



1. Application details

1.1. Permit application details

Permit application No.: 2320/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Busselton

1.3. Property details

Property: ROAD RESERVE (WONNERUP 6280)
ROAD RESERVE (WONNERUP 6280)
ROAD RESERVE (WONNERUP 6280)
ROAD RESERVE (WONNERUP 6280)

Local Government Area: Shire Of Busselton
Colloquial name: Layman Road Reserve

1.4. Application

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

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: - Unit 37 (Spearwood): Shrublands; tea-tree thicket; - Unit 125 (Spearwood): Bare areas; salt lake; - Unit 676 (Spearwood): Succulent steppe; samphire; (Hopkins et al., 2001; Shepherd, 2006).	The proposal involves clearing approximately 0.04 hectares of isolated (road side), coastal shrubs for the purpose of extending an existing footpath.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	Description of the clearing application area is based on site inspection conducted by DEC officers on 13 February 2008.

Mattiske:

- Quindalup Dry (QD): No
description available.
(Havel & Mattiske, 1998).

3. 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 proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

Given the application comprises the odd coastal shrub in a completely degraded road verge, the proposed clearing does not hold a high level of biological diversity, and is therefore not at variance to this Principle.

Methodology

Keighery (1994);

GIS Databases:

- CALM Managed Lands and Waters - CALM 1/6/04;
- Environmentally Sensitive Areas - DoE 30/5/05;
- Busselton 50cm ORTHOMOSAIC - DLI04

(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 at variance to this Principle

The proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

There are several records of threatened and priority listed fauna within close proximity to the area under application (10 km radius); however given the condition of the vegetation under application the proposal is not considered significant habitat for fauna indigenous to Western Australia and is therefore not at variance to this Principle.

Methodology Keighery (1994);

GIS Databases:

- Threatened Fauna, SAC Bio Dataset - 22/8/07
- CALM Managed Lands and Waters - CALM 1/6/04;
- Busselton 50cm ORTHOMOSAIC - DLI04

(c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, rare flora.

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

The proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

There are several records of declared rare and priority listed taxa within close proximity to the area under application (10 km radius); however given the condition of the vegetation under application the proposed clearing is unlikely to be necessary for the continued existence of rare flora, and is therefore not likely to be at variance to this Principle.

Methodology GIS Databases:

- DEFL, SAC Bio Dataset - 22/8/07;
- Busselton 50cm ORTHOMOSAIC - DLI04

(d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community.

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

The proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

There are numerous records of threatened and priority ecological communities within 10 kilometres; however given the condition of the vegetation under application the proposed clearing is not likely to be necessary for the maintenance of a significant ecological community, and is therefore not likely to be at variance to this Principle.

Methodology GIS Databases:

- TEC Database, SAC Bio Dataset - 22/8/07;
- Threatened Ecological Communities - CALM

(e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.

Comments Proposal is not at variance to this Principle

Pre-European	Current extent (ha)	Remaining %	% in reserves/DEC-managed land	area (ha)
IBRA Region:				
- Swan Coastal Plain	1,501,211	579,227	38.6*	24.1
Local Government Authority:				
- Shire of Busselton	145,239	61,780	42.5*	17.6
Vegetation type:				
Beard:				
- Unit 37 (Spearwood)	39,384	22,849	58.0*	17.6
- Unit 125 (Spearwood)	3,489,884	3,286,304	94.2*	7.0
- Unit 676 (Spearwood)	2,063,387	1,958,158	94.9*	11.3

* (Shepherd, 2006)

The area under application is located in the Shire of Busselton on the Swan Coastal Plain, which retain approximately 42.5% and 38.6% (Shepherd, 2006), respectively of the pre-clearing extent.

Given the scale (0.04 hectares) and condition of the vegetation, the area under application is not considered significant remnant vegetation within the Greater Busselton area, and is therefore not at variance to this Principle.

Methodology Shepherd (2006);

GIS databases:

- Interim Biogeographic Regionalisation of Australia - EM 18/10/00;
- Pre-European Vegetation - DA 01/01;
- Local Government Authorities - DLI 8/7/04

(f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.

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

The area under application is not associated with a watercourse or wetland and is therefore not at variance to this Principle.

Methodology GIS Databases:

- Hydrography, Linear - DoE 1/2/04;
- Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain
- Busselton 50cm ORTHOMOSAIC - DLI04

(g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.

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

Given the scale (0.04 hectares) and completely degraded condition; the proposed clearing is not likely to cause appreciable land degradation and therefore is not likely to be at variance to this Principle.

Methodology GIS Databases:

- Salinity Risk LM25m - DOLA 00;
- Hydrogeology, Statewide - DoW;
- Groundwater Salinity, Statewide - DoW

(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 likely to be at variance to this Principle**

The area under application lies adjacent to an unofficial reserve (Baudin Reserve); however given the scale (0.04 hectares) and completely degraded condition, the proposed clearing is not likely to impact on the environmental values of any nearby areas managed for conservation.

Methodology GIS Databases:

- Register of National Estate - EA 28/01/03;
- CALM Managed Lands and Waters - CALM 1/07/05

(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 likely to be at variance to this Principle**

Given the scale (0.04 hectares) and completely degraded condition; the proposed clearing is not likely to cause deterioration in the quality of surface or underground water and is therefore not likely to be at variance to this Principle.

Methodology GIS Databases:

- Hydrographic Catchments, Catchments - DoW;
- Topographic Contours, Statewide - DOLA 12/9/02;
- Groundwater Salinity, Statewide - DoW;
- Hydrogeology, Statewide - DoW

(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 likely to be at variance to this Principle

Given the completely degraded condition and distance to the coast (approximately 80 metres), the proposed clearing is unlikely to cause or exacerbate the incidence or intensity of flooding and is therefore not likely to be at variance to this clearing principle.

Methodology GIS Databases:

- CALM Managed Lands and Waters - CALM 1/07/05;
- Topographic Contours, Statewide - DOLA 12/9/02

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

Comments

There are two native title claims over the area under application (Harris Family and South West Boorah); however the granting of a clearing permit is a secondary approval and does not constitute a future act under the Native Title Act 1993.

Public submission (2008) has no objections to the proposal, providing the proposal is for the minimum area needed to complete the works.

Methodology Public submission (2008);

GIS Databases:

- Native Title Claims - DLI 7/11/05

4. Assessor's comments

Purpose	Method	Applied area (ha)/ trees	Comment
Building or Structure	Mechanical Removal	0.04	The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is not or is not likely to be at variance to all ten clearing Principles.

5. References

- DEC Site Visit (2007). Site Inspection Report, Department of Environment and Conservation (DEC). Bunbury, Western Australia. TRIM Ref: DOC47401.
- Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.
- Keighery, B.J. (1994). Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Public submission (2008). TRIM Ref: DOC46976.
- Sac Bio Datasets (22/8/07). Department of Environment and Conservation, Sac Bio Datasets, Kensington, Western Australia.
- Shepherd, D.P. (2006). 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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

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)



1. Application details

1.1. Permit application details

Permit application No.: 2320/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: **Shire of Busselton**
Postal address: Locked Bag 1 Busselton WA 6280
Contacts: Phone: 9781 0379
Fax: 9752 4958
Email: NEEMA.PREMJI@BUSSELTON.WA.GOV.AU

1.3. Property details

Property: ROAD RESERVE (WONNERUP 6280)
ROAD RESERVE (WONNERUP 6280)
ROAD RESERVE (WONNERUP 6280)
ROAD RESERVE (WONNERUP 6280)
Colloquial name: Layman Road Reserve

1.4. Application

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

2. Background

2.1. History (including previous clearing permits, compensation paid, caveats on title deeds etc.)

Date	Comments
26 February 2008	Email received from Vasse-Wonnerup LCDC - no objections. (TRIM Ref: DOC46976)
13 February 2008	Confirmation of redigitised map received from Bret Howson (Project Manager). TRIM ref DOC46434.
13 February 2008	Site inspection conducted by Daniel Hartnup and Fiona Bujok (DEC). TRIM Ref: DOC47401.
12 February 2008	Nicky Smyth (NVCB) emailed Neema Premji (Shire of Busselton) with the amended digitised map, and asked her to confirm if the area was correct by email.
12 February 2008	Emailed received from Bret Howson (Project Manager) confirming area digitised is incorrect. Fiona Bujok (DEC) informed Bret that Head Office had been notified of the change and a new map should be sent out to them soon. TRIM ref DOC46430.
08 February 2008	Brett Howson (Shire of Busselton) contacted Fiona Bujok (DEC) to inform her the area digitised on the map sent to him is incorrect and should only be the coastal side of the road and there is no vegetation needed to be cleared in the area across from the existing houses. Brett asked how long it will be before a decision is made, this project is linked to funding and the works need to be completed by end of March for an end of April audit. Fiona informed Brett that they had only just been notified of the application so she was unable to provide timeframes at this stage but will note the Shire's timeframes and reminded Brett of the 28day appeal period. Fiona said she would aim to get back to him soon in regards to whether a site visit is required when she had a chance to look at the application. Fiona sent email to Lisa Parkin (NVCB Central Branch) and NVP of correction of applied area. TRIM ref DOC46429.
04 February 2008	Due to NVC Branch: 19/02/2008
31 January 2008	Application Accepted. Advertised 04 February 2008.
30 January 2008	Payment Received for \$50.00 Receipt Number039533 on the 16/1/2008

2.2. Existing environment and information

2.2.1. Description of the native vegetation under application

Vegetation Description	Clearing Description	Vegetation Condition	Comment
Beard: - Unit 37 (Spearwood): Shrublands; tea-tree thicket; - Unit 125 (Spearwood): Bare areas; salt lake; - Unit 676 (Spearwood): Succulent steppe; samphire; (Hopkins et al., 2001; Shepherd, 2006).	The proposal involves clearing approximately 0.04 hectares of isolated (road side), coastal shrubs for the purpose of extending an existing footpath.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	Description of the clearing application area is based on site inspection conducted by DEC officers on 13 February 2008.
Mattiske: - Quindalup Dry (QD): No description available. (Havel & Mattiske, 1998).			

2.2.2. Items of interest

Theme	Value	Within meters
ANCA, Wetlands	Vasse-Wonnerup Wetland System	5000
Acid Sulfate Soil Risk Map, Swan Coastal Plain	1	
CALM Managed Lands and Waters		1000
Clearing Regulations - Environmentally Sensitive Areas	7447	
Declared Rare and Priority Flora List	CC	10000
Declared Rare and Priority Flora List	LFC	10000
Declared Rare and Priority Flora List	MRD	10000
Declared Rare and Priority Flora List	MWA	10000
Declared Rare and Priority Flora List	PRI	10000
Declared Rare and Priority Flora List	RAI	10000
Declared Rare and Priority Flora List	SHI	10000
Declared Rare and Priority Flora List	UNK	10000
Declared Rare and Priority Flora List	WAT	10000
Declared Rare and Priority Flora List	WRC	10000
Declared Rare and Priority Flora List		10000
EPP, Lakes	1110	5000
Environmental Impact Assessments	level of assessment not set - currently being filtered	
Environmental Impact Assessments	s48A - Scheme Not Assessed (no appeals)	
Geomorphic Wetlands (Classification), Swan Coastal Plain	Basin	1000
Hydrographic Catchments - Catchments	Vasse Wonnerup Estuary	
Hydrographic Catchments - Catchments	_Coastal	
Interim Biogeographic Regionalisation of Australia	Swan Coastal Plain	
Local Government Authorities	SHIRE OF BUSSELTON	
Mattiske Vegetation	QD	
Mattiske Vegetation	Qwy	
Native Title Claims	HARRIS FAMILY	
Native Title Claims	SOUTH WEST BOOJARAH	
Pre-European Vegetation	125	
Pre-European Vegetation	37	
Pre-European Vegetation	676	
RAMSAR, Wetlands	Vasse-Wonnerup System	5000
System 1 to 5 and 7 to 12 Areas	General	1000
System 1 to 5 and 7 to 12 Areas	Geographe Bay Coast	1000
System 1 to 5 and 7 to 12 Areas	Vasse and Wonnerup Estuaries	1000
Threatened Ecological Communities	157	10000
Threatened Ecological Communities	158	10000
Threatened Ecological Communities	159	10000
Threatened Ecological Communities	244	10000
Threatened Ecological Communities	288	10000
Threatened Ecological Communities	289	10000
Threatened Ecological Communities	290	10000
Threatened Ecological Communities	291	10000
Threatened Ecological Communities	341	10000
Threatened Plant Communities	170	10000
Threatened Plant Communities	198	10000
Threatened Plant Communities	206	10000

3. Permit assessment activities

Date	Activity	Comment	Trim Ref.
22 January 2008	Application received		
22 January 2008	Application received		
30 January 2008	Application received		
31 January 2008	Accepted for assessment		
13 February 2008	Site Visit	Site visit conducted by Daniel Hartnup and Fiona Bujok (DEC, NVC, Bunbury). The applicant was not present.	DOC47401
20 February 2008	Direct Interest Letter Sent	Letter sent to GeoCatch.	DOC46420
20 February 2008	Direct Interest Letter Sent	Letter sent to Vasse Wonnerup LCDC.	DOC46421
04 March 2008	Under assessment		

4. 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 proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

Given the application comprises the odd coastal shrub in a completely degraded road verge, the proposed clearing does not hold a high level of biological diversity, and is therefore not at variance to this Principle.

Methodology Keighery (1994);

GIS Databases:

- CALM Managed Lands and Waters - CALM 1/6/04;
- Environmentally Sensitive Areas - DoE 30/5/05;
- Busselton 50cm ORTHOMOSAIC - DLI04

Officer Daniel Hartnup

(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 at variance to this Principle

The proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

There are several records of threatened and priority listed fauna within close proximity to the area under application (10 km radius); however given the condition of the vegetation under application the proposal is not considered significant habitat for fauna indigenous to Western Australia and is therefore not at variance to this Principle.

Methodology Keighery (1994);

GIS Databases:

- Threatened Fauna, SAC Bio Dataset - 22/8/07
- CALM Managed Lands and Waters - CALM 1/6/04;
- Busselton 50cm ORTHOMOSAIC - DLI04

Officer Daniel Hartnup

(c) Native vegetation should not be cleared if it includes, or is necessary for the continued existence of, rare flora.

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

The proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

There are several records of declared rare and priority listed taxa within close proximity to the area under application (10 km radius); however given the condition of the vegetation under application the proposed clearing is unlikely to be necessary for the continued existence of rare flora, and is therefore not likely to be at variance to this Principle.

Methodology GIS Databases:

- DEFL, SAC Bio Dataset - 22/8/07;
- Busselton 50cm ORTHOMOSAIC - DLI04

Officer Daniel Hartnup

(d) Native vegetation should not be cleared if it comprises the whole or a part of, or is necessary for the maintenance of a threatened ecological community.

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

The proposal is for the clearing of approximately 0.04 hectares for the purpose of extending an existing footpath. The vegetation under application is considered to be completely degraded (Keighery, 1994).

There are numerous records of threatened and priority ecological communities within 10 kilometres; however given the condition of the vegetation under application the proposed clearing is not likely to be necessary for the maintenance of a significant ecological community, and is therefore not likely to be at variance to this Principle.

Methodology GIS Databases:

- TEC Database, SAC Bio Dataset - 22/8/07;
- Threatened Ecological Communities - CALM

Officer Daniel Hartnup

(e) Native vegetation should not be cleared if it is significant as a remnant of native vegetation in an area that has been extensively cleared.

Comments Proposal is not at variance to this Principle

Pre-European	Current extent (ha)	Remaining %	% in reserves/DEC-	area (ha)
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managed land

IBRA Region:				
- Swan Coastal Plain	1,501,211	579,227	38.6*	24.1
Local Government Authority:				
- Shire of Busselton	145,239	61,780	42.5*	17.6
Vegetation type:				
Beard:				
- Unit 37 (Spearwood)	39,384	22,849	58.0*	17.6
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* (Shepherd, 2006)

The area under application is located in the Shire of Busselton on the Swan Coastal Plain, which retain approximately 42.5% and 38.6% (Shepherd, 2006), respectively of the pre-clearing extent.

Given the scale (0.04 hectares) and condition of the vegetation, the area under application is not considered significant remnant vegetation within the Greater Busselton area, and is therefore not at variance to this Principle.

Methodology Shepherd (2006);

GIS databases:

- Interim Biogeographic Regionalisation of Australia - EM 18/10/00;
- Pre-European Vegetation - DA 01/01;
- Local Government Authorities - DLI 8/7/04

Officer Daniel Hartnup

(f) Native vegetation should not be cleared if it is growing in, or in association with, an environment associated with a watercourse or wetland.

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

The area under application is not associated with a watercourse or wetland and is therefore not at variance to this Principle.

Methodology GIS Databases:

- Hydrography, Linear - DoE 1/2/04;
- Geomorphic Wetlands (Mgt Categories), Swan Coastal Plain
- Busselton 50cm ORTHOMOSAIC - DLI04

Officer Daniel Hartnup

(g) Native vegetation should not be cleared if the clearing of the vegetation is likely to cause appreciable land degradation.

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

Given the scale (0.04 hectares) and completely degraded condition; the proposed clearing is not likely to cause appreciable land degradation and therefore is not likely to be at variance to this Principle.

Methodology GIS Databases:

- Salinity Risk LM25m - DOLA 00;
- Hydrogeology, Statewide - DoW;
- Groundwater Salinity, Statewide - DoW

Officer Daniel Hartnup

(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 likely to be at variance to this Principle**

The area under application lies adjacent to an unofficial reserve (Baudin Reserve); however given the scale (0.04 hectares) and completely degraded condition, the proposed clearing is not likely to impact on the environmental values of any nearby areas managed for conservation.

Methodology GIS Databases:

- Register of National Estate - EA 28/01/03;
- CALM Managed Lands and Waters - CALM 1/07/05

Officer Daniel Hartnup

(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 likely to be at variance to this Principle**
Given the scale (0.04 hectares) and completely degraded condition; the proposed clearing is not likely to cause deterioration in the quality of surface or underground water and is therefore not likely to be at variance to this Principle.

Methodology GIS Databases:
- Hydrographic Catchments, Catchments - DoW;
- Topographic Contours, Statewide - DOLA 12/9/02;
- Groundwater Salinity, Statewide - DoW;
- Hydrogeology, Statewide - DoW

Officer Daniel Hartnup

(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 likely to be at variance to this Principle**
Given the completely degraded condition and distance to the coast (approximately 80 metres), the proposed clearing is unlikely to cause or exacerbate the incidence or intensity of flooding and is therefore not likely to be at variance to this clearing principle.

Methodology GIS Databases:
- CALM Managed Lands and Waters - CALM 1/07/05;
- Topographic Contours, Statewide - DOLA 12/9/02

Officer Daniel Hartnup

Planning instrument, Native Title, RIWI Act Licence, EP Act Licence, Works Approval, Previous EPA decision or other matter.

Comments
There are two native title claims over the area under application (Harris Family and South West Boojarah); however the granting of a clearing permit is a secondary approval and does not constitute a future act under the Native Title Act 1993.

Public submission (2008) has no objections to the proposal, providing the proposal is for the minimum area needed to complete the works.

Methodology Public submission (2008);

GIS Databases:
- Native Title Claims - DLI 7/11/05

Officer Daniel Hartnup

5. Assessor's recommendations

Purpose	Method	Applied area (ha)/ trees	Decision	Comment / recommendation
Building or Structure	Mechanical Removal	0.04	Grant	The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is not or is not likely to be at variance to all ten clearing Principles.

6. References

DEC Site Visit (2007). Site Inspection Report, Department of Environment and Conservation (DEC). Bunbury, Western Australia. TRIM Ref: DOC47401.

Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.

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

Public submission (2008). TRIM Ref: DOC46976.

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Shepherd, D.P. (2006). 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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

