



## CLEARING PERMIT

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

<b>Purpose Permit number:</b>	CPS 4079/1
<b>Permit Holder:</b>	Ian Piesse Johnston
<b>Duration of Permit:</b>	14 February 2011 – 14 February 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**  
Deedene Road Reserve, Deedene, 6290 (PIN: 11607662)  
Lawrence Road Reserve, Augusta, 6290 (PIN: 11607663)  
Lot 5340 on Plan 194866, Road Reserve, Augusta, 6290 (PIN: 11451181)
- 3. Area of Clearing**  
The Permit Holder must not clear more than 1.22 hectares of native vegetation within the area hatched yellow on attached Plan 4079/1.
- 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.
- 6. 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

- 7. 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.

## 8. 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;

*weed/s* means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.



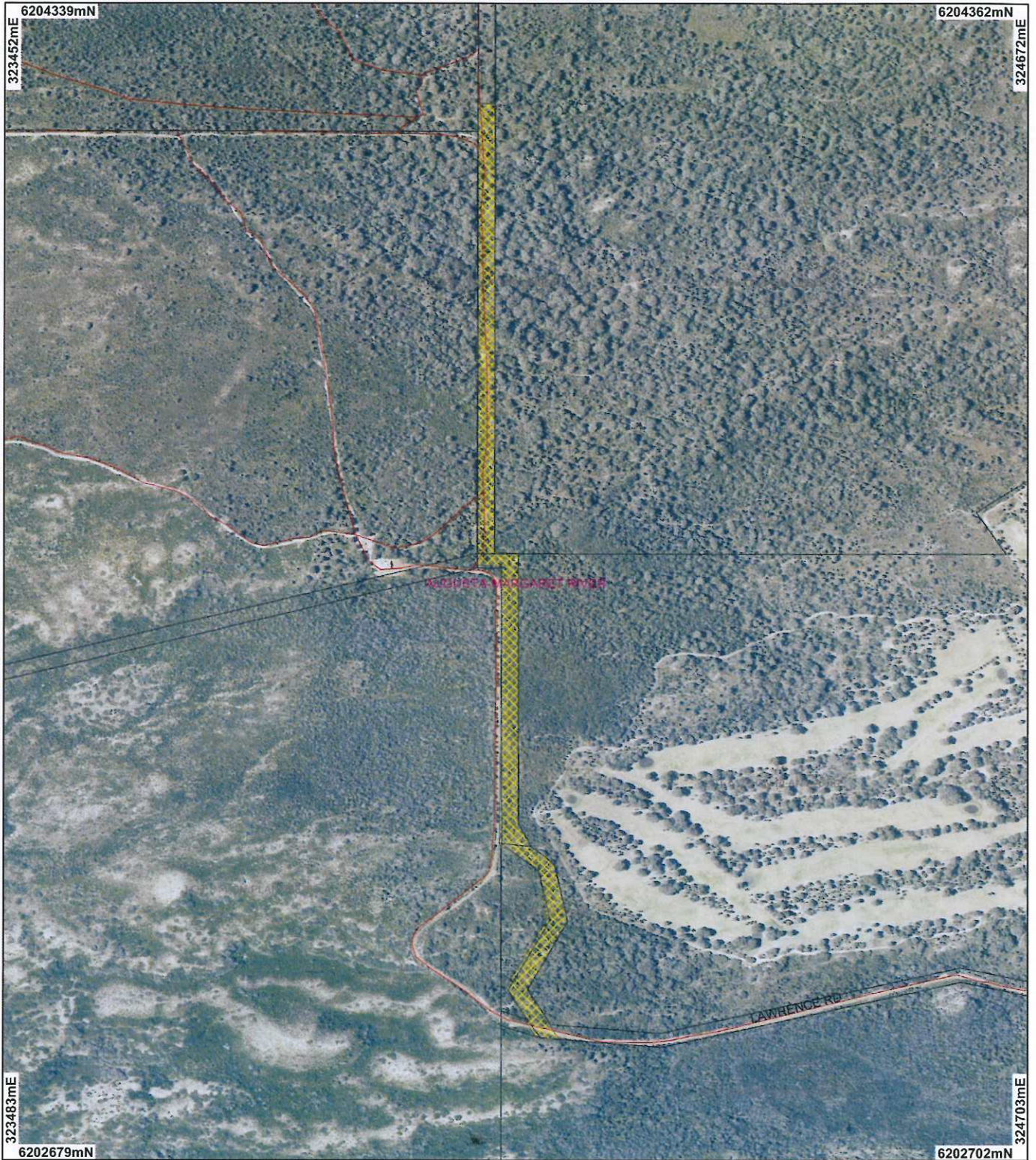
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Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

20 January 2011

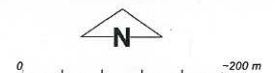
# Plan 4079/1



## LEGEND

- Clearing Instruments**
-  Areas Approved to Clear
  -  Road Centrelines
  -  Cadastre for labelling
  -  Local Government Authorities

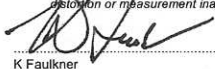
Leeuwin 50cm Orthomosaic - Landgate 2004



Scale 1:7271  
(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.

 Date 25/1/14

K Faulkner

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

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



Department of Environment and Conservation

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## 1. Application details

### 1.1. Permit application details

Permit application No.: 4079/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Civil Structural Consulting Pty Ltd

### 1.3. Property details

Property: ROAD RESERVE ( DEEPDENE 6290)  
ROAD RESERVE ( AUGUSTA 6290)  
LOT 5340 ON PLAN 194866 ( AUGUSTA 6290)

Local Government Area:

Colloquial name: unnamed road reserve

### 1.4. Application

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

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 20 January 2011

## 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 Associations: 22 - Low woodland; <i>Agonis flexuosa</i> 1108 - Shrublands; <i>Acacia decipiens</i> 1109 - Shrublands; peppermint scrub, <i>Agonis flexuosa</i> Shepherd (2009)	The vegetation proposed to be cleared for road construction is considered to be in very good (Keighery, 1994) condition.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The vegetation condition was assessed through aerial photography.

Mattiske Vegetation Complex:

KE - Tall shrubland to closed heath of *Agonis flexuosa*-*Spyridium globulosum* on exposed slopes of calcareous dunes in hyperhumid to humid zones.

Mattiske (1998)

## 3. Assessment of application against clearing principles

### Comments

The proposal to clear up to 1.22 hectares of native vegetation for the purpose of road reconstruction is unlikely to have any significant environmental impacts. The vegetation is considered to be in a very good (Keighery, 1994) condition and has been classified as low woodlands and shrublands of *Agonis flexuosa* and *Acacia decipiens* (Shepherd, 2009).

There are no recorded declared rare flora species or threatened ecological communities in the vicinity of the project. The vegetation to be cleared is well represented in the local area, and its removal would not have a detrimental impact on fauna nor does the vegetation represent significant fauna habitat.

The application occurs within a hazardous zone due to the potential for caves or karst features occurring within the area. It is strongly recommended that a geotechnical survey is carried out within and buffering the application area before any works are commenced.

The proposed clearing for road works may cause some short term water quality issues in terms of localised surface water sedimentation and flooding during works. However, these issues should be minimised as road works will include roadside infrastructure to prevent water quality issues and flooding associated with roads (ie table drains and culverts).

It is considered that the proposal is not likely to be at variance to any of the principles.

**Methodology** References:  
Keighery (1994)  
Shepherd (2009)

GIS Datasets:

- CALM Managed Lands & Waters - CALM 01/06/05
- Clearing Regulations - Environmentally Sensitive Areas - 30 May 2005
- Groundwater Salinity, statewide - DoW 13/07/06
- Hydrogeographic Catchments, Catchments - DoW 01/06/07
- Hydrogeology, statewide - DOW 13/07/06
- Hydrography, linear DOW 13/7/06
- Mattiske Vegetation Complexes (01/03/1998)
- Pre-European vegetation - DA 01/01
- Mean Annual Rainfall Isohytes (1975 - 2003) - DEC 02/08/05
- SAC Biodatasets 6/12/10

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

##### **Comments**

A signed letter of approval from the Shire of Augusta Margaret River to access and clear native vegetation within Lawrence and Deepdene Road reserves has been received.

The town planning scheme is Rural for northern portion of the application area and Parks and Recreation for the southern portion.

**Methodology** GIS database:  
- RIWI Act, Groundwater Areas - DoW 13/07/06  
- Town Planning Scheme Zones - MFP 31/08/98  
- Aboriginal Sites of Significance 26 April 2007  
- Public Drinking Water Source Areas (PDWSAs) – 07/02/06

#### **4. 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.
- 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. (2009) 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.

#### **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)