



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4936/1

File Number: 2012/001672-1

Duration of Permit: From 19 April 2012 to 19 April 2014

PERMIT HOLDER

Bernard Edward Frederick Hockings

LAND ON WHICH CLEARING IS TO BE DONE

Lot 21 on Plan 11954, Roelands

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.6 hectares of native vegetation within the area hatched yellow on attached Plan 4936/1.

CONDITIONS

Nil.

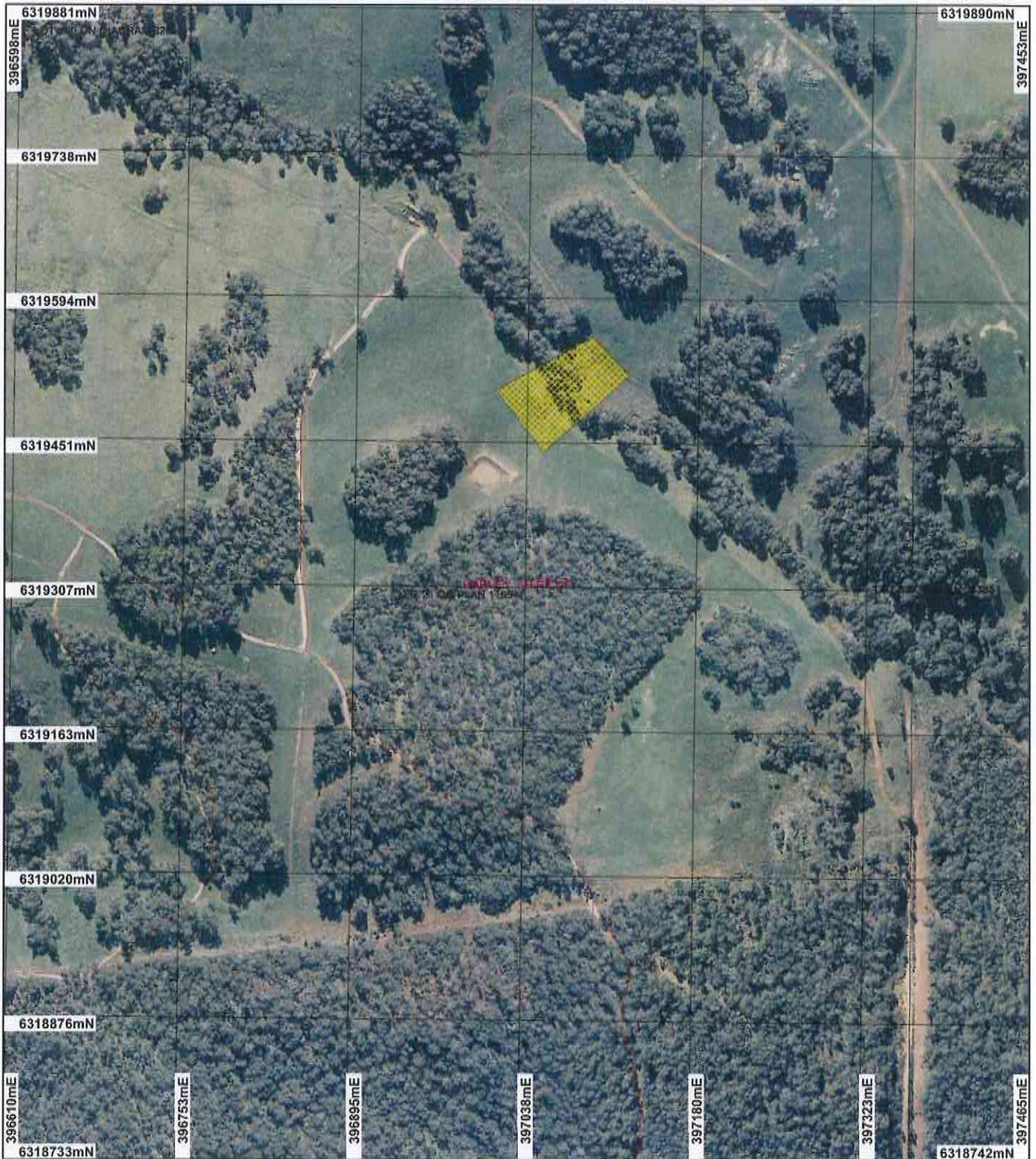
A handwritten signature in black ink, appearing to be "K. Faulkner", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

29 March 2012

Plan 4936/1



LEGEND

- Clearing Instruments**
- Areas Approved to Clear
 - Road Centrelines
 - Cadastre for labelling
- Local Government Authorities**
- Local Government Authorities
- Bunbury 50cm Orthomosaic - Landgate 2008**



0 ————— 100 m

Scale 1:5056
(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.

Date 29/3/18

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.: 4936/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: Bernard Edward Frederick Hockings

1.3. Property details

Property: LOT 21 ON PLAN 11954 (Lot No. 21 COALFIELDS ROELANDS 6226)

Local Government Area: Shire of Harvey

Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 29 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
<p>Beard Vegetation Association: 1184 - Medium woodland-fringing; jarrah, marri, Eucalyptus rudis & Agonis flexuosa (Shepherd, 2009).</p> <p>Mattiske:</p> <ul style="list-style-type: none"> Lowdon (Lo) Complex: Open forest of Corymbia calophylla-Eucalyptus marginata subsp. marginata-Agonis flexuosa with some Eucalyptus wandoo and occasional Corymbia haematoxylon on slopes, and woodland of Eucalyptus rudis-Melaleuca raphiophylla on valley floor in the humid zone (Havel & Mattiske Consulting, 1998). <p>Hedde:</p> <ul style="list-style-type: none"> Lowdon Complex: mixture of an open forest of jarrah-marri, a low open forest of peppermint on the lower valley slopes, a woodland of E. rudis-M. raphiophylla along watercourses, and a wandoo woodland on the slopes (Hedde et al., 1980). 	<p>The purpose of clearing 0.6 ha of native vegetation is for dam construction. The vegetation is considered to be in a degraded (Keighery, 1994) condition.</p>	<p>Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)</p>	<p>The vegetation condition was assessed through aerial imagery.</p>

3. Assessment of application against clearing principles

Comments

The application to clear 0.6 ha of native vegetation in a degraded (Keighery, 1994) condition is for the purpose of constructing a dam.

The application area falls within a minor perennial watercourse. Given this, the native vegetation under application is growing within, or in associated with, a watercourse and is at variance to principle (f).

The removal of 0.6 ha of native vegetation associated with a watercourse may impact on surface water quality. This is likely to be short term and can be managed during works.

Given the small size of the proposed clearing, it is unlikely that the vegetation holds a high level of biodiversity, nor is it likely to impact upon flora and fauna of conservation significance in the local area. No priority of threatened ecological communities are known within the vicinity of the application area. Additionally, the proposed clearing is not likely to impact on ground water, or cause appreciable land degradation in the local area.

The assessment of the application found that the clearing is at variance to principle (f), may be at variance to principle (i) and is not likely to be at variance to the remaining principles.

Methodology Keighery (1994)

GIS databases:

- Clearing Regulations - Environmentally Sensitive Areas - 30 May 2005
- Hydrogeographic Catchments, Catchments - DoW 01/06/07
- Hydrogeology, statewide - DOW 13/07/06
- Hydrography, linear DOW 13/7/06
- Mattiske Vegetation Complexes (01/03/1998)
- Pre-European vegetation - DA 01/01
- SAC Biodatasets (Accessed 15 March 2012)

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

Comments

The applicant has advised that an application to construct a dam has been submitted to the Department of Water and is in the process of submitting an application to the Shire of Harvey.

Methodology

4. References

- Heddlé, 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.
- 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)