatafa* subsp. *tapoatafa* (Southern Brush-tailed Phascogale, Wambenger) and
- (vi) *Platycercus icterotis* subsp. *xanthogenys* (Western Rosella (inland))

(b) Prior to clearing, any *habitat trees* identified by condition 10(a) shall be inspected by a *fauna specialist* for the presence of fauna listed under condition 10(a).

(c) Where fauna are identified in relation to condition 10(b) of this Permit, the Permit Holder shall ensure that:

- (i) no clearing of the identified habitat tree(s) occurs, unless first approved by the CEO; and
- (ii) no taking of identified fauna occurs unless first approved by the CEO.

(d) Within one week prior to undertaking any clearing authorised under this Permit, the Permit Holder shall engage a *fauna clearing person* to remove and relocate fauna identified under condition 10(b).

11. Planting

Where clearing of native vegetation authorised under this permit occurs in Zone A of the *Country Areas Water Supply Act 1947* Wellington Dam Catchment Area, the Permit Holder shall establish and maintain for the term of this permit *local provenance* tree species within an area equivalent in size to the size of clearing undertaken, in accordance with the following requirements:

- (a) *planting* is to occur within Zone A of the *Country Areas Water Supply Act 1947* Wellington Dam Catchment Area,
- (b) *planting* is to commence within twelve months of any clearing authorised under this Permit; and
- (c) *planting* shall be established and maintained to a density of 1500 trees per hectare.

PART III - RECORD KEEPING AND REPORTING

12. Records must be kept

The Permit Holder must maintain the following records for activities done 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 (GDA 94), expressing the geographical coordinates in Easting and Northing's or decimal degrees;
 - (ii) the date that the area was cleared; and

- (iii) the size of the area cleared (in hectares).
- (b) In relation to fauna management pursuant to condition 10 of this Permit:
- (i) the location of each *habitat tree* identified recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA 94), expressing the geographical coordinates in Easting and Northing's or decimal degrees; and
 - (ii) the species name of fauna reasonably likely to utilise, that have been observed utilising, or which were taken from the *habitat tree(s)*; and
 - (iii) the location and date where any taken fauna were released, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA 94), expressing the geographical coordinates in Easting and Northings or decimal degrees.
- (c) In relation to planting pursuant to condition 11 of this Permit:
- (i) the location of any areas *planted*, 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 *planting* activities undertaken; and
 - (iii) the number of trees *planted*.

13. Reporting

- (a) The Permit Holder must provide to the CEO on or before 1 July of each year, a written report:
 - (i) of records required under condition 12 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 July and 30 June in the financial year immediately preceding the reporting date.
- (b) If no clearing authorised under this Permit was undertaken between 1 July to 30 June of the preceding financial year, a report confirming that no clearing has been undertaken must be provided to the CEO.
- (c) Prior to 1 December 2022 the Permit Holder must provide to the CEO a written report of records required under condition 12 of this Permit where these records have not already been provided under condition 13(a) of this Permit.

DEFINITIONS

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

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

environmental specialist means a person who is engaged by the Permit Holder for the purpose of providing environmental advice, 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;

fauna clearing person means a person who has obtained a licence from the Department, issued pursuant to the *Wildlife Conservation Regulations 1970* authorising them to take fauna;

fauna specialist means a person with training and specific work experience in fauna identification or faunal assemblage surveys of Western Australian fauna;

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

habitat tree(s) means trees that have a diameter, measured at 1.5m above the ground, of 50cm or greater, healthy but with dead limbs and broken crowns that are likely to contain hollows and roosts suitable for native fauna, or where these are not present then healthy but with the potential to contain hollows and roosts;

local provenance means native vegetation seeds and propagating material from natural sources within 30 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;

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 declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*; or
- (b) published in the Department of Environment and Conservation's Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

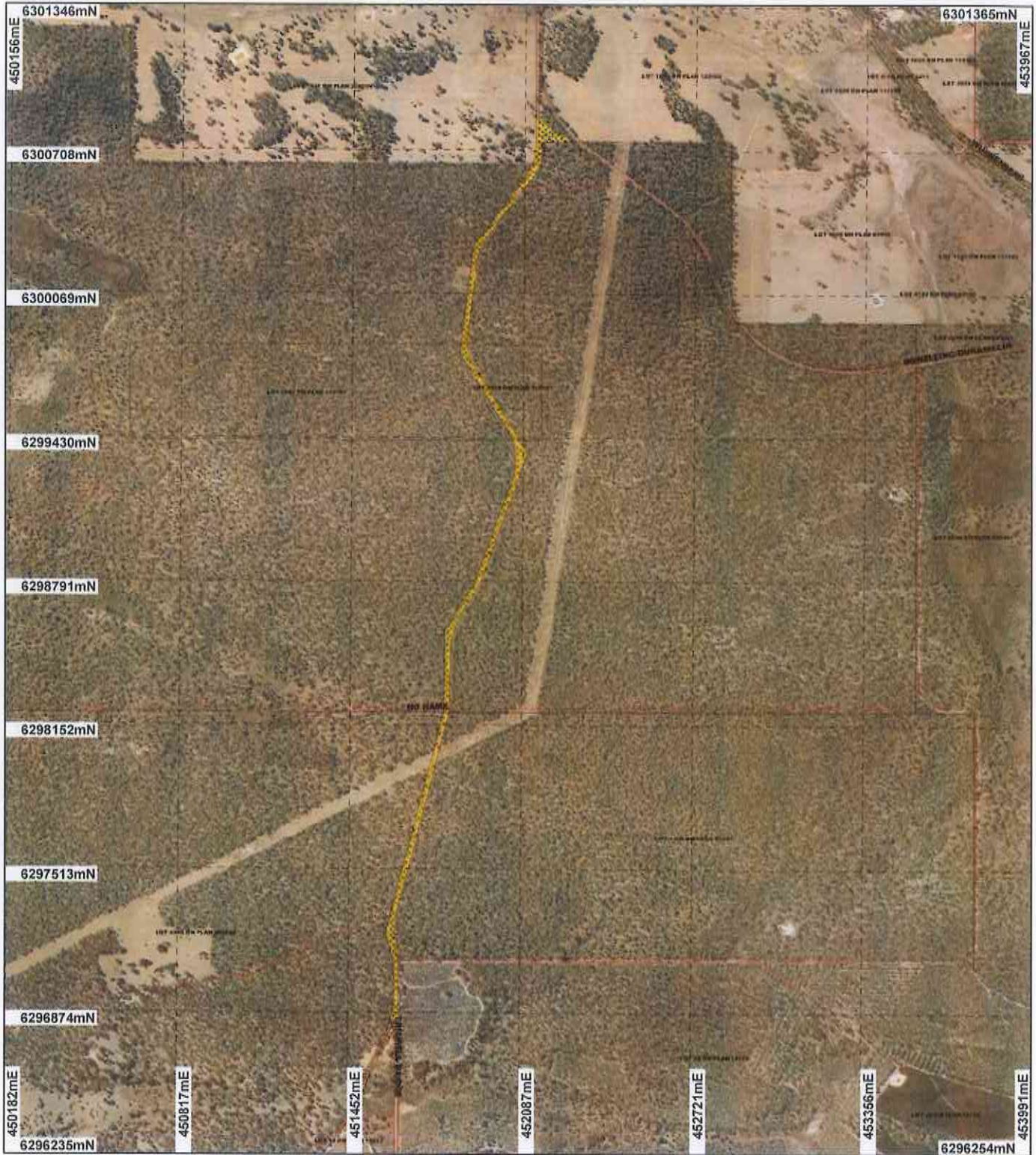


M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

16 May 2013

Plan 5320/2a



LEGEND

- ✓ Cadastre for labelling Road Centrelines
- Darkan 50cm Orthomosaic - Landgate 2006
- Collie 50cm Orthomosaic - Landgate 2006
- Clearing Instruments
- Areas Approved to Clear



Scale 1:22542
(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.

M Warnock Date 16/5/13

M Warnock

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

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Plan 5320/2b



LEGEND

- Cadastre for labelling Road Centrelines
- Diminup 50cm Orthomosaic - Landgate 2004
- Clearing Instruments
- Areas Approved to Clear

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 Geocentric Datum Australia 1994
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 Date: 16/5/13
 M. Wilmcock

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Plan 5320/2C



LEGEND

- Cadastre for labelling Road Centrelines
- Darkan 50cm Orthomosaic - Landgate 2008
- Clearing Instruments
- Areas Approved to Clear

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Geocentric Datum Australia 1994
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M. Weirrock
M Weirrock Date 16/5/13

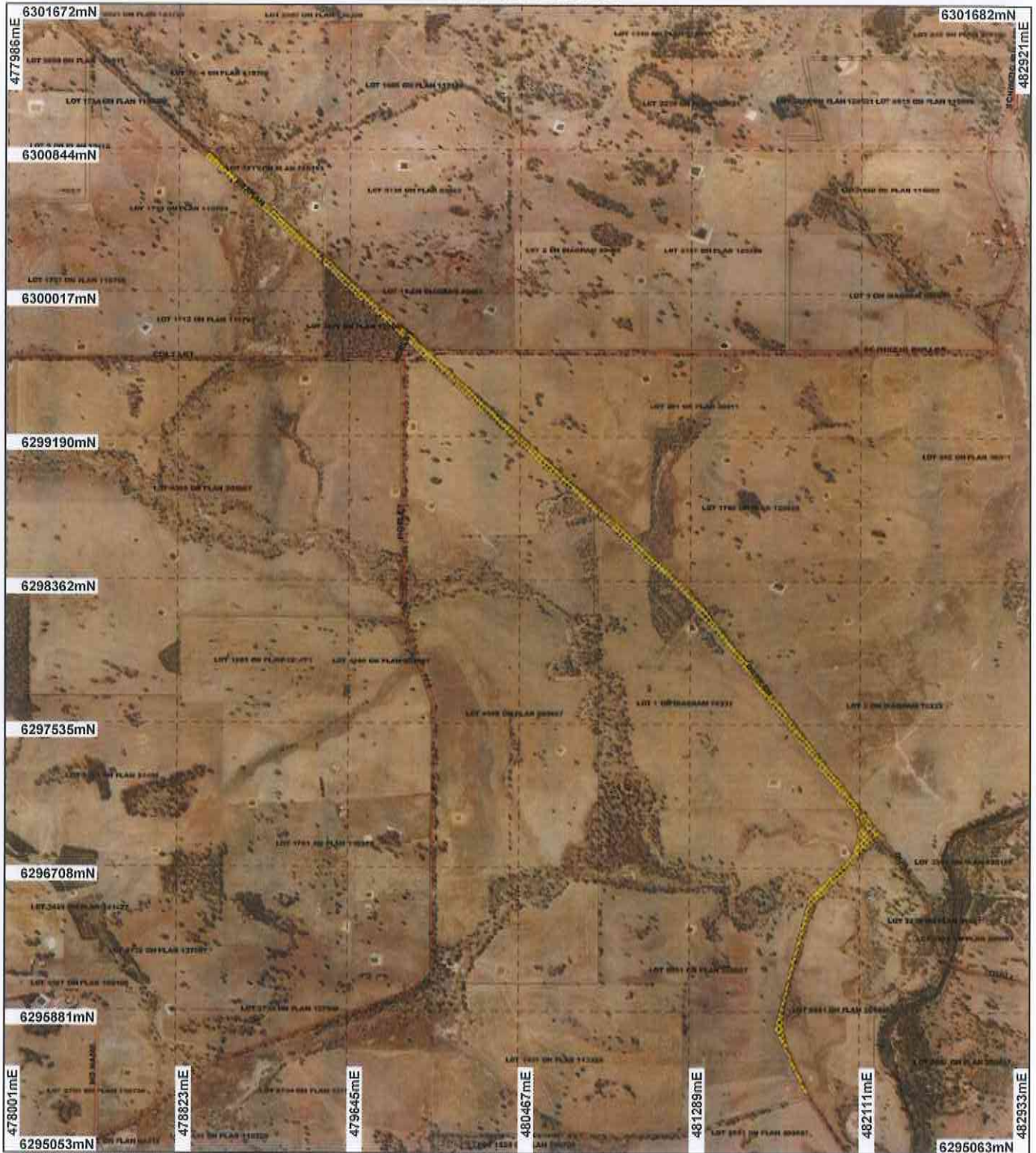
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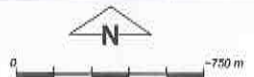
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Plan 5320/2d



LEGEND

- Cadastre for labelling Road Centrelines
- Darken 50cm Orthomosaic - Landgate 2006
- Clearing Instruments
- Areas Approved to Clear



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Geocentric Datum Australia 1994

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M Warnock Date 18/5/13

M Warnock

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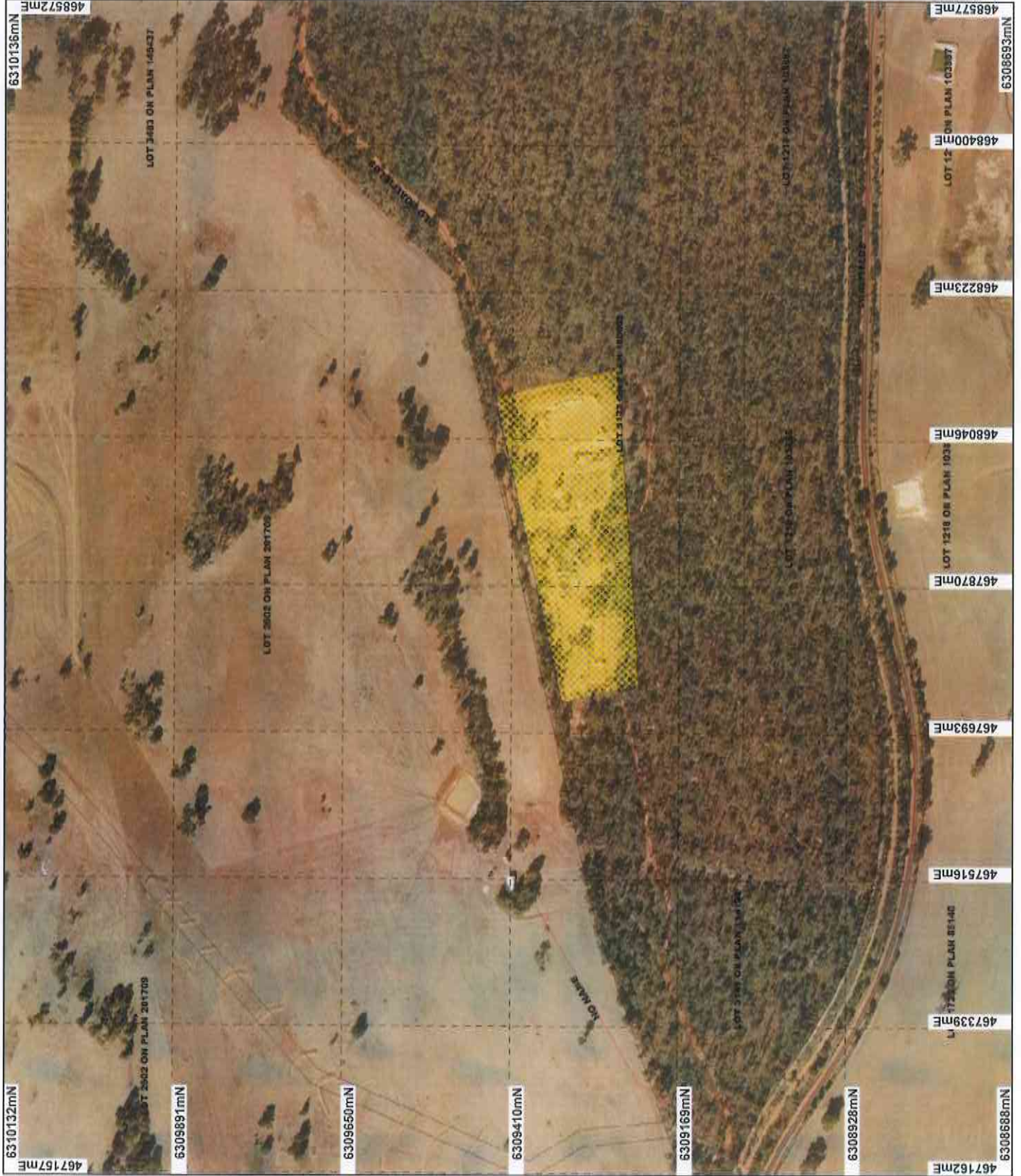


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Plan 5320/2e



LEGEND

- Cadastre for Labelling Road Centrelines
- Darwin 50cm Orthomosaic - Landgate 2006
- Clearing Instruments
- Areas Approved to Clear

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Geocentric Datum, Australia 1994

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M. Wilmot
M. Wilmot Date 16/5/13

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1. Application details

1.1. Permit application details

Permit application No.: 5320/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of West Arthur

1.3. Property details

Property:
ROAD RESERVE (BOWELLING 6225)
ROAD RESERVE (DARKAN 6392)
ROAD RESERVE (DURANILLIN 6393)
ROAD RESERVE (MOODIARRUP 6393)
LOT 5127 ON PLAN 180003 (DARKAN 6392)
Local Government Area: Shire of West Arthur
Colloquial name: Trigwell Bridge Road, Darkan South Road, Howie Road, Boyup Brook-Arthur River Road and Darkan rubbish disposal site

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1	0	Mechanical Removal	Infrastructure Maintenance
6.1		Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 16 May 2013

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
The vegetation under application at each site is mapped as the following Beard Vegetation Associations:	This application proposes to clear up to 7.1 hectares of native vegetation for the purpose of road maintenance and upgrades, drainage works and upgrading a rubbish disposal site within the Shire of West Arthur.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The vegetation condition was determined from aerial imagery and advice from the Shire of West Arthur (Shire of West Arthur, 2013; Darkan 50cm Orthomosaic 2006, Dinninup 50cm Orthomosaic (2004))
3 Medium forest; jarrah-marri (Darkan rubbish disposal site and Trigwell Bridge Road)	This application includes four road reserves and a rubbish disposal site.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	
4 Medium woodland; marri & wandoo (Boyup Brook-Arthur River Road; Howie Road; Darkan South Road) (Shepherd et al, 2001)		Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	
		Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	

3. Assessment of application against clearing principles

Comments

This application has been amended as the applicant advised that compliance with permit condition 6, 10 and 12 of CPS 5320/1 would not be possible. After review by Department of Environment and Conservation the wording of these three conditions was amended.

Permit condition 7, requiring the cessation of clearing one year prior to the expiration of the permit, was included in the original permit (CPS 5320/1) in error and so was removed from the amended permit as a CEO initiated amendment.

The assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 5320/1.

Methodology

GIS datasets

- Darkan 50cm Orthomosaic (2006)
- Dinninup 50cm Orthomosaic (2004)

Planning instrument, Native Title, Previous EPA decision or other matter.

Comments

Administrative changes to permit conditions 6, 10 and 12 have been made; condition 7 was removed from the amended permit.

The assessment against planning and other matters has not changed and can be found in the Clearing Permit Decision Report CPS 5320/1.

Methodology

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.
- 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.
- Shire of West Arthur (2013) Supporting documentation for clearing application CPS 5320/1 (DEC Ref: A590061, A590065, A590069 and A590081)

5. Glossary

Term	Meaning
BCS	Biodiversity Coordination Section of DEC
CALM	Department of Conservation and Land Management (now BCS)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment
DoIR	Department of Industry and Resources
DRF	Declared Rare Flora
EPP	Environmental Protection Policy
GIS	Geographical Information System
ha	Hectare (10,000 square metres)
TEC	Threatened Ecological Community
WRC	Water and Rivers Commission (now DEC)