



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3721/4
Permit Holder:	Regional Power Corporation T/A Horizon Power
Duration of Permit:	3 July 2010 - 3 July 2015

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

PART I – CLEARING AUTHORISED

- Purpose for which clearing may be done**
Clearing for the purpose of installation of underground powerlines.
- Land on which clearing is to be done**
LOT 500 ON PLAN 61425 BULGARRA 6714
LOT 3000 ON PLAN 54462 BULGARRA 6714
LOT 4202 ON PLAN 187664 BULGARRA 6714
LOT 4934 ON PLAN 40585 BULGARRA 6714
ROAD RESERVE (BULGARRA 6714) PIN 11440730
ROAD RESERVE (BULGARRA 6714) PIN 11440723
ROAD RESERVE (BULGARRA 6714) PIN 11440762
ROAD RESERVE (BULGARRA 6714) PIN 11440760
ROAD RESERVE (BULGARRA 6714) PIN 11440752
ROAD RESERVE (PEGGS CREEK 6714) PIN 11441930
ROAD RESERVE (NICKOL 6714) PIN 11441935
ROAD RESERVE (MILLARS WELL 6714) PIN 11437444
ROAD RESERVE (MILLARS WELL 6714) PIN 11436794
ROAD RESERVE (MILLARS WELL 6714) PIN 11441934
ROAD RESERVE (MULATAGA 6714) PIN 11440761
ROAD RESERVE (STOVE HILL 6714) PIN 11451973
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11441933
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437914
ROAD RESERVE (MILLARS WELL 6714) PIN 11436793
ROAD RESERVE (BAYNTON 6714) PIN 11068872
ROAD RESERVE (BAYNTON 6714) PIN 11068889
ROAD RESERVE (BULGARRA 6714) PIN 11440754
ROAD RESERVE (BULGARRA 6714) PIN 11440747
ROAD RESERVE (BULGARRA 6714) PIN 11440759
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437909
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 1245475
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 1245479
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437908
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 1245477

ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437907
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 1245481
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437911
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437912
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437913
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437906
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437904
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437905
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437901
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437903
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11437902
ROAD RESERVE (KARRATHA INDUSTRIAL ESTATE 6714) PIN 11235011

3. Area of Clearing

The Permit Holder must not clear more than 32.6 hectares of native vegetation within the combined areas shaded yellow on attached Plan 3721/4a, Plan 3721/4b, Plan 3721/4c and Plan 3721/4d.

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 *Energy (Powers) Operators Act 1979* 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. 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

10. 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).

11. 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 10 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 3 April 2015, the Permit Holder must provide to the CEO a written report of records required under condition 10 of this Permit where these records have not already been provided under condition 11(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*.

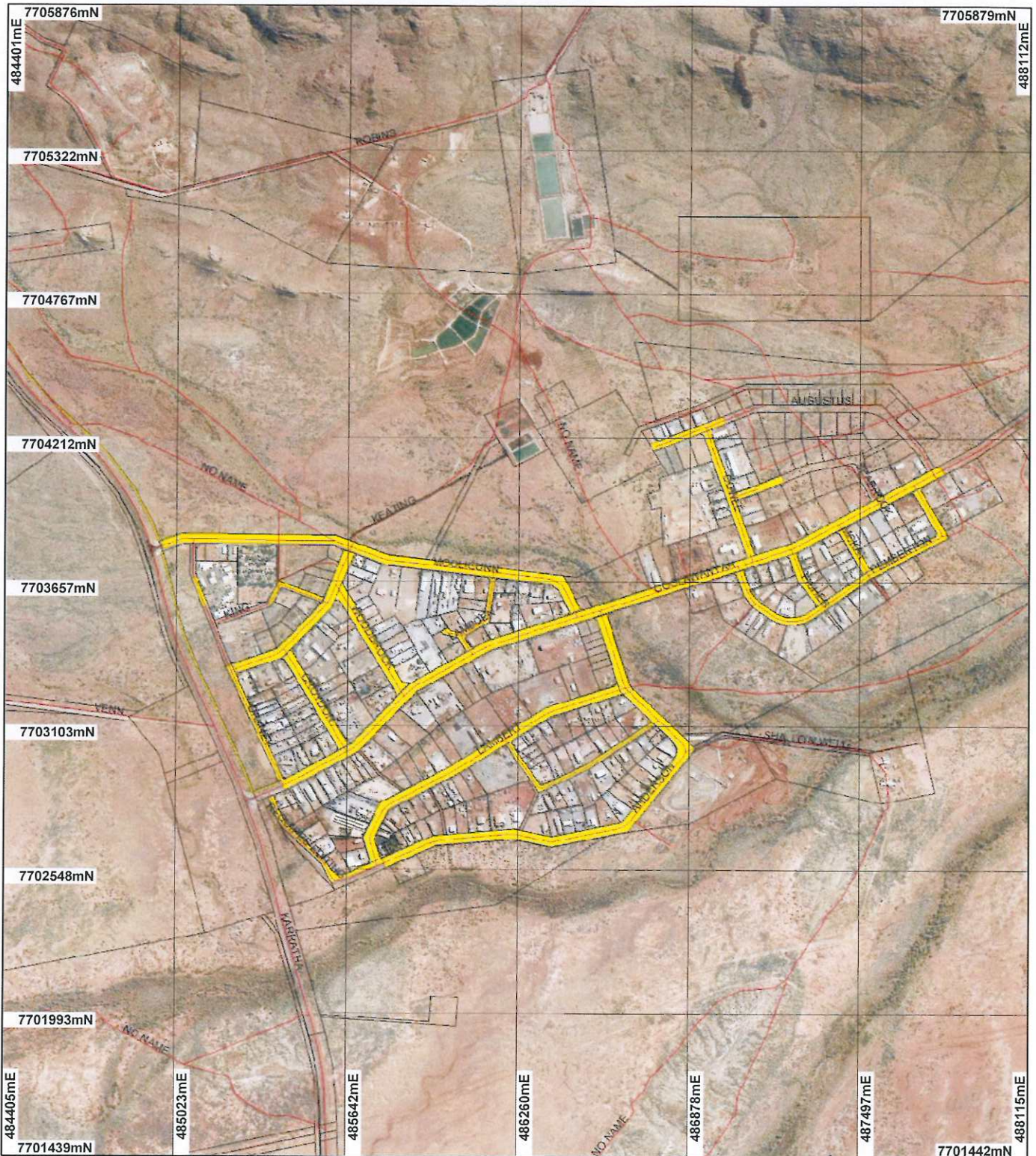


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

31 March 2011

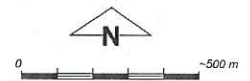
Plan 3721/4a



LEGEND

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

Dampier Legendre 50cm
Orthomosaic - Landgate
2004



Scale 1:20454
(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.

K. Faulkner Date 31/3/11

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

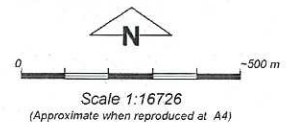
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Plan 3721/4c



LEGEND

- | | |
|---|--|
| <ul style="list-style-type: none">  Clearing Instruments  Areas Approved to Clear  Road Centrelines  Cadastre | <p>Dampier Legendre 50cm
Orthomosaic - Landgate
2004</p> |
|---|--|



Geocentric Datum Australia 1994

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

 Date 31/3/11

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

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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
The proposed clearing is within two broad (J. S. Beard) vegetation associations including: 157 - hummock grasslands and grass steppe with hard spinifex such as <i>Triodia wiseana</i> and association 589 which is a mosaic of short bunch grassland - savanna/ grass plain (Pilbara); hummock grasslands, grass steppe; and soft spinifex (Shepherd 2009).	The proposal is to clear up to 36.2 hectares of native vegetation for the purpose of installing underground power lines.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The vegetation condition was determined from aerial photographs (Karratha Townsite 20 cm Orthomosaic - Landgate 2008).
As above	Majority of vegetation is in a 'degraded' (Keighery 1994) condition with areas to the north along Corral Road in 'excellent' (Keighery 1994) condition.	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	As above

3. Assessment of application against clearing principles

Comments

As requested by the applicant, this amendment has been made to increase the amount of proposed clearing by 15.6 hectares, bringing the total amount of clearing up to 32.6 hectares. The additional clearing is proposed to take place within road reserves in the Karratha Town site and the Karratha Industrial Estate. The additional clearing is required to complete the under grounding of the electrical network in Karratha.

The additional clearing falls within similar vegetation and soil types to the previous proposal, therefore the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 3721/2.

Methodology

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

Comments

The assessment against planning instruments and other matters has not changed and can be found in the Clearing Permit Decision Report CPS 3721/2.

Methodology

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.
- 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)