



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3817/1

File Number: 2010/004534-1

Duration of Permit: From 29 August 2010 to 29 August 2012

PERMIT HOLDER

Shire of West Arthur

LAND ON WHICH CLEARING IS TO BE DONE

Perry Street road reserve, Darkan (PIN 11338098)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 3 native trees within the area hatched yellow on attached Plan 3817/1.

CONDITIONS

Nil.

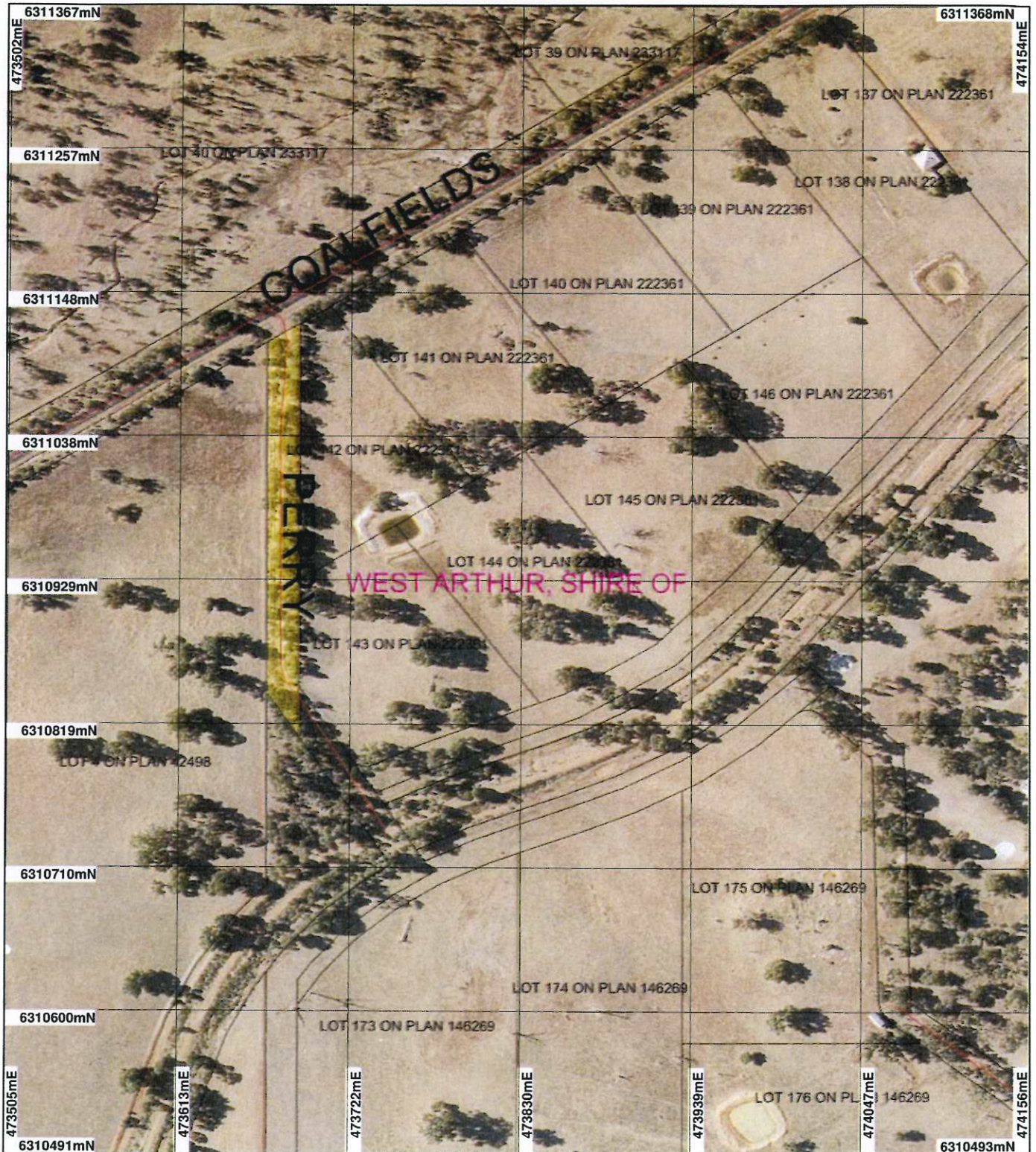
A handwritten signature in black ink, appearing to read 'Matthew Warnock', written over a horizontal line.

Matthew Warnock
ACTING MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

29 July 2010

Plan 3817/1

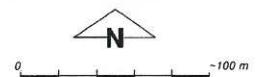


LEGEND

- ☐ Cadastre
- ☐ Local Government Authorities
- ☒ Road Centrelines

Clearing Instruments

- ☐ Areas Approved to Clear
- ☐ Darken 50mm Orthomosaic - Landgate 2006



Scale 1:3853

(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 29/7/10

M. Warnock
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.



Department of Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 3817/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of West Arthur

1.3. Property details

Property: ROAD RESERVE (DARKAN 6392)
Local Government Area: Shire of West Arthur
Colloquial name: Perry Street

1.4. Application

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

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
Beard vegetation association: 4: Medium forest; marri & wandoo (Shepherd, 2007)	Vegetation proposed to be cleared is 3 trees adjacent to an existing vehicle track.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery, 1994)	Vegetation condition was determined from aerial photography and photographs supplied by the proponent (Shire of West Arthur, 2010).
Mattiske vegetation association: Dk3: Open woodland of Allocasuarina huegeliana-Acacia acuminata with occasional Eucalyptus rudis and Eucalyptus wandoo on variable slopes near granite outcrops and woodland of Eucalyptus astringens-Eucalyptus wandoo on breakaways in the arid zone. (Mattiske et al., 1998)	Vegetation in the road reserve has been previously cleared and shows severe weed invasion, predominantly by pasture grasses. There appear to be few native mid or understorey species present in the vicinity of the trees to be cleared and the vegetation under application is assessed as being in completely degraded condition (Keighery, 1994). The land adjacent to the road reserve is farmland that has been parkland cleared with isolated paddock trees remaining.		

3. Assessment of application against clearing principles

Comments

The proposal is to clear 3 native trees within Perry Street road reserve, Darkan for the purpose of widening the existing track for access to nearby properties. Two of the trees are dead and the third is reported to be regrowth from the original clearing for the existing road (Shire of West Arthur, 2010). The vegetation under application is considered to be in completely degraded (Keighery, 1994) condition, with understorey vegetation and structure absent, presumably due to the impact of previous clearing activities.

There are two records of the declared rare flora *Tribonanthes purpurea* in the local area (10km radius), with the closest record mapped as occurring 9.2km east-northeast of the applied area. These records were made within the same vegetation type (Beard 4) but different soil type as the vegetation under application. This species occurs on seasonally wet soils in moss swards & herbfields among granite rocks (DEC, 2010a), which is inconsistent with soil type mapped as occurring in the applied area, and it is therefore considered unlikely that the vegetation under application provides suitable habitat for this species.

Photographs supplied by the proponent indicate that one of the dead trees may have value as a habitat tree for native fauna (DEC, 2010b).

The vegetation under application is in completely degraded (Keighery, 1994) and is no longer representative of the Beard vegetation association (Beard 4) mapped as occurring within the applied area. Due to the small scale of the proposed clearing (3 trees) and condition of the surrounding vegetation, the vegetation under application is considered unlikely to hold significant biodiversity values for the region, nor is the proposed clearing likely to impact on water quality or cause appreciable land degradation.

Given the above, the proposed clearing is not likely to be at variance with all of the clearing Principles.

- Methodology** References:
- DEC, 2010a
 - DEC, 2010b
 - Keighery, 1994
 - Shire of West Arthur, 2010
- GIS Databases:
- ANCA, Wetlands - 26/03/99
 - Darkan 50cm Orthomosaic - Landgate 2006
 - DEC Managed Lands & Waters - DEC 28/10/09
 - Evapotranspiration, Area Actual - BOM 30/09/01
 - Groundwater Salinity, statewide - DoW 13/07/06
 - Hydrogeographic Catchments, Catchments - DoW 01/06/07
 - Hydrogeology, statewide - DoW 13/07/06
 - Hydrography, linear DoW 13/7/06
 - Matiske Vegetation Complexes - CALM 01/03/98
 - Rainfall, Mean Annual - BOM 30/09/01
 - Pre-European vegetation - DA 01/01
 - RAMSAR, Wetlands - 15/10/09
 - SAC Biodatasets - 15/07/10
 - Soils, Statewide - 30/11/99
 - Topographic Contours, Statewide - DOLA 12/09/02

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

Comments

No submissions from the public have been received.

The proponent has the authority over the land on which the clearing is proposed to be done, as it is within Perry Street road reserve, which is vested with the Shire of West Arthur.

There are no Aboriginal Sites of Significance mapped as occurring within or adjacent to the applied area.

- Methodology** GIS Databases:
- Aboriginal Sites of Significance - DIA 02/10
 - Cadastre - Landgate 12/09
 - Country Area Water Supply Act (Part IIA) Clearing Control Catchments - DoW 29/06/06
 - Environmental Impact Assessments - EPA 08/03/05
 - Native Title Claims - LA 2/5/07
 - Public Drinking Water Source Areas (PDWSAs) - 07/02/06
 - RIWI Act, Areas - DoW 05/04/02
 - RIWI Act, Groundwater Areas - DoW 13/07/06
 - RIWI Act, Irrigation Districts - DoW 13/07/06
 - Town Planning Scheme Zones - MFP 31/08/98

4. References

- DEC (2010a) Florabase - *Tribonanthes purpurea* T.Macfarlane & Hopper. Descriptions by the Western Australian Herbarium, Department of Environment and Conservation. Available from <http://florabase.dec.wa.gov.au/>. Accessed on Tuesday, 27 July 2010.
- DEC (2010b) South West Regional Advice. Department of Environment and Conservation. DEC Ref: A320131.
- 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.
- Shepherd, D.P. (2007) Adapted from: 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 (2010) Clearing permit application - supporting information. Shire of West Arthur. DEC Ref: A316100.

5. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management (now DEC)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment (now DEC)
DoW	Department of Water
DMP	Department of Mines and Petroleum (ex DoIR)
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)