

# 1. Application details

1.1. Permit application de Permit application No.: Permit type:	etails 660/1 Area Permit	
1.2. Proponent details Proponent's name:	Kim George Smith	
1.3. Property details Property: Local Government Area: Colloquial name:	LOT 1678 ON PLAN 202987 (BO Shire Of Denmark Valley of the Giants Road - Hay Loo	
1.4. ApplicationClearing Area (ha)No. 132. Site Information	Trees Method of Clearing Mechanical Removal	For the purpose of: Extractive Industry

#### Existing environment and information 2.1.

# 2.1.1. Description of the native vegetation under application

The vegetation on site

#### **Vegetation Description Clearing Description**

**Beard Vegetation** Association 3 - Medium forest; jarrah-marri

Mattiske vegetation-

subsp. marginata-

Corymbia calophylla-

and perhumid zones.

matched the Beard description and comprised jarrah-marri-sheoak forest with an understorey of Keystone (Ky) Open forest snotty gobble, emu grass, of Eucalyptus marginata Banksia grandis and hakea sp. The area under application is 3ha of a Banksia grandis on mild much larger area of slopes of hills in perhumid vegetation (continuous with zone and open forest to tall Frankland State Forestopen forest of Eucalyptus proposed Walpole Wilderness area). brevistylis on slopes below outcrops in hyperhumid

# **Vegetation Condition**

**Excellent:** Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)

#### Comment

Vegetation type was determined at a site inspection on 21/6/05.

# Assessment of application against clearing principles

# (a) Native vegetation should not be cleared if it comprises a high level of biological diversity.

#### Comments Proposal is not at variance to this Principle

The area contains a level of biodiversity that is typical of the local area. The small area proposed to be cleared will not significantly impact on the biodiversity values of the Bioregion or local area. The proposal is not considered to be at variance with this Clearing Principle.

Methodology Site inspection (21/6/2005)

# (b) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of, a significant habitat for fauna indigenous to Western Australia.

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

A site inspection (DoE 21/6/05) indicated that the vegetation condition of the area under application ranges from 'excellent' to 'good' (Keighery 1994). The area proposed to be cleared is a small area of vegetation that is part of a much larger parcel. Given the small area proposed to be cleared it is considered that the impacts on Specially Protected or otherwise significant fauna would be minimal and not likely to be at variance with this Clearing Principle.

Methodology Site inspection DoE (21/6/05)

(c) Native rare flo	vegetation should not be ra.	cleared if it in	cludes, or is	necessary	or the continued	existence of,	
Comments	<b>Proposal is not likely to</b> The nearest recorded Decla not likely to be found in the variance with this Clearing F	ared Rare Flora is soil type present i	2km to the so	uth west of the			
Methodology	GIS Databases: Declared R	are and Priority F	lora List - CAL	M 13/08/03			
	vegetation should not be nance of a threatened ec			whole or a	part of, or is nece	essary for the	
Comments	<b>Proposal is not at variance to this Principle</b> The closest recorded Threatened Ecological Community (TEC) to the site is 9km to the south east (Showgrounds). The area under application is not likely to be a TEC and it is considered that the proposal is not at variance with the Clearing Principle.						
Methodology	GIS Databases: Threatened	d Ecological Comr	munities - CAL	M 15/07/03			
	vegetation should not be s been extensively cleare		significant a	as a remnant	t of native vegeta	tion in an area	
Comments	Proposal is not at variance to this PrincipleThe State Government is committed to the National Objectives Targets for Biodiversity Conservation which includes a target that prevents clearance of ecological communities with an extent below 30% of that present pre European (Department of Natural Resources and Environment 2002, EPA 2000). Known vegetation complexes it this application all have over 70% vegetation remaining (Shepherd et al 2001 and Mattiske Consulting 1998). Therefore the clearing as proposed is not considered at variance to this Principle. Pre-European CurrentPre-European CurrentRemaining Conservation% in						
	reserves/CALM-			%*			
	IBRA Bioregion-Warren Shire of Denmark	area (ha) 851,529 191,156	extent (ha) 739,273 159,071	% 86.3 83.2	status** Least concern Least concern	managed land	
	Mattiske Veg- Ky Beard veg type-3	14,750 3,046,385	12,476 2,197,837	84.6 72.1	Least concern Least concern	>15% 10.1***	
	* (Shepherd et al. 2001) ** (Department of Natural R *** The benchmark of 15% association 3 but has been	representation in	conservation r		S, 1997) has not bee	en met for vegetatio	
Methodology	Shepherd et al. (2001), Dep Consulting (1998).	partment of Natura	al Resources a	nd Environme	nt (2002), JANIS (19	97), Mattiske	
	vegetation should not be ated with a watercourse o		growing in,	or in associ	ation with, an env	vironment	
Comments	<b>Proposal is not at varia</b> There are two watercourses These flow to the east for 1. Estate (Tributary to Bow Riv 12.5km south east. The pro variance with this Clearing F	nce to this Prir s - minor perennia .5km to the Bow F ver). This is 3km t posed clearing wi	II, that run thro River. Part of th o the north eas	ne adjacent are st and Owingu	ea is on the Register p Swamp System (W	of the National /AR008WA) is	
Methodology	GIS Databases: - Hydrography, linear - DOE -ANCA Wetlands - CALM08 -Register of the National Es	8/01	3				
	vegetation should not be gradation.	cleared if the	clearing of t	he vegetatio	n is likely to caus	e appreciable	
Comments	Proposal is not likely to A desktop study by DAWA i such a small area with the e	ndicated that ther	e are no conc	erns about lan			
	related to this clearing prope						

-Groundwater Salinity - Superficial Aquifers - DOE 01/04/05 -Groundwater Salinity - Confined Aquifers - WRC 10/01 -Salinity Risk LM 25m - DOLA 00 -Salinity Monitoring LM 50m - DOLA 00

-Salinity Mapping LM 25m - DOLA 00

# (h) Native vegetation should not be cleared if the clearing of the vegetation is likely to have an impact on the environmental values of any adjacent or nearby conservation area.

# Comments Proposal is not at variance to this Principle

The nearest conservation area is the Frankland State Forest which is on the northern boundary. This area is part of the proposed Walpole Wilderness Area. The Walpole - Nornalup National Park is 3km to the south. The Gum Link Nature Reserve is 5km to the north east. The Quarram Nature Reserve is 7km to the south. The Mehinup Nature Reserve is 7km to the east and the Owingup Nature Reserve is 12.5km to the south east. Based on the small amount of vegetation expected to be cleared and management of surface water flow, there would be a negligible impact on neighbouring and surrounding CALM managed lands. The proposal is not at variance with the Clearing Principle.

# Methodology GIS Databases:

-CALM managed Lands and Water - CALM 01/06/04

# (i) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause deterioration in the quality of surface or underground water.

## Comments Proposal is not at variance to this Principle Proposed clearing is not expected to impact on groundwater tables and is not in a gazetted or proclaimed water catchment area. The proposal is not at variance with this Clearing Principle.

### Methodology GIS Database:

- Public Drinking Water Source Areas (PDWSA) - DoE 04/11/04

# (j) Native vegetation should not be cleared if clearing the vegetation is likely to cause, or exacerbate, the incidence or intensity of flooding.

## Comments Proposal is not at variance to this Principle

The area under application has an elevation of 55m and a gentle to moderate slope to the east towards the Bow River. It is considered that the proposed clearing will not have an impact on peak flood height or duration and is therefore not at variance with this Clearing Principle.

## Methodology Site inspection (DoE 21/6/05) GIS Database:

-Topographic contours, Statewide - DOLA 12/09/02

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

#### Comments

Methodology

The Shire of Denmark has raised no objections to the proposed clearing subject to the applicant obtaining an extractive industries license from the Local Authority (TRIM - AI749). Other submissions questioned the presence of tingle trees, the need for fencing and dieback management and staging and rehabilitation of the gravel extraction. There is no other RIWI Act Licence, Works Approval or EP Act Licence that will affect the area that has been applied to clear. The proposal is not at variance with any known planning instruments, previous EPA decisions or other matters. Shire of Denmark (TRIM ref AI749).

### 4. Assessor's recommendations

Purpose	Method	Applied area (ha)/ trees	Decision	Comment / recommendation
Extractive Industry	Mechanical Removal	3	Grant	It is recommended that the permit be granted as the proposal is either not likely or not at variance with the Clearing Principles. The applicant has committed to management strategies to mitigate impacts (surface water management). In addition, the proposed rehabilitation should mean that vegetation is restored in the medium to long term. The applicant has also committed to fence off a large area of vegetation to exclude stock.

# 5. References

DAWA Land degradation advice and assessment report. Office of the Commissioner of Soil and Land Conservation, Department of Agriculture Western Australia. DoE TRIM ref IN22800.

Department of Natural Resources and Environment (2002) Biodiversity Action Planning. Action planning for native biodiversity Page 3 at multiple scales ; catchment bioregional, landscape, local. Department of Natural Resources and Environment, Victoria.

- JANIS Forests Criteria (1997) Nationally agreed criteria for the establishment of a comprehensive, Adequate and Representative reserve System for Forests in Australia. A report by the Joint ANZECC/MCFFA National Forest Policy Statement Implementation Sub-committee. Regional Forests Agreement process. Commonwealth of Australia, Canberra.
- Keighery, BJ (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Mattiske Consulting (1998) Mapping of vegetation complexes in the South West forest region of Western Australia, CALM. Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.

# 6. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management
DAWA	Department of Agriculture
DEP	Department of Environmental Protection (now DoE)
DoE	Department of Environment
DolR	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 DoE)