



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4586/1

File Number: 2011/008153-1

Duration of Permit: From 31 October 2011 to 31 October 2013

PERMIT HOLDER

Albert Charles, Ruby Louise, Robert Charles and Phyllis Esther Credaro

LAND ON WHICH CLEARING IS TO BE DONE

Lot 4079 on Deposited Plan 164510, Yelverton 6280

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than eight native trees within the area hatched yellow on attached Plan 4586/1.

CONDITIONS

Nil.

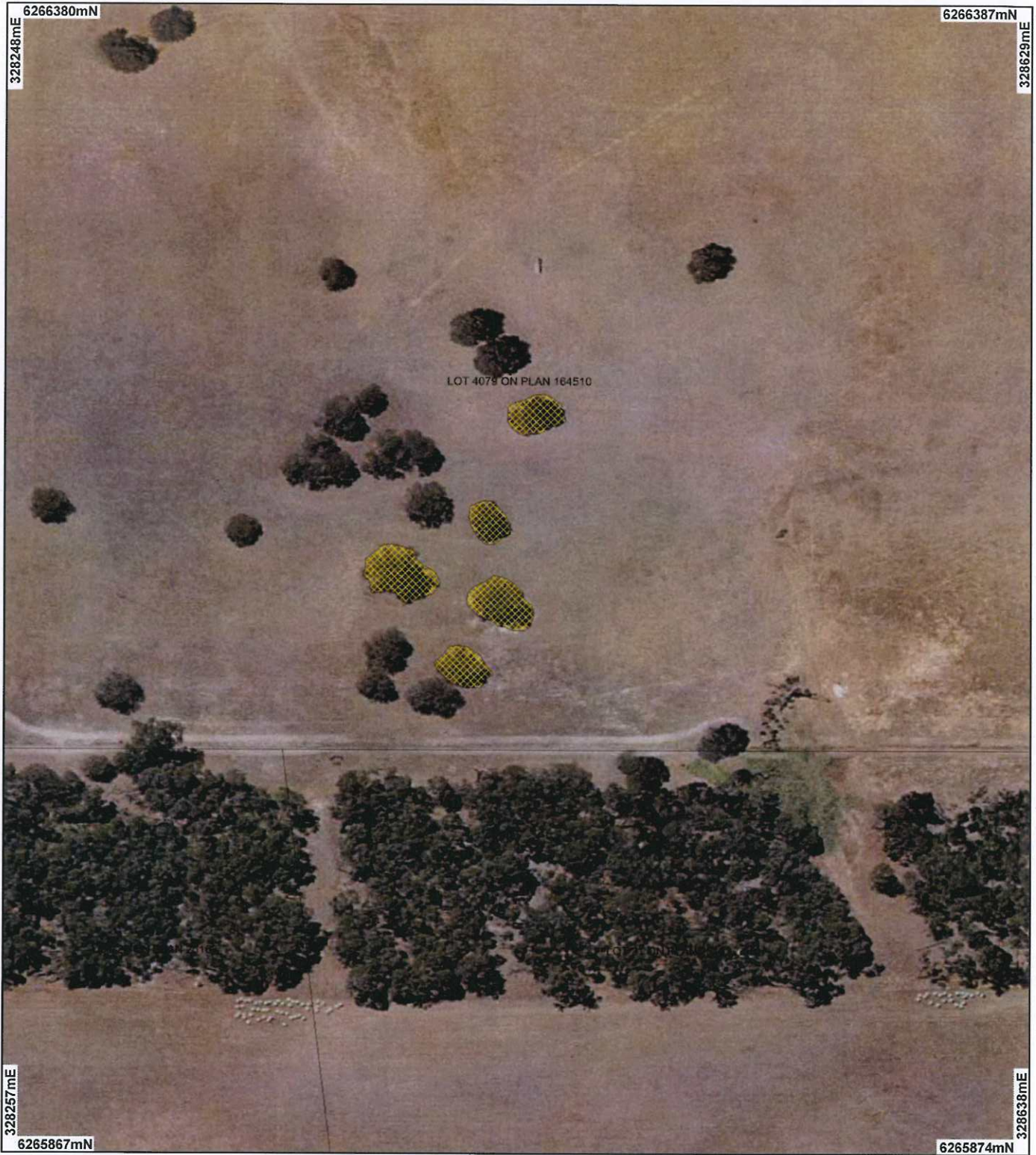
A handwritten signature in black ink, appearing to read 'K Faulkner', written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

6 October 2011

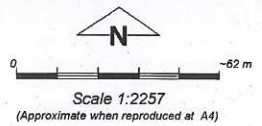
Plan 4586/1



LEGEND

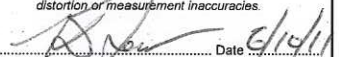
Clearing Instruments

-  Areas Applied to Clear
-  Areas Subject to Conditions
-  Areas Approved to Clear
-  Cadastre for labelling
-  Busselton 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 6/10/11
K Faulkner

Officer with delegated authority under Section 20 of the Environmental Protection Act 1985

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

Our environment, our future
WA Crown Copyright 2002



1. Application details

1.1. Permit application details

Permit application No.: 4586/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Albert Charles, Ruby Louise, Robert Charles and Ph Credaro

1.3. Property details

Property: LOT 4079 ON PLAN 164510 (Lot No. 4079 HAAG YELVERTON 6280)
Local Government Area: Shire of Busselton
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 6 October 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
Mapped Beard vegetation association 1181 is described as Medium woodland, jarrah & Eucalyptus haematoxylon (Whicher Range)(Shepherd, 2009).	This application proposes to clear native trees for the purpose of sand extraction.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was determined via digital imagery (Busselton 50 cm Orthomosaic ? Landgate 2007).

Mattiske vegetation complex - Yelverton (Y) is described as Woodland of *Allocauarina fraseriana*-*Nuytsia floribunda*-*Agonis flexuosa*-*Banksia attenuata* on slopes and open forest of *Corymbia calophylla*-*Eucalyptus patens*-*Eucalyptus marginata* subsp. *marginata* on the lower slopes and woodland of *Eucalyptus rudis*-*Melaleuca raphiophylla* on valley floors in the humid zone (Mattiske and Havel, 1998)

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**

This application proposes to clear 8 native trees within Lot 4079 on Deposited Plan 164510, Yelverton, for the purpose of sand extraction.

Within the local area (10km radius) seven fauna species listed as rare or likely to become extinct were identified: *Calyptorhynchus baudinii* (Baudin's Cockatoo), *Calyptorhynchus latirostris* (Carnaby's Cockatoo), *Dasyurus geoffroii* (Western Quoll, Chuditch), *Diomedea exulans* (Wandering Albatross), *Engaewa reducta* (Dunsborough Burrowing Crayfish), and *Pseudocheirus occidentalis* (Western Ringtail Possum). Given the small, degraded (Keighery, 1994) condition of the area under application it is not likely to contain significant habitat.

Within the local area (10 km radius) a total of 44 records of rare and priority flora have been identified, this includes 10 rare flora and 34 priority flora species. Given the application is restricted to 8 trees it is unlikely that rare or priority flora will be impacted by the proposed clearing.

The area under application is located within the Swan Coastal Plain Interim Biogeographic Regionalisation of Australia (IBRA) bioregion. This IBRA bioregion has approximately 39 per cent of its Pre European vegetation extent remaining (Shepherd, 2009).

The vegetation under application is mapped as Beard Vegetation Association 1181 which has approximately 38 per cent of its Pre European extent remaining in the Swan Coastal Plain bioregion (Shepherd, 2009). Given the proposed area under application is relatively small and in a degraded (Keighery, 1994) condition the vegetation proposed to be cleared is not considered to be a significant remnant when compared to representative vegetation in a local area.

Given the small area under application which is in a degraded (Keighery, 1994) condition it is unlikely to contain a high level of biodiversity, significant fauna habitat, or is it likely to cause appreciable land degradation or deteriorate the quality of surface or groundwater.

Therefore, the clearing as proposed is not likely to be at variance to any of the clearing principles.

Methodology References:
Keighery (1994)
Shepherd (2009)

GIS Database:
- SAC Biodatasets (accessed 12 September 2011)
- Pre-European Vegetation
- Matiske Vegetation Complexes
- Busselton 50cm Orthomosaic Landgate 2007

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

Comments

The Shire of Busselton (2011) issued a Permit to Commence: Extractive industry (sand) - Lot 4079 Haag Road, Yelverton on 8 February 2011.

Methodology Reference:
Shire of Busselton (2011)

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.
- Matiske, 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.
- Shire of Busselton (2011) Permit to Commence: Extractive Industry (Sand) - Lot 4079 Haag Road, Yelverton. (DEC Ref: A425302)

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)