



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose permit number:	CPS 3223/1
Permit holder:	Woodside Energy Limited
Duration of permit:	20 September 2009 – 20 September 2014

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 drainage works.

2. Land on which clearing is to be done

Madigan Road Reserve (GAP RIDGE, 6714 - PIN 11441928)

3. Area of Clearing

The permit holder must not clear more than 2.23 ha of native vegetation, within the area hatched yellow on attached Plan 3223/1.

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 – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

5. 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.

6. 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.

PART III - RECORD KEEPING AND REPORTING

7. 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 species composition, structure and density of the cleared area;
- (b) 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;
- (c) the date that the area was cleared; and
- (d) the size of the area cleared (in hectares).

8. Reporting

- (a) The Permit Holder must provide to the CEO, on or before 30 June of each year, a written report of records required under condition 7 of this Permit and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.

- (b) Prior to 20 June 2014, the Permit Holder must provide to the CEO a written report of records required under condition 7 of this Permit where these records have not already been provided under condition 8(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;

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*.

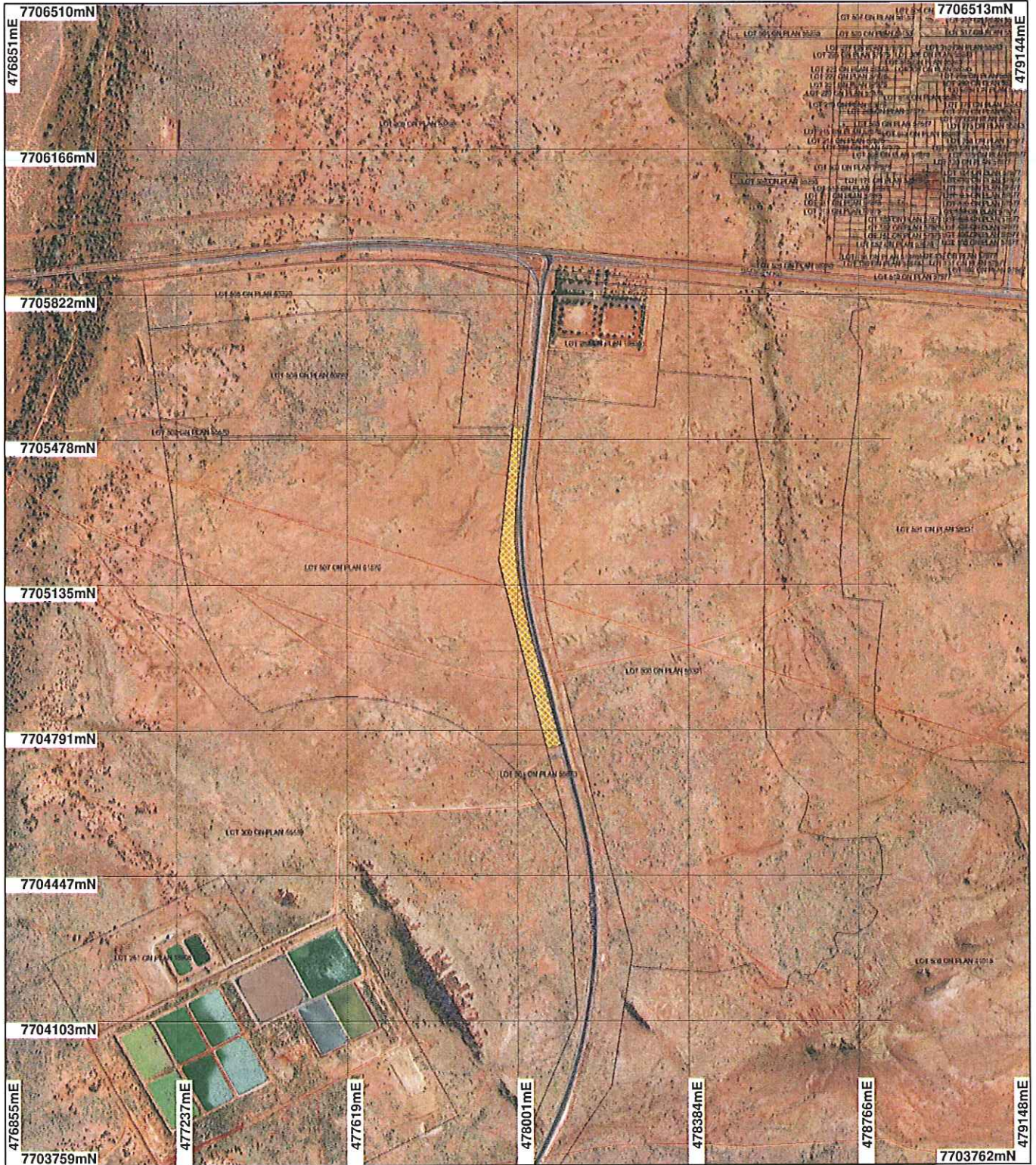


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

20 August 2009

Plan 3223/1



LEGEND

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

Dampier Legendra 50cm
Orthomosaic - Landgate
2004



0 375 m

Scale 1:12645

(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 20/8/09

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.: 3223/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Woodside Energy Ltd

1.3. Property details

Property: ROAD RESERVE (GAP RIDGE 6714)
Local Government Area:
Colloquial name: Madigan Road reserve

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
2.23		Mechanical Removal	Drainage

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 589 described as a Mosaic: Short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft Spinifex (Sheperd, 2007)	The vegetation under application is in degraded condition (Keighery, 1994) and consists of mainly grasses, including Spinifex. The area under application has been disturbed from the installation of a fibre optic cable and a water main.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation condition described from site photos provided by applicant and Dampier Legendre 50cm Orthomosaic - Landgate 2004

3. Assessment of application against clearing principles

Comments The proposal to clear up to 2.23 hectares for the purpose of constructing drainage is unlikely to have any significant environmental impacts. There are no declared rare flora species or threatened ecological communities in the vicinity of the project. Given the degraded (Keighery, 1994) condition of the vegetation under application and the disturbances that have occurred within the area, the proposed clearing is unlikely to have a detrimental impact on fauna. The Beard Vegetation Association 589 to be cleared is well represented, with 100% vegetation representation remaining (Shepherd, 2007).

There are no defined watercourses or wetland-dependent vegetation within the area under application. Limited soil erosion may occur, though given the clearing is for drainage purposes and the predominantly flat landscape with granitoid soils (Northcote, 1960-68), erosion will be minimal. Conditions will be placed on the permit to mitigate the spread of weeds including buffel and kapok.

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

Methodology Keighery (1994)
Shepherd (2007)
Northcote et al. (1960-68)
GIS Layers:
- SAC Bio datasets - accessed on 6/08/209
- Interim Biogeographic Regionalisation of Australia - EA 18/10/00.
- Pre European Vegetation - DA 01/01
- Hydrography, linear - DOE 01/02/04
- Soils, Statewide DA 11/99
- Hydrogeology, Statewide - DOW
- Topographic Contours, Statewide - DOLA 12/09/02
- Clearing Regulations - Environmentally Sensitive Areas (DOE May 2005)

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

Comments

No submissions were received.

A letter of authority from Main Roads WA to access to the road reserve has been obtained by Woodside Energy Ltd.

Methodology

4. Assessor's comments

Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and the proposed clearing is not likely to be at variance to all the clearing Principles.

5. 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.
- Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.
- Shepherd, D.P. (2007). 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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

6. 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)