



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5392/1
Permit Holder:	Department of Environment and Conservation
Duration of Permit:	15 February 2013 – 15 February 2018

The Permit Holder is authorised to clear native vegetation subject to the following conditions of this Permit.

PART I – CLEARING AUTHORISED

1. Purpose for which clearing may be done

Clearing for the purpose of completing the Munda Bididi trail between Denmark and Walpole.

2. Land on which clearing is to be done

Lot 7622 on Plan 14650 – Reserve 39727 (Ocean Beach)
Hodgsons Road reserve (Scotsdale, PIN 11748187 and 11647462)
Roberts Road reserve (Shadforth, PIN 11746164)
View Road reserve (Shadforth, PIN 11647462)
South Coast Highway road reserve (Ocean Beach, Shadforth and William Bay, PINs 1152827, 11774438 and 11748196)
Unnamed road reserve (Shadforth, PIN 11748199)

3. Area of Clearing

The Permit Holder must not clear more than 0.65 hectares of native vegetation within the areas cross hatched yellow on attached Plan 5392/1a and Plan 5392/1b.

4. Application

This Permit allows the Permit Holder to authorise persons, including employees, contractors and agents of the Permit Holder, to clear native vegetation for the purposes of this Permit subject to compliance with the conditions of this Permit and approval from the Permit Holder.

5. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

6. Dieback and weed control

When undertaking any clearing or other activity authorised under this Permit, the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds* and *dieback*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) shall only move soils in *dry conditions*;
- (c) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (d) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

DEFINITIONS

The following meanings are given to terms used in this Permit:

dieback means the effect of *Phytophthora* species on native vegetation;

dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

fill means material used to increase the ground level, or fill a hollow;

mulch means the use of organic matter, wood chips or rocks to slow the movement of water across the soil surface and to reduce evaporation; and

weed/s means any plant -

- (a) that is declared under section 37 of *Agriculture and Related Resources Protection Act 1976*; or
- (b) published in the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

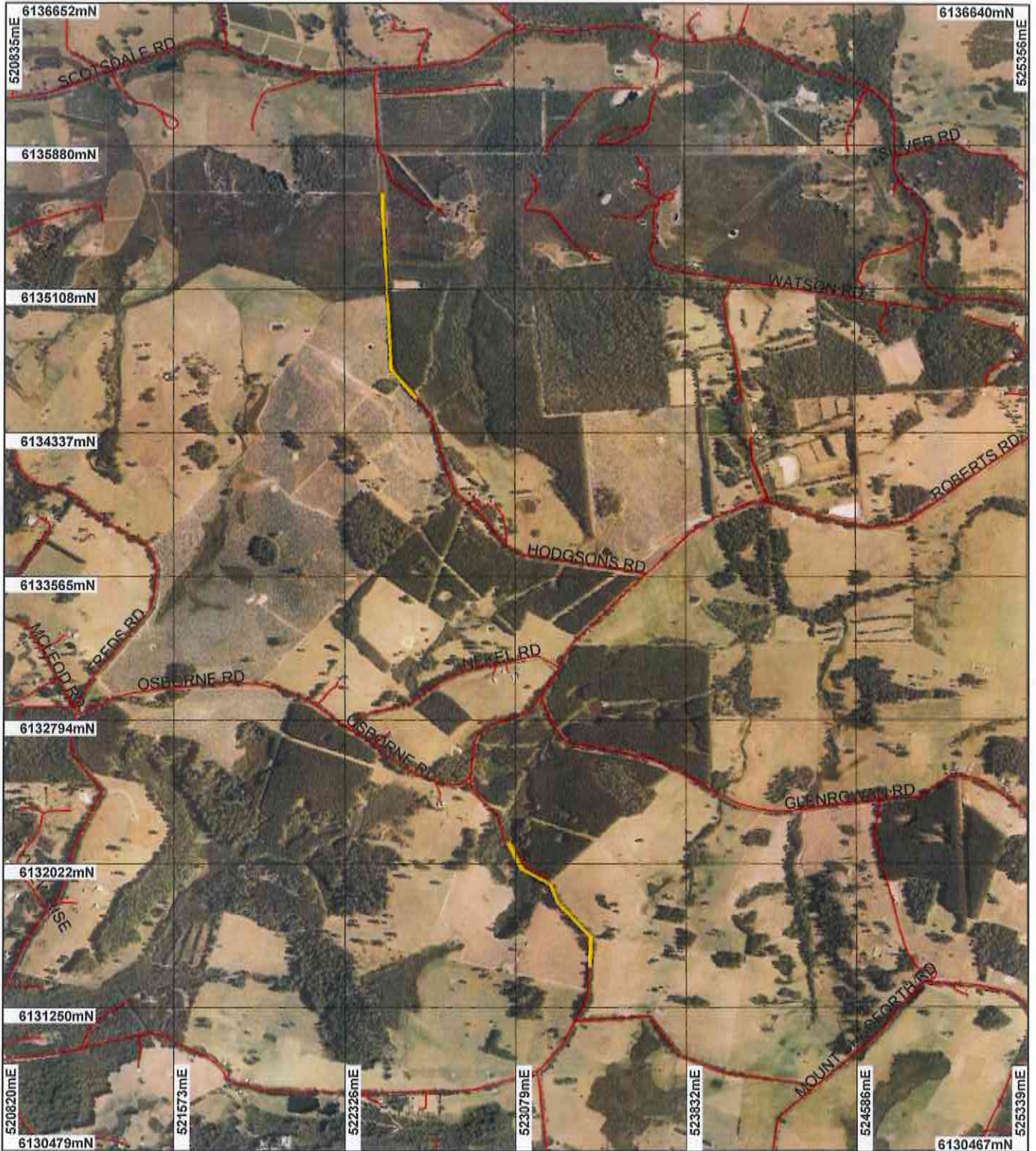


M Warnock
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

24 January 2013

Plan 5392/1a



LEGEND

-  Road Centrelines
-  Clearing Instruments
-  Areas Approved to Clear
-  Denmark 50cm Orthomosaic - Landgate 2007



Scale 1:27049
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

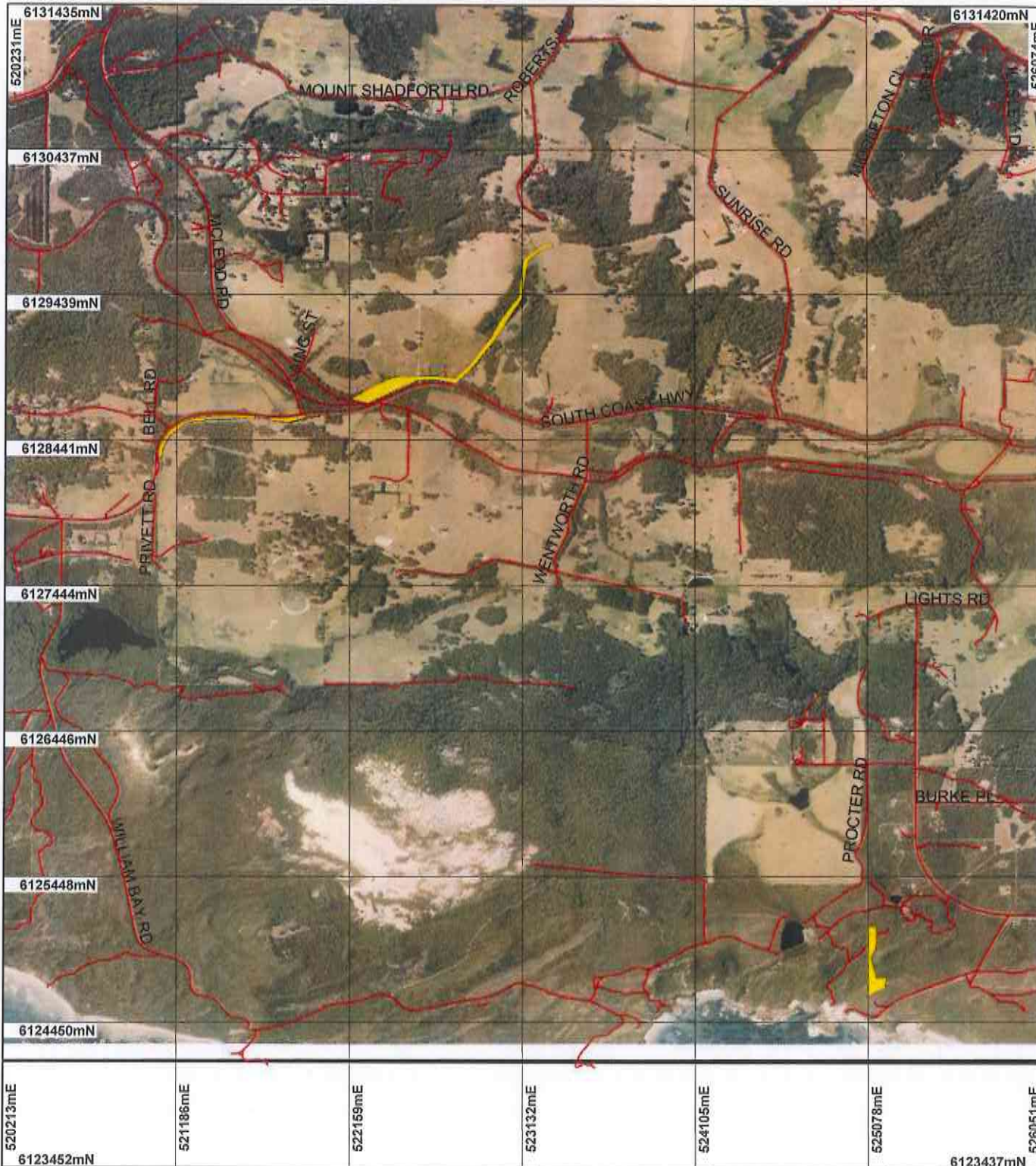
M Warnock Date: 24/1/13
M Warnock

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



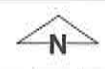
* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.

Plan 5392/1b



LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Denmark 50cm Orthomosaic - Landgate 2007



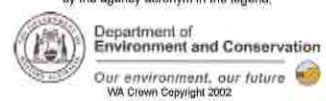
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Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

M Warnock Date 24/1/13
M Warnock

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 5392/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Department of Environment and Conservation

1.3. Property details

Property: LOT 7622 ON PLAN 14650 (Lot No. 7622 LIGHTS OCEAN BEACH 6333)
ROAD RESERVE (WILLIAM BAY 6333)
ROAD RESERVE (WILLIAM BAY 6333)
ROAD RESERVE (SHADFORTH 6333)
ROAD RESERVE (OCEAN BEACH 6333)
ROAD RESERVE (SHADFORTH 6333)
ROAD RESERVE (SHADFORTH 6333)
ROAD RESERVE (SCOTSDALE 6333)
ROAD RESERVE (SCOTSDALE 6333)
Local Government Area: Shire of Denmark
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.65		Mechanical Removal	Recreation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 24 January 2013

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 3: Medium forest; jarrah-marri (Shepherd et al, 2001)	The application is to clear 0.65 hectares of native vegetation within Reserve 39727, Hodgeson Road, Roberts Road, View Road, Unnamed Road and South Coast Highway road reserves for the purpose of completing the Munda Biddi trail between Denmark and Walpole.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation under application was obtained from aerial photography (Denmark 50cm Orthomosaic - Landgate 2007) and photographs within the clearing permit application.
Mapped Beard vegetation association 1: Tall forest; karri (Eucalyptus diversicolor) (Shepherd et al, 2001)		To	
Mapped Beard vegetation association 423: Shrublands; Acacia scrub-heath unknown spp (Shepherd et al, 2001)	The vegetation under application is in a degraded to good (Keighery, 1994) condition with numerous weed species such as blackberry along the proposed trail alignments.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	
Mattiske vegetation complex Fernley (F): Mixture of woodland of Eucalyptus megacarpa, woodland of Eucalyptus patens, tall shrubland of Myrtaceae spp. with some sedgeland of Anarthria spp. on broad plains in hyperhumid and perhumid zones (Mattiske and Havel, 1998).			
Mattiske vegetation complex Kilcarnup (KB): Mosaic of coastal complex on exposed dunes on			

seaward slopes in hyperhumid to humid zones (Mattiske and Havel, 1998).

Mattiske vegetation complex Keystone (Ks): Woodland of *Eucalyptus marginata* subsp. *marginata*-*Allocasuarina fraseriana* on lower slopes in hyperhumid and perhumid zones (Mattiske and Havel, 1998).

Mattiske vegetation complex Hazelvale (HA): Mosaic of a low woodland to woodland of *Eucalyptus marginata* subsp. *marginata*-*Eucalyptus patens*, low forest of *Agonis juniperina*-*Callistachys lanceolata* with closed heath of *Myrtaceae* spp. on sandy plains in the hyperhumid zone (Mattiske and Havel, 1998).

Mattiske vegetation complex Meerup (Mc): Coastal complex and closed heath of *Olearia axillaris*-*Spyridium globulosum*-*Pimelea ferruginea*-*Rhagodia baccata* and sedgeland of *Lepidosperma* spp. on recently developed coastal dunes in the hyperhumid zone (Mattiske and Havel, 1998).

Mattiske vegetation complex Milyeaup (MP): Open forest to tall open forest of *Eucalyptus marginata* subsp. *marginata*-*Corymbia calophylla*-*Allocasuarina fraseriana* with some *Agonis flexuosa* on less undulating slopes in perhumid and humid zones (Mattiske and Havel, 1998).

3. Assessment of application against clearing principles

Comments

The application is to clear 0.65 hectares of native vegetation for the purpose of completing the Munda Biddi trail between Denmark and Walpole. The vegetation under application is considered to be in a degraded to good (Keighery, 1994) condition with numerous weed species along the proposed trail alignments.

Several priority flora species have been recorded within the local area, most notably is a priority 4 species that has been identified within Reserve 39727. The alignment of the trail has been selected to avoid the known priority flora. No rare flora or threatened ecological communities will be impacted upon from the proposed clearing.

The vegetation to be cleared is well represented in the local area with approximately 50 per cent of its pre-European extent remaining and therefore would not have a detrimental impact on fauna habitat or consist of an area of high biodiversity.

The Scotsdale Brook intersects with the application area and it is considered that the application will impact on water dependent vegetation. Given the size of the proposed clearing (0.65 hectares) this impact is considered to be minor. Additionally, the application is not likely to cause or exacerbate land degradation or flooding or impact on water quality.

The proposed clearing (Reserve 39727) is adjacent to the William Bay National Park. The proposed clearing may indirectly impact the environmental values of this conservation area through the spread of weeds and dieback. Weed and Dieback management measures will reduce this identified impact.

The assessment of the application identified that the clearing is at variance to principle (f), may be at variance to principle (h) and not likely to be at variance to the remaining principles.

Methodology Reference:
Keighery (1994)

GIS Databases:
- DEC Tenure
- Hydrography, linear- Interim Biogeographic Regionalisation
- NLWRA, Current Extent of Native Vegetation
- SAC Biodatasets (January 2013)

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

Comments

The Department of Water (DoW, 2012) advises that the area under application is within the Scotsdale Brook Water Reserve, which is gazetted as a Public Drinking Water Source Area (PDWSA) under the Country Areas Water Supply Act 1947. The source is not currently utilised for public drinking water and is unlikely to be used in the foreseeable future. DoW has no objections to the proposed clearing but advice that minor waterways may be in proximity to the clearing and care should be taken to minimise disturbing the waterway.

The Shire of Denmark (2012) has authorised the applicant to access Hodgsons Road reserve, Roberts Road reserve, View Road reserve and Reserve 39727 to undertake the necessary works subject to the granting of a clearing permit.

Main Roads Western Australia (MRWA, 2012) has awarded a Certificate for Possession to the applicant to undertake low complexity works within the South Western Highway road reserve. The certificate is valid from the 1 December, 2012 to the 20 March, 2013. MRWA advises the works will need to comply with the Utility Providers Code of Practice and Main Roads- Traffic Management for Works on Roads Code of Practice.

Methodology References:
- DoW (2012)
- MRWA (2012)
- Shire of Denmark (2012)

4. References

- DoW (2013) Advice received in relation to Clearing Permit Application CPS 5392/1. Department of Water (DEC Ref:A586032)
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- MRWA (2012) Additional information received within Clearing Permit Application CPS 5392/1, Main Roads Western Australia (DEC Ref:A573083)
- Mattiske, 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., 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 Denmark (2012) Additional information received within Clearing Permit Application CPS 5392/1 (DEC Ref:A573083)

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)