



1. Application details

1.1. Permit application details

Permit application No.: 2656/1

Permit type: Area Permit

1.2. Proponent details

Proponent's name: Serpentine Jarrahdale Shire

1.3. Property details

Property: ROAD RESERVE (OAKFORD 6121)

Local Government Area: City Of Armadale & Shire Of Serpentine-Jarrahdale

Colloquial name: Rowley Road Reserve

1.4. Application

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

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
Bassendean Complex-Central And\South	Vegetation to be cleared for road widening was limited to 35 native trees including <i>Eucalyptus rudis</i> , <i>Melaleuca Rhaphiophylla</i> and non-native Eucalypts over an understorey of weeds.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	Vegetation clearing description is based on information obtained during a site inspection undertaken on 25 August 2008.
Beermullah Complex			

3. Assessment of application against clearing principles

The vegetation within the area under application comprises sparse scattered trees over weeds within the Rowley Road Reserve and therefore the area under application is not considered likely to comprise a high level of biological diversity.

There are number of conservation significant fauna within the local area (~5km radius). The closest known recorded species is the Quenda (priority 4) approximately 1km south of the area under application. Given that the areas under application are in completely degraded condition the area under application is not considered likely to provide suitable habitat for ground dwelling fauna such as the Quenda nor significant habitat for fauna.

The closest known population of rare flora within the local area (~5km radius) is *Diuris micrantha* is known to occur approximately 1.8km from the areas under application. Although it occurs in a similar soil type to the western portion of the area under application it is considered unlikely to be found within the road reserve due to heavy competition from weed species.

The closest known TEC in the local area is 'Herb Rich Shrublands in Clay Pans' with the floristic community type 8 located 1.8km north of the area under application. Given that the vegetation in the areas under application comprises individual trees over weeds only it is not considered likely that the areas under application would comprise or be necessary for the maintenance of a threatened ecological community.

As the areas under application are limited to 35 trees in total and in completely degraded condition the area under application is not considered likely to be significant as a remnant of native vegetation.

The area under application is mapped as a multiple use wetland and there area a number of conservation category wetlands within the local area (~5km) the closest being located ~120 metres to the south. The vegetation under application includes wetland dependant vegetation within in a multiple use wetland so may be at variance with principle (f).

The soil type mapped within the area under application is Bassendean dune sands in the west and heavier Pinjarra Plain soils to the east. (State of Western Australia, 2005). The main land degradation risk with the identified soil type is wind erosion in the Bassendean phase and water erosion within the Pinjarra Plain system.

Given that the areas under application are limited to 35 trees in total it is not considered likely that the areas under application would cause appreciable land degradation through wind or water erosion or cause deterioration in surface or underground water quality. The limited clearing is not considered likely to have an impact on peak flood height or duration

Methodology State of Western Australia (2005)
GIS Databases:
-Hedde Vegetation Complexes
-Pre-European Vegetation
-Geomorphic Wetlands (Classification), Swan Coastal Plain
-Hydrography, linear (hierarchy)

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

The road reserve forms the boundary of City of Armadale and Shire of Serpentine Jarrahdale however an agreement between the two shires means the Shire of Serpentine Jarrahdale is responsible for the maintenance and upgrades to the road.

One submission (2008) was received regarding the proposed clearing. The submission from the Roadside Conservation Committee advised the proposed clearing would be unlikely to affect the ability or likelihood of animals using the area under application as a corridor or as habitat.

There is no other RIWI Act Licence, Works Approval or EP Act Licence that affects the area under application.

Methodology Submission (2008)

4. Assessor's comments

Comment

The assessable criteria have been addressed and the proposed clearing may be at variance to principle (f)

5. 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., 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.

State of Western Australia (2005) Agmaps Land Manager CD Rom.

Submission (2008). Roadside Conservation Committee Re: Clearing permit application CPS 2656 (TRIM Ref DOC61619)

6. 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)