



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4513/1

File Number: 2011/006652-1

Duration of Permit: From 12 September 2011 to 12 September 2013

PERMIT HOLDER

Cotton Holdings Pty Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Lot 202 on Deposited Plan 111125

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.2 hectares of native vegetation within the area hatched yellow on attached Plan 4513/1.

CONDITIONS

Nil.

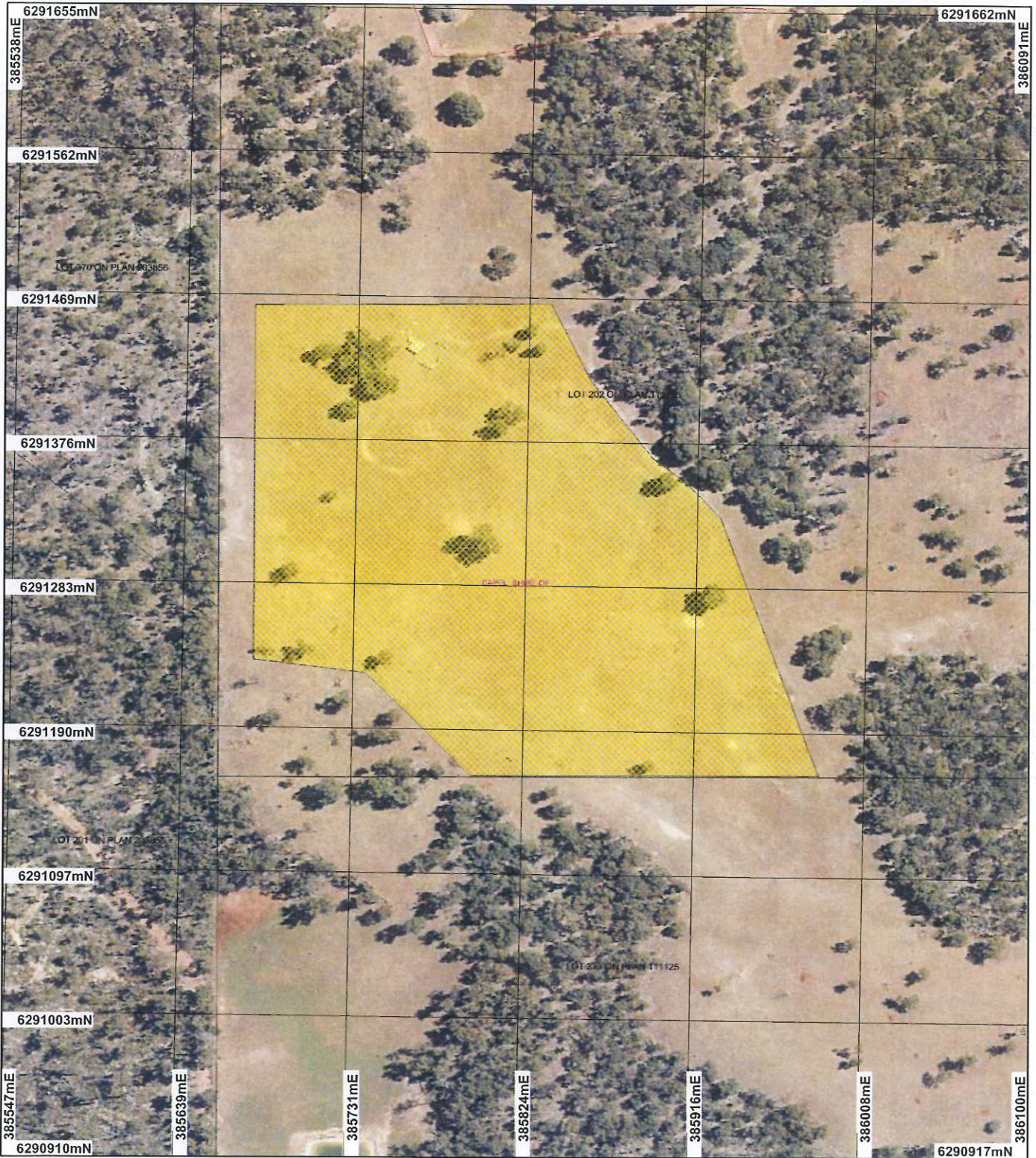
A handwritten signature in black ink, appearing to be "K Faulkner", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

18 August 2011

Plan 4513/1



LEGEND

Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Cadastre
- Cadastre for labelling

Local Government Authorities

Donnybrook 50cm
Orthomosaic - Landgate
2004



0 ————— 75 m

Scale 1:3275

(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 12/8/11

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.: 4513/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: Cotton Holdings Pty Ltd

1.3. Property details

Property: LOT 202 ON PLAN 111125 (GWINDINUP 6237)

Local Government Area: Shire of Capel

Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 18 August 2011

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 Associations: 1017 - Medium open woodland; jarrah & marri, with low woodland; banksia; 1185 - Medium woodland; jarrah, marri & blackbutt (Shepherd, 2009)	The application is to clear 0.2 ha of native vegetation for gravel extraction. The vegetation is considered to be in a degraded (Keighery, 1994) condition with limited understorey.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was assessed through aerial imagery.

3. Assessment of application against clearing principles

Comments

The application to clear up to 0.2 hectare of native vegetation for the purpose of gravel extraction is unlikely to have any significant environmental impacts. The vegetation is considered to be in a degraded (Keighery, 1994) condition comprising of limited understorey.

There are no declared rare flora species or threatened ecological communities in the vicinity of the application. The vegetation to be cleared is well represented in the local area, and would not have a detrimental impact on fauna.

The proposed clearing may cause some short term water quality issues in terms of localised surface water sedimentation and flooding during works. However, these issues should be minimised through site management practices.

The assessment of the application found that the clearing is not likely to be at variance to any of the principles.

Methodology Keighery (1994)

GIS databases:

- Clearing Regulations - Environmentally Sensitive Areas - 30 May 2005
- 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 1 August 2011)

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

Comments

The applicant has applied for an extractive industry licence with the Shire of Capel (DEC Ref: A419139).

4. References

- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western 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)