



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3929/1
Permit Holder:	Dampier Port Authority
Duration of Permit:	16 October 2010 – 16 October 2015

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

Lot 628 on Plan 28839

Lot 646 on Plan 28839

3. Area of Clearing

The Permit Holder must not clear more than 1.62 hectares of native vegetation within the area hatched yellow on attached Plan 3929/1.

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. 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. 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:

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

7. 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*:

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

PART III - RECORD KEEPING AND REPORTING

8. Records must be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit in relation to the clearing of native vegetation authorised under this Permit:

- (a) 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;
- (b) the date that the area was cleared; and
- (c) the size of the area cleared (in hectares).

9. 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 8 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) Prior to 16 July 2015, the Permit Holder must provide to the CEO a written report of records required under condition 8 of this Permit where these records have not already been provided under condition 9(a) of this Permit.

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;

weeds 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*.



Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

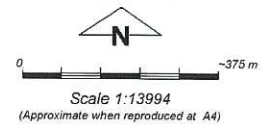
16 September 2010

Plan 3929/1



LEGEND

- | | |
|-----------------------------|---|
| Clearing Instruments | Towns |
| Areas Applied to Clear | Dampier and Extensions 50cm Orthomosaic - Landgate 2008 |
| Areas Subject to Conditions | Local Government Authorities |
| Areas Approved to Clear | |
| Road Centrelines | |
| Cadastre | |



Geocentric Datum Australia 1994

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

Date 15/9/10

Kelly 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.



1. Application details

1.1. Permit application details

Permit application No.: 3929/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: **Dampier Port Authority**

1.3. Property details

Property: LOT 628 ON PLAN 28839 (BURRUP 6714)
LOT 646 ON PLAN 28839 (BURRUP 6714)

Local Government Area:

Colloquial name:

1.4. Application

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

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: 117 - Hummock grasslands, grass steppe; soft spinifex (Shepherd, 2009)	The proposal is to clear 1.62 hectares of native vegetation for the purpose of Road Construction. The majority of vegetation occurs as very open regrowth on previously or currently semi-disturbed areas. The vegetation is in an overall degraded condition, being semi to highly disturbed and weed infested (Astron Environmental Services 2010).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition determined using available aerial photography and a survey conducted by Astron Environmental services on 12 August 2010.

3. Assessment of application against clearing principles

Comments

Proposal is not likely to be at variance to this Principle

The proposal to clear 1.62 hectares of native vegetation in degraded (Keighery, 1994) condition for the purpose of road construction is not likely to have any significant environmental impacts.

A flora survey conducted by Astron Environmental Services undertaken on 12 August 2010 identified that the majority of vegetation occurs as very open regrowth on previously or currently semi-disturbed areas. The vegetation is in an overall degraded condition, being semi to highly disturbed and weed infested (Astron Environmental Services 2010).

Thirty two taxa were recorded during the survey representing 13 families and 25 genus. Fabaceae was the most represented family with 11 species and Acacia the most represented genus with five species, one of which, Acacia trachycarpa is introduced to the Burrup Peninsula (Astron Environmental Services 2010).

There are numerous threatened fauna species which have been recorded in the local area (20km radius). Given the degraded (Keighery, 1994) condition of the vegetation under application, it is not likely that the vegetation to be removed provides a significant habitat for native fauna.

There are two Priority Ecological Communities (PECs) recorded on the Burrup Peninsula however the survey conducted by Astron identified that there are no PECs within the survey area and that the vegetation condition was generally degraded, being semi to highly disturbed and weed infested (Astron Environmental Services 2010). Weed management would mitigate and control the further spread of weed species through the Burrup

peninsula.

The vegetation to be cleared is well represented regionally and locally. Given the clearing consists of 1.62 hectares of native vegetation in degraded (Keighery, 1994) condition and considering the high vegetation representation in the surrounding area, it is unlikely the proposal will be considered to impact on conservation areas or cause or exacerbate land degradation, water quality or flooding.

Given the above the proposal is not likely to be at variance to any of the clearing principles.

- Methodology** Astron Environmental Services (2010)
Keighery (1994)
GIS database:
- Pre European Vegetation - DA 01/01
 - Interim Biogeographic Regionalisation of Australia - EA 18/10/00
 - Dampier Peninsula and Extensions 50cm Orthomosaic - Landgate 2007
 - SAC Biodatasets - accessed 29/07/2010
 - ANCA wetlands - Environment Australia 26/3/99
 - CALM Managed Lands and Waters - CALM 01/06/05
 - EPP Lakes Policy Area - DEP 14/05/97

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

Comments

It has been noted that this permit is in close proximity to areas in which there exist registered Indigenous Heritage Sites. It is the responsibility of the proponent to ensure that no Aboriginal Sites of Significance are damaged through the clearing process.

- Methodology** GIS database:
- Native Title Claims - LA 2/5/07
 - Aboriginal Sites of Significance 26 April 2007
 - Country Area Water Supply Act (Part IIA) Clearing Control Catchments 29/06/2006
 - RIWI Act, Groundwater Areas - DoW 13/07/06
 - RIWI Act, Irrigation Districts - DoW 13/07/06

4. References

- Astron Environmental Services (2010) Vegetation and flora survey for Native Vegetation Clearing Permit, King Bay Road and Mof Road, Dampier Port Authority - Burrup Peninsula. 12 August 2010.
- 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. (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)