



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 4833/1

File Number: 2012/000333

Duration of Permit: 8 March 2012 from signing 8 March 2017

PERMIT HOLDER

Commissioner of Main Roads

LAND ON WHICH CLEARING IS TO BE DONE

Lot 4328 on Deposited Plan 169141, North Jindong (Crown Reserve 28696)

PURPOSE FOR WHICH THE CLEARING MAY BE DONE

Clearing for the purpose of rehabilitation

CONDITIONS

1. Area of Clearing

The Permit Holder shall not clear more than 1.23 hectares of native vegetation within the area cross hatched yellow on attached Plan 4833/1.

2. 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.

3. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the power to clear native vegetation for those activities under the *Land Administration Act 1997* or any other written law.

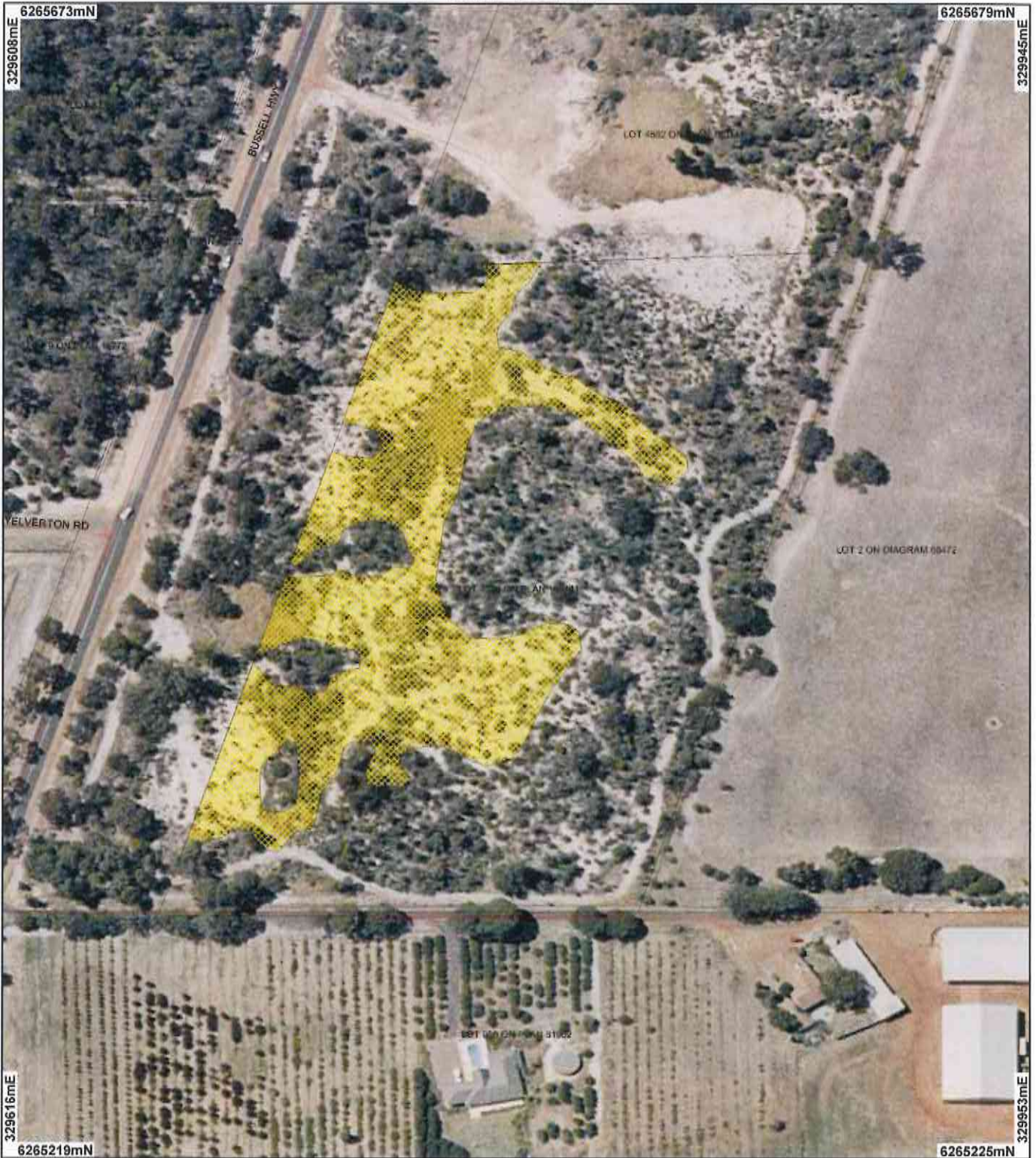
A handwritten signature in blue ink, appearing to be "KF", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

8 March 2012

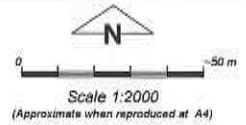
Plan 4833/1



LEGEND

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

Busseton 50cm Orthomosaic - Landgate 2007



Geocentric Datum Australia 1994
 Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Date 8/3/12
 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.: 4833/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Main Roads Western Australia

1.3. Property details

Property: LOT 4328 ON PLAN 169141 (Lot No. 4328 BUSSELL NORTH JINDONG 6280)
Local Government Area: Shire of Busselton
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.23		Mechanical Removal	Restoration

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 8 March 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
Mapped Beard vegetation association 1000 is described as Medium forest; jarrah-marri (Shepherd 2009).	The application proposes to clear up to 1.23 hectares of native vegetation within Lot 4328 on Deposited Plan 169141 (Crown Reserve 28696), North Jindong for the purpose of rehabilitation. The vegetation is in degraded (Keighery 1994) condition.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was determined through aerial imagery (Busselton 50cm Orthomosaic - Landgate 2007) and a DEC site visit.
Mapped Beard vegetation association 1181 is described as Medium woodland, jarrah & Eucalyptus haematoxylon (Whicher Range) (Shepherd 2009).			
Mattiske vegetation complex Yd - Woodland of Allocasuarina fraseriana-Eucalyptus marginata subsp. marginata-Xylomelum occidentale-Banksia attenuata on sandy slopes in the humid zone (Mattiske and Havel 1998).			

3. Assessment of application against clearing principles

The application proposes to clear up to 1.23 hectares of native vegetation within Lot 4328 on Deposited Plan 169141 (Crown Reserve 28696), North Jindong for the purpose of rehabilitation.

The application will allow for the rehabilitation of Reserve 28696 as part of the offset proposal for the Bussell Highway - Carburnup project. The application proposes to clear regrowth in a former sand pit to allow for re-contouring prior to commencement of rehabilitation works.

Within the local area (10km radius) 7 fauna species of conservation significance have been recorded. The closest records are the Western Ringtail Possum (WRP) (*Pseudocheirus occidentalis*) (WRP) (Threatened, Wildlife Conservation Act 1950; Vulnerable, Environment Protection and Biodiversity Conservation Act 1999) and the Dunsborough Burrowing Crayfish (*Engaewa reducta*) (Threatened, Wildlife Conservation Act 1950; Critically Endangered, Environment Protection and Biodiversity Conservation Act 1999), which were recorded within 1.5km from the application area (DEC 2007-). The vegetation under application is unlikely to provide habitat for the Dunsborough Burrowing Crayfish and given the condition of the vegetation it is unlikely to provide suitable habitat for the WRP.

The vegetation surrounding the application area supports plants of *Johnsonia inconspicua* (P3) and *Laxmannia jamesii* (P4). These plants are mostly restricted to the intact islands of vegetation in amongst areas of historic sand extraction (DEC 2012). The applicant has avoided these areas of intact vegetation that support priority flora species.

The assessment determined that the proposed clearing is not likely to significantly impact any biodiversity,

habitat or environmental values or cause appreciable land degradation within the local or regional context. Given the above, the application and is not likely to be at variance to the any of the remaining clearing principles.

Methodology References
DEC (2007-)
DEC (2012)

GIS Databases:
- Busselton 50cm Orthomosaic - Landgate 2007
- SAC BioData sets

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

Comments

The application proposes to clear up to 1.23 hectares of native vegetation within Lot 4328 on Deposited Plan 169141 (Crown Reserve 28696), North Jindong for the purpose of rehabilitation.

The application will allow for the rehabilitation of Reserve 28696 as part of the offset proposal for the Bussell Highway - Carburnup project. The application proposes to clear regrowth in a former sand pit to allow for re-contouring prior to commencement of rehabilitation works. The offset has been approved for Main Roads Western Australia State wide Purpose Permit 818/6 - Bussell Highway, chambers Road to Island Brook Section.

Crown Reserve 28696 is under a management order by the City of Busselton for the purpose of sand.

The application area falls within the Busselton - Capel groundwater area which is an area proclaimed under the Rights in Water and Irrigation Act 1914.

Methodology GIS Databases
- Cadastre
- RIWI, Groundwater Areas

4. References

- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 06/03/2012.
- DEC (2012) CPS 4833/1 ? Comments from South West Region for MRWA Clearing Application . DEC ref: A480953
- 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. (2009) 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.

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)