



## CLEARING PERMIT

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

<b>Purpose Permit number:</b>	CPS 5546/1
<b>Permit Holder:</b>	Charles Hull Contracting Pty Ltd
<b>Duration of Permit:</b>	21 June 2013 – 21 June 2018

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

**1. Purpose for which clearing may be done**  
Clearing for the purpose of sand extraction.

**2. Land on which clearing is to be done**  
Lot 799 on Deposited Plan 135702 (Waroona)  
Lot 800 on Deposited Plan 135703 (Waroona)

**3. Area of Clearing**  
The Permit Holder must not clear more than 8.6 hectares of native vegetation within the area hatched yellow on attached Plan 5546//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.

M Warnock  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

30 May 2013

# Plan 5546/1



## LEGEND

-  Road Centrelines
-  Clearing Instruments
-  Areas Approved to Clear
-  Perth Metropolitan Area
-  South 15cm Orthomosaic - Landgate 2012



0 300 m

Scale 1:12400

(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 Warneck* Date 30/5/13  
M Warneck

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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\* 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.: 5546/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Charles Hull Contracting Pty Ltd

### 1.3. Property details

Property: LOT 800 ON PLAN 135703 (House No. 1027 CORONATION WAROONA 6215)  
LOT 799 ON PLAN 135702 (WAROONA 6215)  
Local Government Area: Shire of Waroona

Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
8.6		Mechanical Removal	Extractive Industry

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 30 May 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
Beard Vegetation Association 126: Bare areas; freshwater lakes (Shepherd et al, 2001)	The application is to clear 8.6 hectares of native vegetation for the purpose of sand extraction.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The condition of the vegetation under application was obtained from a site inspection undertaken by the Department of Environment and Conservation on the 23 April 2013.
Beard Vegetation Association 1000: Mosaic: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree (Melaleuca spp.) (Shepherd et al, 2001)	The vegetation under application comprises of Allocasuarina trees over paddock weeds with approximately 85 percent of the trees dead and the remainder in poor health.		
Hedde Vegetation Complex Sothern River: Open woodland of Corymbia calophylla (Marri) - Eucalyptus marginata (Jarrah) - Banksia species with fringing woodland of Eucalyptus rudis (Flooded Gum) - Melaleuca raphiophylla (Swamp Paperbark) along creek beds (Hedde et al, 1980).	The application area also comprises of Juncus species and a small section of Kunzea regrowth (DEC, 2013).  The vegetation under application is in a completely degraded (Keighery, 1994) condition (DEC 2013).		

## 3. Assessment of application against clearing principles

### Comments

The application is to clear 8.6 hectares of native vegetation for the purpose of sand extraction. The area under application is located approximately 9 kilometres from the town site of Waroona.

The vegetation under application comprises of Allocasuarina trees over paddock weeds with scattered Juncus species. Approximately 85 percent of the trees within the applied area appear dead with the remainder in poor health (DEC, 2013). A small section of Kunzea regrowth will be impacted upon from the proposed clearing. The condition (DEC, 2103) of the vegetation under application is completely degraded (Keighery, 1994).

Several priority and one rare flora taxa have been mapped within ten kilometres of the applied area. Of the

known rare and priority flora, one priority species occurs within similar vegetation and soil types to the applied area. The application area comprises of a ground cover of weeds and is in a completely degraded (Keighery, 1994) condition. Considering this, the application is not likely to contain priority flora.

No threatened ecological communities or priority ecological communities have been recorded within 10 kilometres of the area under application.

The application area is represented by Beard Vegetation Associations 126 and 1000 which have 23 and 27 percent respectively of their pre-European vegetation remaining. The application is also represented by Hedde Vegetation Complex - Southern River which has 21 percent of its pre European vegetation remaining. Additionally the area under application is within an extensively cleared landscape with approximately 15 per cent of pre-European vegetation remaining in the local area (10 Kilometres).

The national objectives and targets for biodiversity conservation in Australia has a target to prevent clearance of ecological communities with an extent below 30 per cent of that present pre-1750, below which species loss appears to accelerate exponentially at an ecosystem level (Commonwealth of Australia 2001). The mapped vegetation complex/associations fall below the 30 percent level however, the vegetation under application is in a completely degraded (Keighery, 1994) condition (DEC, 2013) comprising mainly of dead and poor health Allocasuarina trees and is not a true representation of the mapped vegetation associations/complexes.

The area under application is within a geomorphic wetland classified as a sumpland multiple use wetland (approximately 40 percent of the application area). Multiple use wetlands have few important ecological attributes and functions remaining however, the use, development and management of these wetlands should be considered in the context of ecological sustainable development and best management practice catchment planning through landcare (Water and Rivers Commission, 2001).

The application may impact on water dependent vegetation, thus impact on the wetland. However, the vegetation under application is in a completely degraded (Keighery, 1994) condition (DEC, 2013) and any impact from the clearing is not likely to be significant.

The closest conservation area to the application is the Buller Nature Reserve which is located approximately two kilometres away. Given the distance between the proposed clearing and the conservation area the application is not likely to impact on the environmental values of Buller Nature Reserve.

The vegetation under application is in a completely degraded (Keighery, 1994) condition (DEC, 2013) and is unlikely to contain a high level of biodiversity, significant fauna habitat, nor is it likely to cause or exacerbate land degradation, flooding or impact on water quality. Whilst the total area subject to the clearing permit is 8.6 hectares, the remaining native vegetation is very sparse and of limited environmental value.

The application may be at variance to principle (f) and not at variance to the remaining clearing principles.

#### Methodology

##### References:

- Commonwealth of Australia (2001)
- DEC (2013)
- Keighery (1994)
- Water and Rivers Commission (2001)

##### GIS Databases:

- Geomorphic Wetlands (Mgt Categories), Swan Coastal plain
- Hydrogeology, statewide
- Pre-European vegetation
- SAC Biodatasets accessed April 2013

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

#### Comments

The area under application falls within the Murray groundwater area, which is a proclaimed area under Rights in Water and Irrigation Act 1914. DEC has written to the Department of Water to ascertain if any permits are required under the Rights in Water and Irrigation Act 1914. The Department of Water (DoW) (2013) has advised that no licenses have been applied for or currently exist over the applied area. The DoW advises if the water is to be drawn from the ground the applicant would need to obtain a license to do so. Additionally, should the applicant wish to construct a bore on the property to draw the groundwater, a license would also be required for this (DoW, 2013).

The Shire of Waroona advises that there is no approval for extractive industry over lots 799 or 800. To date the Shire has not received any applications for extractive industry over the above mentioned properties (Shire of Waroona, 2013).

#### Methodology

##### References:

- DoW (2013)
- Shire of Waroona (2013)

##### GIS Databases:

- RIWI, Groundwater Areas

#### 4. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- DEC (2013) Site Inspection Report for Clearing Permit Application CPS 5546/1, Lot 799 and 800, Coronation Road, Waroona. Site inspection undertaken 23/4/2013. Department of Environment and Conservation, Western Australia (DEC Ref. A630837).
- DoW (2013) Advice received in relation to Clearing Permit Application CPS 5546/1 - Charles Hull Contracting Pty Ltd (DEC Ref:A628996)
- Government of Western Australia. (2013). 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, Perth.
- Heddl, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.
- 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. Technical Report 249. Department of Agriculture Western Australia, South Perth.
- Shire of Waroona (2013) Advice received in relation to Clearing Permit Application CPS 5546/1 - Charles Hull Contracting Pty Ltd (DEC Ref:A630746)
- Water and Rivers Commission (2001) Position Statement: Wetlands, Water and Rivers Commission, 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)