



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5197/1
File Number: 2011/006805-1
Duration of Permit: From 26 October 2012 to 26 October 2014

PERMIT HOLDER

Shire of Augusta-Margaret River

LAND ON WHICH CLEARING IS TO BE DONE

Ellen Brook Road reserve (PIN I1476614), Cowaramup.

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.74ha within the combined areas shaded yellow on attached Plan 5197/1 (a) and 5197/1 (b).

CONDITIONS

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) shall only move soils in *dry conditions*;
- (c) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (d) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

DEFINITIONS

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

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

dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

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; and

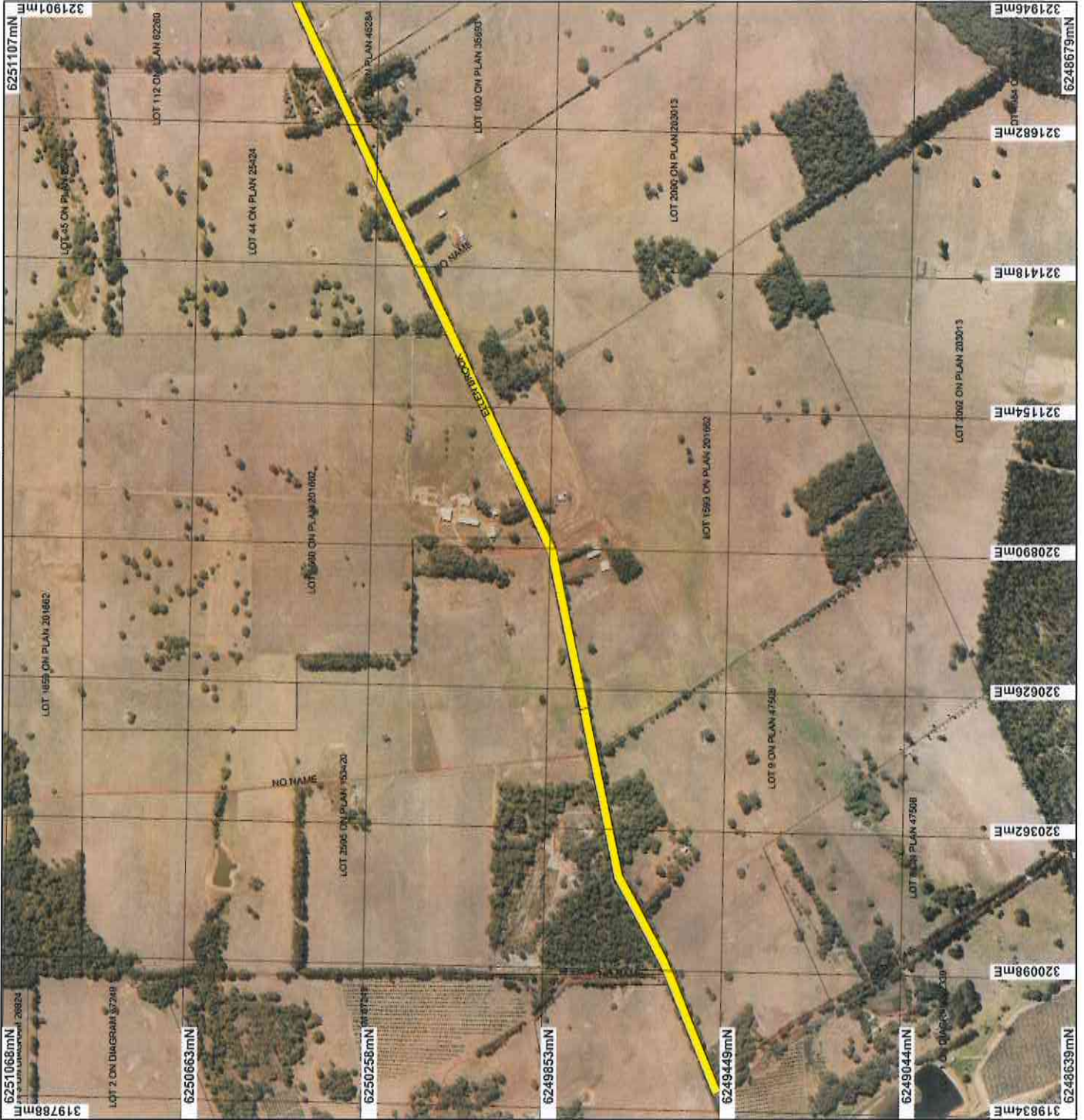
weed/s means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.

Roxane Shadbolt
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

4 October 2012

Plan 51971/1 (a)



LEGEND

- Cadastral**
- Freehold
 - Crown Reserve
 - State Forest / Timber Reserve
 - Marine Park
 - Crown Lease
 - Lease / Reserve
 - Lease on State Forest / Timber Reserve
 - Public Roads
 - Unutilized Crown Land
 - Water
- Road Centrelines**
- Clearing Instruments
 - Areas Approved to Clear
 - Bursallion 50cm Orthomosaic - Landgate 2007

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

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Scale 1:13715
(Approximate when represented as Layer)

Geocentric Datum Australia 1984

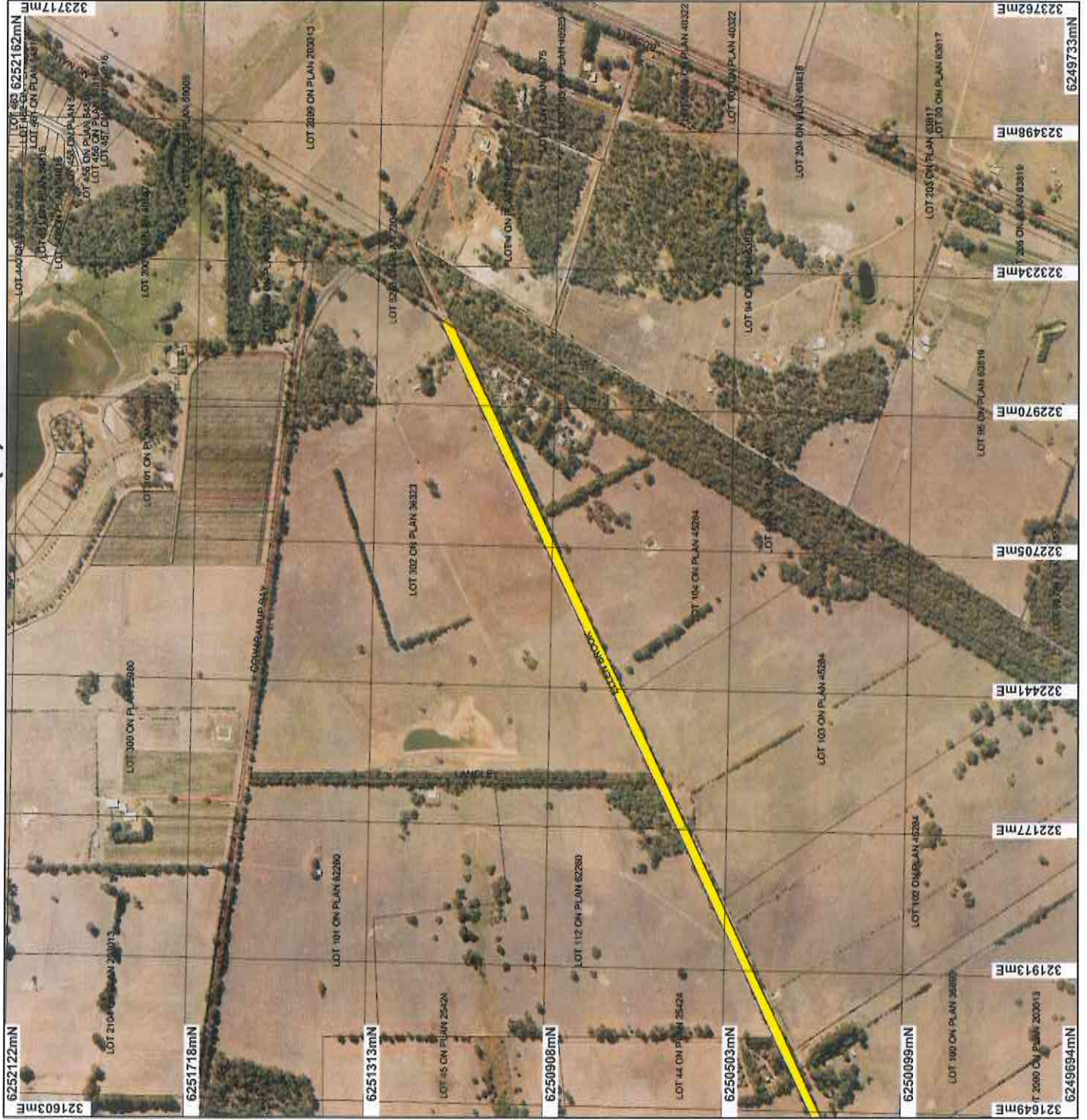
Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

R. Shorobelt
R. Shorobelt
4/10/12
Rosane Shorobelt

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

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Plan 51971 (b)



LEGEND

- Cadastral**
- Freshfield
 - Crown Reserve
 - State Forest / Timber Reserve
 - Marine Park
 - Crown Lease
 - Lease / Reserve
 - Lease on State Forest / Timber Reserve
 - Public Roads
 - Unallocated Crown Land
 - Water
- Road Centrelines**
- Clearing Instruments
 - Arrows Approved to Clear
 - Bushranger 50cm Orthomosaic - Langgate 2007

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



 Scale 1:1316
 (Approximate when reproduced at large)
 Geocentric Datum Australia 1994
 Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

R. Sheehy Date: 14/10/22
Rosane Sheehy

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





1. Application details

1.1. Permit application details

Permit application No.: 5197/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Augusta Margaret River

1.3. Property details

Property: ROAD RESERVE (COWARAMUP 6284)
Local Government Area: Shire of Augusta – Margaret River
Colloquial name: Ellen Brook Road reserve

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 4 October 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
The vegetation under application has been mapped as Mattiske Vegetation Cowaramup Complex (C2) consisting of open forest of Eucalyptus marginata, Corymbia calophylla and Banksia grandis on lateritic uplands in perhumid and humid zones (Mattiske and Havel, 1998).	This application proposes to clear 0.74 hectares of native vegetation within Ellen Brook Road reserve, Cowaramup, for the purpose of road reconstruction.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The condition of the vegetation was established through a site inspection (DEC, 2012).
Mattiske Vegetation Cowaramup Complex (Cw2) consists of woodland of Eucalyptus marginata and Corymbia calophylla on slopes and low woodland of Melaleuca preissiana and Banksia littoralis on depressions in perhumid and humid zones (Mattiske and Havel, 1998).	The vegetation under application is dominated by Corymbia calophylla with some Eucalyptus marginata over Agonis flexuosa, Dasypogon hookeri, Hakea amplexicaulis, H. lissocarpha, Xanthorrhoea preissii, Kingia australis, Macrozamia riedlei, Bossiaea linophylla, Banksia grandis, Taxandria parviceps over Hovea sp., Hardenbergia comptiana, Hibbertia hypericoides, Leucopogon verticillatus, and native sedges. Weed cover varies from dense to sparse (DEC, 2012).	To Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	
Mapped Beard Vegetation Association 3 is described as medium forest consisting of jarrah and marri (Shepherd et al, 2001).			

3. Assessment of application against clearing principles

Comments	Proposal is not likely to be at variance to this Principle
	<p>This application proposes to clear 0.74 hectares of native vegetation within Ellen Brook Road reserve, Cowaramup, for the purpose of road reconstruction. The vegetation condition varies from completely degraded to very good (Keighery, 1994), with the majority being in a degraded to good (Keighery, 1994) condition (DEC, 2012).</p> <p>Several Priority flora species have been mapped within the local area (10km radius). Of these, three species - Dampiera heteroptera, Xyris maxima and Grevillea brachystylis subsp. brachystylis have been mapped within 1km on similar soil and vegetation types as the area under application. There are no threatened flora values mapped along this portion of the Ellen Brook Road reserve (DEC, 2012).</p> <p>There are several large trees with hollow bearing potential within the application area (DEC, 2012), however the impact of the removal of these trees on black cockatoos is likely to be minimal given the close proximity of vegetation in a better condition. Given the small size and linearity of the application area, and the amount of vegetation remaining in the surrounding areas, the application area is not likely to provide significant habitat for indigenous fauna.</p>

The local area (10km) surrounding the application has approximately 45 percent of its pre-European vegetation remaining and the Shire of Augusta-Margaret River retains approximately 63 per cent of its pre-European vegetation extent (Government of Western Australia, 2011).

One minor non perennial watercourse runs through a highly disturbed portion of the application area, with very little vegetation present. This section of road is likely to already include road side infrastructure, such as table drains and culverts to ensure the flow regime of this watercourse is not disturbed.

Given the small size and linearity of the proposed clearing, it is not likely the proposed clearing will cause appreciable land degradation, impact water quality, consist of riparian vegetation or cause or exacerbate the intensity of flooding.

Roadside clearing activities have the potential to increase the risk of dieback and weeds spreading into surrounding areas. Weed and dieback management practices will assist in minimising the effects of clearing.

Given the above the proposed clearing is not likely to be at variance to any of the clearing Principles.

Methodology

References:

- DEC (2012)
- Government of Western Australia (2011)
- Keighery (1994)

GIS Databases:

- SAC Biodatasets (accessed September 2012)
- Soils, Statewide
- Pre-European Vegetation
- Matiske Vegetation
- Hydrography, linear

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

Comments

No submissions from the public have been received.

Methodology

4. References

- DEC (2012) Site Inspection Report for Clearing Permit Application CPS 5196/1. Site inspection undertaken /0/2012. Department of Environment and Conservation, Western Australia (DEC Ref A).
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Matiske, 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.
- 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.

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)