



## CLEARING PERMIT

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

<b>Purpose Permit number:</b>	CPS 5613/1
<b>Permit Holder:</b>	Crushing Services International Pty Ltd
<b>Duration of Permit:</b>	24 August 2013 to 24 August 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 constructing an accommodation camp.

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

Lot 2444 on Deposited Plan 212197 (Port Hedland)

**3. Area of Clearing**

The Permit Holder must not clear more than 7.004 hectares of native vegetation within the area cross hatched yellow on attached Plan 5613/1.

**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.

### PART II – MANAGEMENT PROCEDURES

**5. 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*:

- clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- 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:

*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 the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

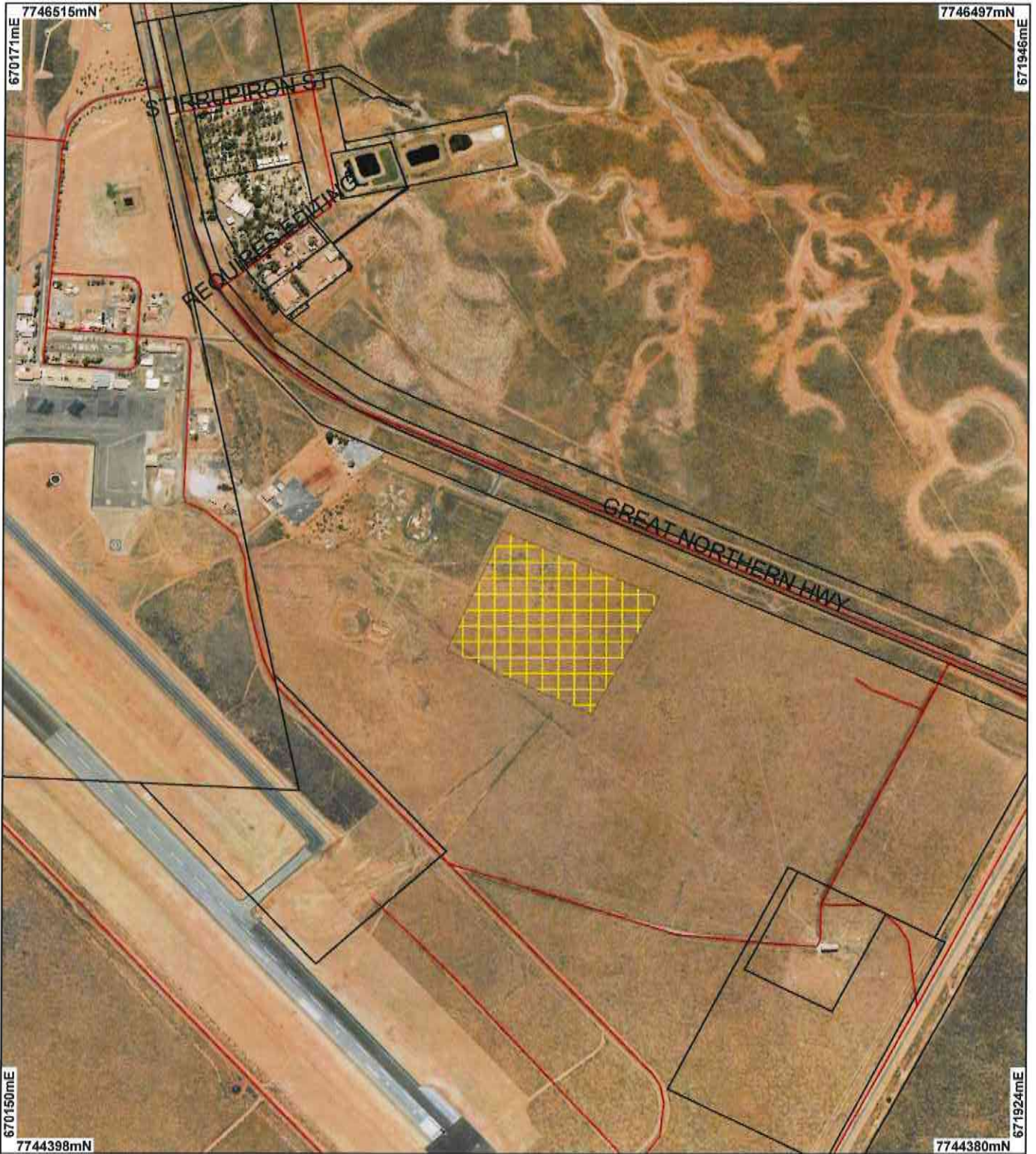


M Warnock  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

25 July 2013

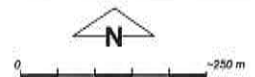
# Plan 5613/1



## LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Cadastre

Port Hedland 50cm  
Orthomosaic - Landgate  
2004



Scale 1:9764

(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 25/7/13  
M Warnock

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



Government of Western Australia  
Department of Environment Regulation

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# Clearing Permit Decision Report

Government of Western Australia  
Department of Environment Regulation

## 1. Application details

### 1.1. Permit application details

Permit application No.: 5613/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Crushing Services International Pty Ltd

### 1.3. Property details

Property: LOT 2444 ON PLAN 212197 (Lot No. 2444 GREAT NORTHERN PORT HEDLAND 6721)  
Local Government Area: Town of Port Hedland  
Colloquial name:

### 1.4. Application

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

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 25 July 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 647: Hummock grasslands, dwarf-shrub steppe; <i>Acacia translucens</i> over soft spinifex (Shepherd et al, 2001)	<p>The application is to clear 7.004 hectares of native vegetation for the purpose of constructing an accommodation camp.</p> <p>The vegetation within the applied area comprises of three different vegetation types which included 63 flora taxa with three being non native (Astron Environmental Services, 2013). The vegetation under application is in a good (Keighery, 1994) condition (Astron Environmental Services, 2013).</p> <p>The vegetation under application is described as <i>Eriachne</i> aff. <i>Obtusa</i> open tussock grass with scattered <i>Eragrostis parviflora</i> on seasonally wet loamy sands. <i>Acacia stellaticeps</i> open low shrubland to low open heath with <i>Desmodium filiforme</i> over <i>Eriachne</i> aff. <i>Obtusa</i>/<i>Triodia epactia</i> mixed hummock and tussock grassland on slightly elevated and rehabilitated loamy sands. <i>Tecticornia indica</i> subsp. <i>leiostachya</i>/<i>Trianthema turgidifolia</i> open low shrubland over <i>Eragrostis</i> sp., <i>Eragrostis falcata</i> open tussock grasses on seasonally wet loams (Astron Environmental Services, 2013).</p>	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The condition and description of the vegetation under application was obtained from a flora survey undertaken by Astron Environmental Services, 2013.

### 3. Assessment of application against clearing principles

#### Comments

The application is to clear 7.004 hectares of native vegetation for the purpose of constructing an accommodation camp approximately 8.5 kilometres from the town site of Port Hedland.

Within 10 kilometres of the area under application there has been two priority flora species recorded and mapped within the same vegetation and soil type as the applied area. There has been no rare flora or threatened ecological communities recorded within 10 kilometres of the applied area.

A Flora, Vegetation, Habitat and Site Assessment undertaken by Astron Environmental Services (2013) recorded 63 flora taxa, including three non native taxa. Of the recorded taxa, there was no priority or rare flora species identified. The survey identified three different vegetation types within the applied area and the vegetation under application was considered to be in a good (Keighery, 1994) condition (Astron Environmental Services, 2013).

Several fauna species of conservation significance have been recorded within the local area (10 kilometre radius). The survey undertaken by Astron Environmental Services (2013) identified no conservation significant fauna species within the applied area. The application area does not contain any significant fauna habitat with the vegetation types identified in the applied area being well represented within the surrounding landscape.

The vegetation under application is represented by Beard Vegetation Association 647 which is well represented (97 percent) in the Pilbara bioregion (Government of Western Australia, 2013). The vegetation under application does not occur within an extensively cleared landscape with approximately 95 per cent of its pre-European vegetation remaining within 10 kilometres of the applied area.

Numerous drainage lines exist within the applied area. A survey undertaken by Astron Environmental Services (2013) of the applied area identified that the site is regularly wet and has a large percentage of ephemeral flora which relies on moist soil conditions to emerge.

There are no conservation areas within 10 kilometres of the applied area.

Considering the application will not impact on significant fauna habitat, rare flora, threatened ecological communities and remnant vegetation values, the application is unlikely to contain a high level of biodiversity. Due to the type of soil present within the applied area and the surrounding landscape being well vegetated, the application is also unlikely to cause or exacerbate land degradation, flooding or impact on water quality.

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

#### Methodology

##### References

- Astron Environmental Services (2013)
  - Government of Western Australia (2013)
  - Keighery (1994)
- ##### GIS Database
- DEC Tenure
  - Hydrogeology, Statewide
  - Pre-European vegetation
  - SAC Biodatasets accessed the June 2013

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

#### Comments

The area under application falls within the Pilbara Groundwater and Surface Water Areas. The Department of Water (DoW, 2013) advises that the property lays within a proclaimed area under the Rights in Water and Irrigation Act 1914 and any taking or diversion of surface water for the purposes other than domestic and/or stock watering is subject to licence by the DoW. Also any interference with the bed or banks of a watercourse in this proclaimed area will require a permit from the DoW. The DoW is satisfied that the proposed clearing activities are unlikely to have significant impact on the quality or quantity of groundwater, provided activities are carried out in accordance with DoW advice.

On the 31 October 2012, the applicant was granted planning approval for the construction of a 506 person accommodation camp subject to conditions.

#### Methodology

##### References

- Department of Water (2013)
- ##### GIS Database
- RIWI Act 1914, Groundwater
  - RIWI Act 1914, Surface water

#### 4. References

- Astron Environmental Services (2013) Port Hedland Camp - Flora, Vegetation, Habitat and Site Assessment, March 2013. Additional Information received within Clearing Permit Application CPS 5613/1 (DER Ref:A630265)
- Department of Water (2013) Advice received in relation to Clearing Permit Application CPS 5613/1 - Crushing Services International Pty Ltd (DER Ref:A643772)
- 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.
- 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.

#### 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)