



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 3272 / 1
File Number: DEC12734
Duration of Permit: From 10 October 2009 to 10 October 2011

PERMIT HOLDER

Todd Daniel Norton
Joanne Donelle Norton

LAND ON WHICH CLEARING IS TO BE DONE

Lot 50 on Diagram 2481

AUTHORISED ACTIVITY

Clearing of 27 native trees within the area hatched yellow on attached Plan 3272/1.

CONDITIONS

Nil

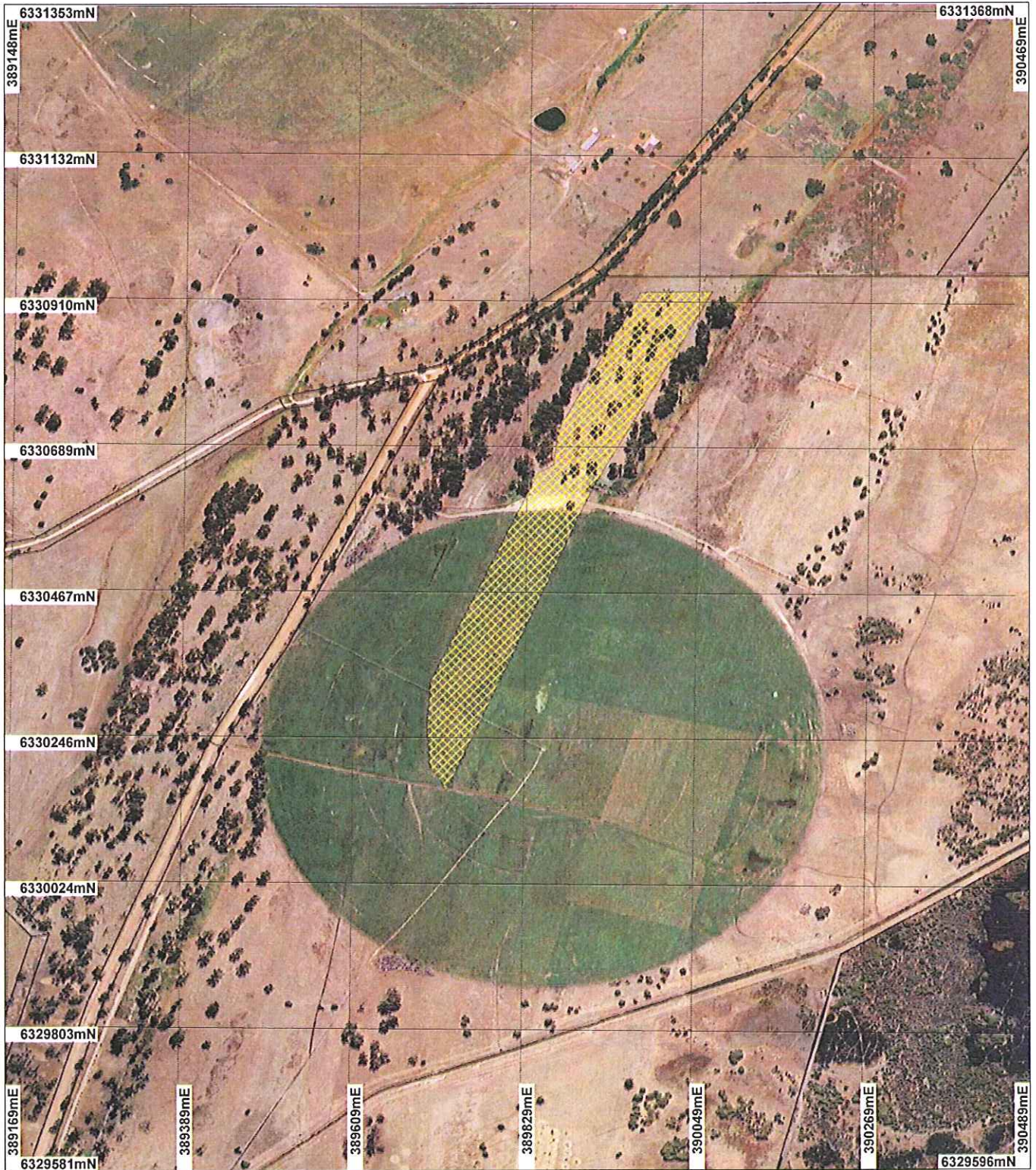
A handwritten signature in black ink, appearing to read "K Faulkner", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

10 September 2009

Plan 3272/1



LEGEND

Clearing Instruments
Cadastre
Bunbury 50cm Orthomosaic
1:25,000



0 200 m

Scale 1:7801

(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 for measurement inaccuracies.

[Signature] Date 10/9/09
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.



Department of
Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 3272/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: T.D and J.D Norton

1.3. Property details

Property: LOT 50 ON DIAGRAM 2481 (BENDER 6223)

Local Government Area:

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
	27	Mechanical Removal	Extractive Industry

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
Mapped Beard vegetation association (Beard 1980); 1182 - Medium woodland; Eucalyptus rudis & Melaleuca raphiophylla	The vegetation to be cleared consists of 27 native Jarrah trees (Eucalyptus marginata). (Lundstrom Environmental, 2009)	Completely Degraded; No longer intact; completely/almost completely without native species (Keighery 1994)	The vegetation description was determined using photos provided by Lundstrom Environmental.

Hedde Vegetation
Complex (1980);

Cannington Complex

3. Assessment of application against clearing principles

Comments

The proposal to clear 27 native trees for the purpose of sand extraction is unlikely to have any significant environmental impacts.

The vegetation is parkland cleared and considered to be in completely degraded condition. (Keighery, 1994) The vegetation consists of 27 isolated Jarrah trees (Eucalyptus marginata) with no understorey. The vegetation to be cleared is well represented in the local area, and is unlikely to provide a significant habitat for native fauna.

The vegetation to be cleared is mapped as Beard Vegetation Association 1182 and the Hedde Cannington Complex which have 27% and 10% of their pre-european extent remaining respectively. (Shepherd et al, 2007; Hedde, 1980) The vegetation to be cleared consists of 27 native Jarrah trees and is not considered to be representative of these vegetation types and is not significant as a remnant of native vegetation in an area that has been extensively cleared.

It is unlikely that the proposal to clear 27 native Jarrah trees will impact upon the neighbouring Bender swamp and surrounding conservation areas; or cause or exacerbate land degradation, water quality or flooding.

It is considered that the clearing as proposed is not likely to be at variance with any of the clearing principles.

Methodology Shepherd et al (2007)
Hedde (1980)

- Keighery (1994)
 GIS Layers:
 - CALM Managed Lands & Waters - CALM 01/06/05
 - 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
 - Pre-European vegetation - DA 01/01
 - SAC Biodatasets accessed 01/09/09

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

Comments

The proposed clearing is located within a RIWI groundwater area. The proponent is not proposing to take any groundwater, therefore, no RIWI licences are required.

The area under application lies within the Greater Bunbury Regional Scheme (GBRS) and has been zoned rural. An application for planning approval, a Greater Bunbury Region Scheme planning application and an extractive industry licence have been applied for but not yet granted by the Shire of Harvey.

Methodology

4. Assessor's comments

Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is not likely to be at variance with the clearing principles.

5. References

- Hedde, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Lundstrom Environmental (2009) Extractive Industries Licence Application, Lot 50 on Diagram 2481, Campbell Road, Benger, Shire of Harvey.
- Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.
- 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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

6. 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)