



## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

<b>Purpose Permit number:</b>	CPS 3825/2
<b>Permit Holder:</b>	Shire of Dowerin
<b>Duration of Permit:</b>	2 January 2011 – 2 January 2016

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 road construction.

**2. Land on which clearing is to be done**

Namelkatchem Nature Reserve, Hindmarsh 6462 (Crown Reserve 687)

**3. Area of Clearing**

The Permit Holder must not clear more than 0.45 hectares of native vegetation within the area hatched yellow on attached Plan 3825/2a.

**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. Type of clearing authorised**

This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the power to clear native vegetation for those activities under the *Local Government Act 1995* or any other written law.

### **PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES**

**6. Avoid, minimise etc clearing**

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

- (a) avoid the clearing of native vegetation;
- (b) minimise the amount of native vegetation to be cleared; and
- (c) reduce the impact of clearing on any environmental value.

**7. Weed control**

- (a) 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*:
  - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;

- (ii) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
  - (iii) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- (b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

#### **8. Retain vegetative material, revegetation and rehabilitation**

The Permit Holder shall *revegetate* and *rehabilitate* Areas 1, 2, 3 and 4 as shaded red on attached Plan 3825/2b by:

- (a) retaining the brush mulch removed by clearing authorised under this Permit and stockpile the vegetative material in an area that has already been cleared.
- (b) within 3 months following clearing authorised under this permit, The Permit Holder shall:
  - (i) rip the ground on the contour to remove soil compaction;
  - (ii) lay the brush mulch retained under condition 8(a);
  - (iii) remove or kill any *weeds* growing within Area 3; and
  - (iv) construct a fence around Area 3 to exclude herbivores.
- (c) within 12 months of carrying out works described under condition 8(b) of this Permit:
  - (i) *revegetate* Areas 1, 3 and 4 by deliberately *planting* and/or *direct seeding* native vegetation ensuring only local provenance seeds and propagating material are used ensuring that a density of 300 to 350 plants per area is established.
- (d) within 12 months of deliberately *planting* and/or *direct seeding* on Areas 1, 3 and 4 and laying brush mulch in Area 2 in accordance with condition 8(b) and 8(c) of this Permit:
  - (i) engage an *environmental specialist* to determine the species composition, structure and density of the area *revegetated* and *rehabilitated*; and
  - (ii) where, in the opinion of an *environmental specialist*, the composition structure and density determined under condition 8(d)(i) of this Permit will not result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, *revegetate* the area by deliberately *planting* and/or *direct seeding* native vegetation that will result in a similar species composition, structure and density of native vegetation to pre-clearing vegetation types in that area and ensuring only *local provenance* seeds and propagating material are used.

### **PART III - RECORD KEEPING AND REPORTING**

#### **9. Records must be kept**

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

- (a) In relation to the clearing of native vegetation authorised under this Permit:
  - (i) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
  - (ii) the date that the area was cleared; and
  - (iii) the size of the area cleared (in hectares).
- (b) In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 8 of this Permit:
  - (i) the location of any areas *revegetated* and *rehabilitated*, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
  - (ii) a description of the *revegetation* and *rehabilitation* activities undertaken;
  - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares); and
  - (iv) the species composition, structure and density of *revegetation* and *rehabilitation*.

## 10. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
  - (i) of records required under condition 9 of this Permit; and
  - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December calendar, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 1 January of each year.
- (c) Prior to 2 October 2015 the Permit Holder must provide to the CEO a written report of records required under condition 9 of this Permit where these records have not already been provided under condition 10(a) of this Permit.

## Definitions

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

**environmental specialist** means a person who holds a tertiary qualification in environmental science or equivalent, and has experience relevant to the type of environmental advice that an environmental specialist is required to provide under this Permit, or who is approved by the CEO as a suitable environmental specialist.

**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;

**weed/s** means any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in a Department of Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.

**direct seeding** means a method of re-establishing vegetation through the establishment of a seed bed and the introduction of seeds of the desired plant species;

**local provenance** means native vegetation seeds and propagating material from natural sources within 50kms kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the area cleared.

**planting** means the re-establishment of vegetation by creating favourable soil conditions and planting seedlings of the desired species;

**regenerate/ed/ion** means re-establishment of vegetation from in situ seed banks and propagating material (such as lignotubers, bulbs, rhizomes) contained either within the topsoil or seed-bearing mulch;

**rehabilitate/ed/ion** means actively managing an area containing native vegetation in order to improve the ecological function of that area;



M Warnock  
SENIOR MANAGER  
CLEARING REGULATION

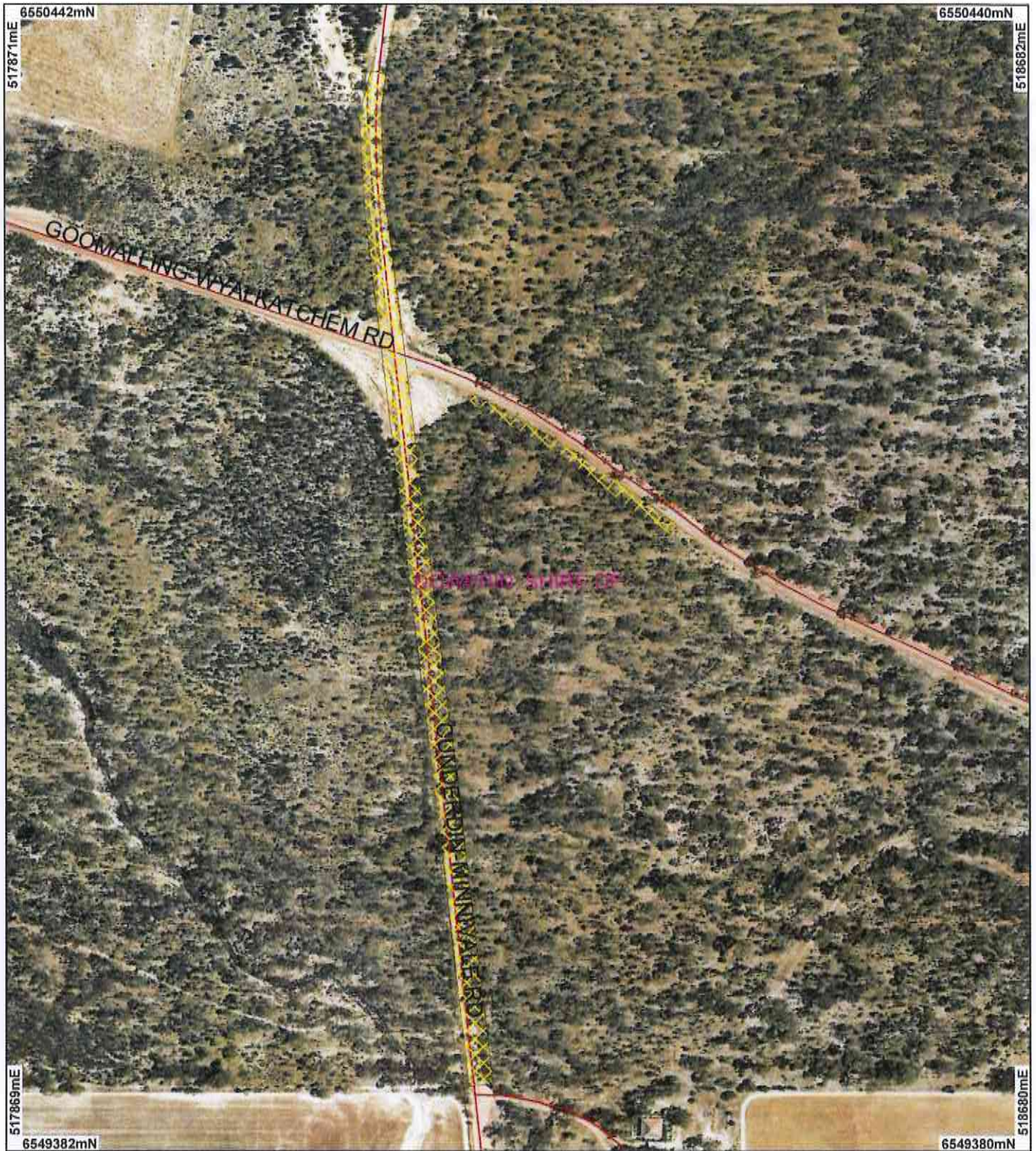
*Officer delegated under Section 20  
of the Environmental Protection Act 1986*

8 May 2014

CPS 3825/2, 8 May 2014

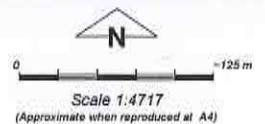


# Plan 3825/2a



## LEGEND

- ✓ Road Centrelines Clearing Instruments
- Local Government Authorities
- Areas Approved to Clear
- Dowerin 50cm Orthomosaic - Landgate 2004



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 2/5/14  
M Warnock

Officer with delegated authority under Section 20 of the Environmental Protection Act 1988

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



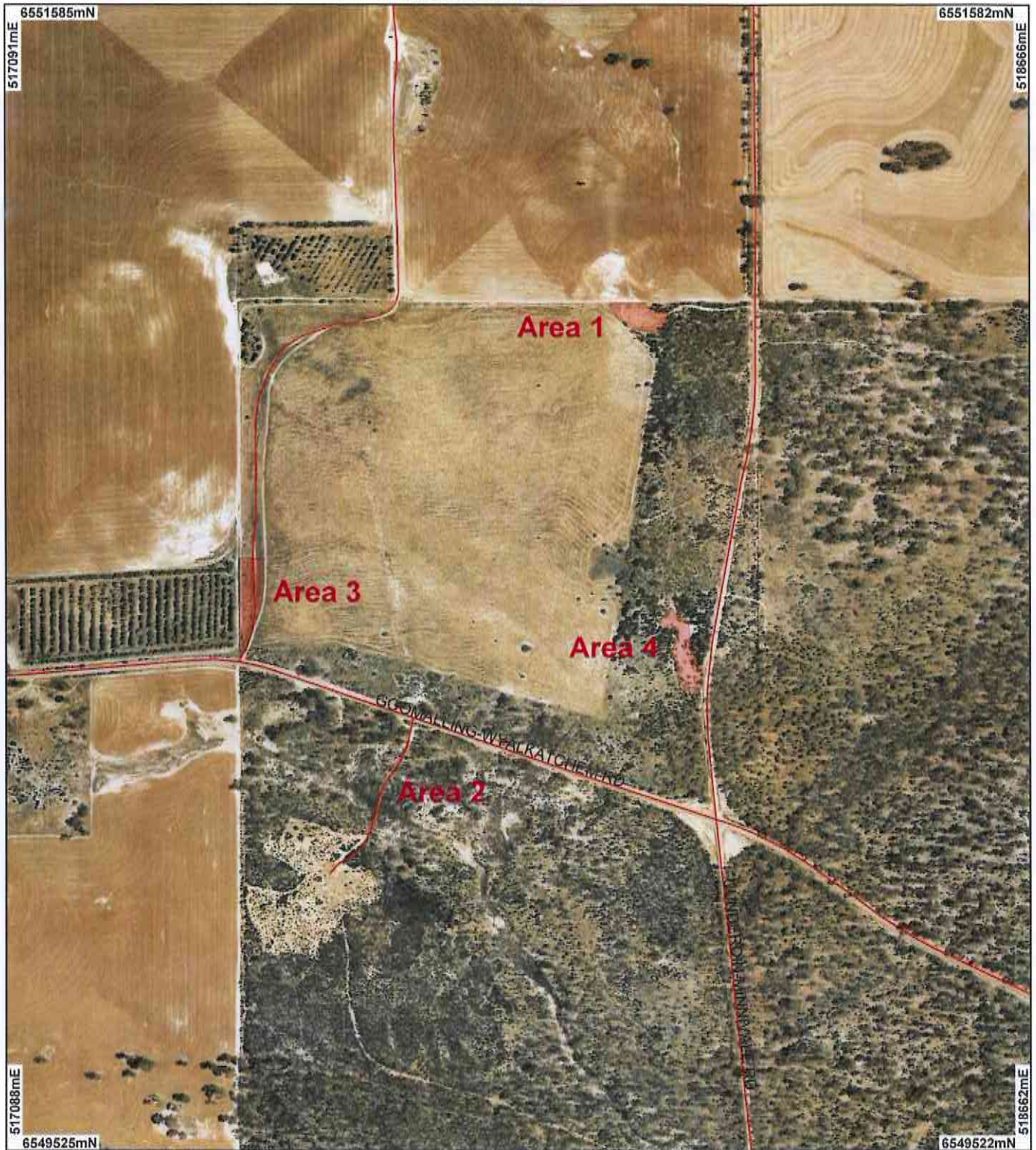
Government of Western Australia  
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\* Project Data. This data has not been quality assured. Please contact map author for details.

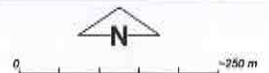


# Plan 3825/2b



## LEGEND

- ✓ Road Centrelines
- Clearing Instruments
- Areas Subject to Conditions
- Dowerin 50cm Orthomosaic - Landgate 2004



Scale 1:9166

(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 8/5/14  
M Warnock

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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Department of Environment Regulation

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# Clearing Permit Decision Report

## 1. Application details

### 1.1. Permit application details

Permit application No.: 3825/2  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Shire of Dowerin

### 1.3. Property details

Property: CROWN RESERVE 687 ( HINDMARSH 6462)  
Local Government Area: Shire Dowerin  
Colloquial name:

### 1.4. Application

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

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 8 May 2014

## 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 Vegetation Association: 1049: Medium woodland; wandoo, York gum, salmon gum, morrel & gimlet (Shepherd et al. 2001).	Clearing up to 0.45 hectares of native vegetation within the Namelkatchem Nature Reserve being Goomalling Wyalkatcham and Cunderdin Road, Hindmarsh, Shire of Dowerin for the purpose of road construction.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)  To  Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The vegetation is open woodland comprising York Gum ( <i>Eucalyptus loxophleba</i> ) and Jam ( <i>Acacia acuminata</i> ) trees with distinct ground and middle storey layers. The additional clearing area consists of <i>Acacia acuminatum</i> shrubs, six mid-sized York Gums and Salmon Gum trees (Parks and Wildlife, 2014) The remainder is a mixture of <i>Grevillea</i> , <i>Melaleuca</i> shrub species and a range of weeds (Parks and Wildlife, 2014)  The vegetation under application is in a degraded to excellent (Keighery, 1994) condition (Parks and Wildlife, 2014).  The condition and structure of the vegetation under application was obtained through the previous decision report, CPS 3825/1, and information received from Parks and Wildlife.

## 3. Assessment of application against clearing principles

### Comments

The application is to amend clearing permit CPS 3825/1 to increase the clearing of native vegetation by a further 0.15 hectares. This is required to facilitate improvements to the Goomalling Wyalkatcham Road and Cunderdin Minnivale Road intersection. The additional clearing will be undertaken on the south side Goomalling Wyalkatcham Road over a linear distance of approximately 200 metres and a width at its widest point no greater than eight metres. The total proposed clearing is 0.45 hectares.

The additional clearing of 0.15 hectares will not increase the residual impacts identified within the clearing permit application CPS 3825/1. The assessment against the clearing principles has not changed and can be found in the clearing permit decision report CPS 3825/1.

### Methodology



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

### Comments

The clearing under application falls within the Avon River System Surface Water *Rights in Water and Irrigation Act 1914* area. The application has been referred to the Department of Water (2014) who have assessed the application and provided no comments.

The area under application falls within the boundaries of a registered area subject to Native Title claims. The claimants and their representing body were notified of the application.

A submission was received from the South West Aboriginal Land and Sea Council (SWALSC) (2014) who are the legal representative for the Ballardong registered native title claimants. The SWALSC advises the permit area may affect Aboriginal heritage sites and recommend a heritage survey be undertaken (SWALSC, 2014). It is recommended a Ballardong representative be contacted to monitor the proposed clearing process in order to alleviate any Aboriginal heritage concerns (SWALSC, 2014).

Parks and Wildlife (2014) advises, based on currently available information, the proposed clearing of 0.15 hectares of native vegetation is unlikely to cause any impact to known significant biodiversity values. There are no known records of threatened or priority flora species, fauna species and ecological communities in or adjacent to the proposed clearing area (Parks and Wildlife, 2014).

### Methodology

#### References:

- DoW (2014)
- Parks and Wildlife (2014)
- SWALSC (2014)

## 4. References

- Department of Water (2014) Submission received in relation to Clearing Permit Application CPS 3825/2 - Shire of Dowerin (DER Ref:A732391).
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Parks and Wildlife (2014) Advice received in relation to Clearing Permit Application CPS 3825/2 - Shire of Dowerin (DER Ref:A738163).
- 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.
- South West Aboriginal Land and Sea Council (2014) Submission received in relation to Clearing Permit Application CPS 3825/2 - Shire of Dowerin (DER Ref:A731669).