



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: CPS 6255/1

Duration of Permit: From 16 May 2015 to 16 May 2017

PERMIT HOLDER

Brian Reginald Tyler

Theresa Helena Peeters

LAND ON WHICH CLEARING IS TO BE DONE

Lot 801 on Deposited Plan 54936, Hope Valley

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.57 hectares of native vegetation, within the area hatched yellow on attached Plan 6255/1.

CONDITIONS

Nil.

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

Jane Clarkson
ACTING SENIOR MANAGER
CLEARING REGULATION

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

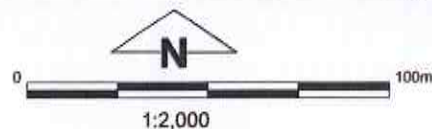
16 April 2015

Plan 6255/1



Legend

-  Roads
-  Cadastre
-  Imagery
-  Clearing Instruments Activities



(Approximate when reproduced at A4)
GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

J Clarkson Date 16.4.15
J Clarkson

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



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1. Application details

1.1. Permit application details

Permit application No.: 6255/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Brian Reginald Tyler and Theresa Helena Peeters

1.3. Property details

Property: LOT 801 ON PLAN 54936, HOPE VALLEY
Local Government Authority: City of Kwinana
DER Region: Swan

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.57		Mechanical Removal	Building or structure

1.5. Decision on application

Decision on Permit Application: Granted
Decision Date: 16 April 2015

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 6 is described as Medium woodland; tuart & jarrah (Shepherd et al 2001).	The application is to clear 0.57 hectares of native vegetation within Lot 801 on Deposited Plan 54936, Hope Valley, for the purpose of constructing a truck and trailer hardstand.	Good; Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 1994).	The condition of the vegetation was determined by aerial imagery.

3. Assessment of application against clearing principles

Comments The application is to clear 0.57 hectares of native vegetation within Lot 801 on Deposited Plan 54936, Hope Valley, for the purpose of constructing a truck and trailer hardstand.

The national objectives and targets for biodiversity conservation in Australia has a target to prevent clearance of ecological communities with an extent below 30 per cent of that present pre-1750, below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia, 2001). Within constrained areas (areas of urban development in cities and major towns) on the Swan Coastal Plain, the target for representation of the pre-clearing extent of a particular native vegetation complex is 10 per cent (EPA, 2006). The area under application is classified as a constrained area.

The City of Kwinana retains approximately 38 per cent (Government of Western Australia 2013) of the original vegetation extent and mapped Beard vegetation association 6 (Shepherd et al 2001) retains approximately 24 per cent (Government of Western Australia 2013) of the original vegetation extent, within the Swan Coastal Plain IBRA Bioregion. The local area retains approximately 40 per cent native vegetation.

Several species of rare and priority flora have been recorded within ten kilometres of the applied area. Of these, one rare flora species was recorded in the same soil and vegetation type. This species grows in shallow water and was recorded 2.5 kilometres south east in a winter wet swamp (Western Australian Herbarium 1998-). The application area does not have the required habitat to support this species.

The closest priority ecological community to the application area is the 'Northern Spearwood shrublands and woodlands' (priority 3) which is two kilometres west. The closest threatened ecological community is the 'Melaleuca huegellii - Melaleuca acerosa (currently M. systema) shrublands on limestone ridges', which is 2.6 kilometres south. The vegetation under application is not representative of these mapped communities.

Carnaby's cockatoo and forest red-tailed black cockatoo have been recorded within 10 kilometres of the

application area (Parks and Wildlife 2007-). The trees growing in the application area are not of an age to contain hollows that may be suitable for breeding by the black cockatoo species.

The soils within the area under application are part of the Spearwood Dune System and are described as brown sands with associated siliceous sands and leached sands (Northcote et al, 1960-68). These sandy soils have a high risk of wind erosion, however, given the intended land use is for a hardstand, it is unlikely to cause appreciable land degradation in the form of wind erosion.

The application area is 3.1 kilometres from the nearest mapped wetland, Forrestdale and Thomsons Lakes, and therefore is not likely to contain any riparian vegetation. Given the small size of the application area, it is unlikely for the proposed clearing to impact on nearby conservation areas, cause flooding or impact on water quality.

Given the above, the proposed clearing is not likely to be at variance to any of the clearing principles.

Methodology References:
Commonwealth of Australia (2001)
EPA (2006)
Government of Western Australia (2013)
Parks and Wildlife (2007 -)
Northcote et al (1960-68)
Western Australian Herbarium (1998-)

GIS Databases:
Aerial imagery
Hydrography, Linear
Pre-European Vegetation
IBRA WA (Regions - Sub Regions)
Soils, Statewide
SAC Biodatasets

Planning instruments and other relevant matters.

Comments The area under application is zoned Rural under the Metropolitan Region Scheme.

The City of Kwinana (2015) has granted planning approval for the hardstand under the Hope Valley Wattelup Redevelopment Act 2000.

No submissions have been received for this application to clear.

Methodology References:
City of Kwinana (2015)

GIS Databases:
Metropolitan Regional Scheme

4. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
City of Kwinana (2015) Planning and assessment advice. DER ref: A874891
Government of Western Australia (2013) 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, Perth.
Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
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.
Parks and Wildlife (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>, Accessed 24/10/2014
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.
Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Parks and Wildlife. <http://florabase.dpaw.wa.gov.au/> (Accessed 24/10/2014).