



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4982/1
Permit Holder:	Regional Power Corporation trading as Horizon Power
Duration of Permit:	1 June 2012 – 1 June 2014

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 installing power poles and underground powerlines.

2. Land on which clearing is to be done

Lot 641 on Plan 29300, Lot 642 on Plan 29300 and Lot 646 on Plan 28839, Burrup

3. Area of Clearing

The Permit Holder must not clear more than 0.2 hectares of native vegetation within the combined areas hatched yellow on attached Plan 4982/1a and Plan 4982/1b and Plan 4982/1c.

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.

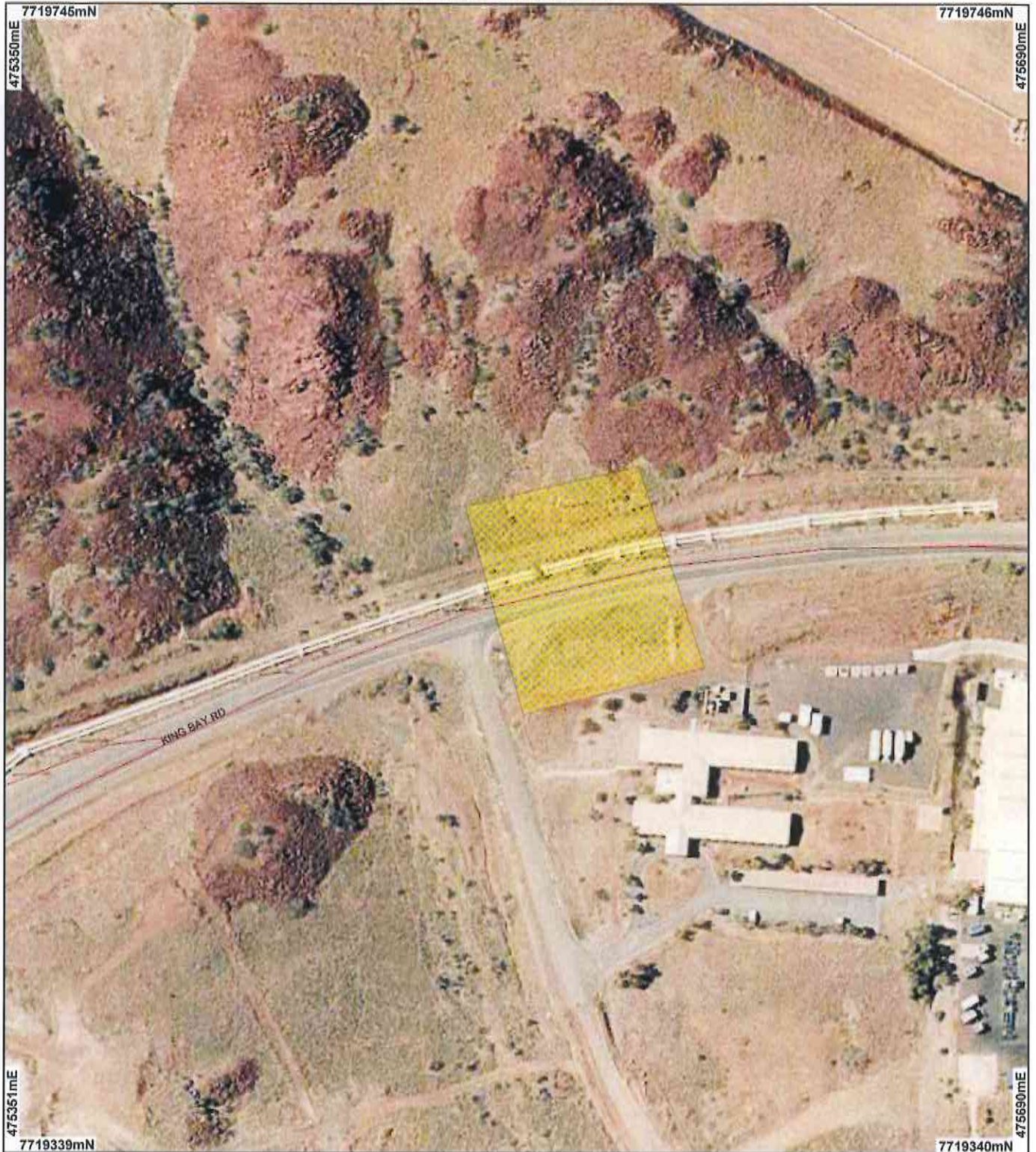
A handwritten signature in black ink, appearing to be "K Faulkner", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

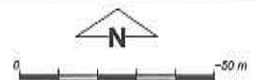
10 May 2012

Plan 4982/1a



LEGEND

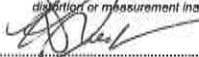
- | | |
|---|--|
|  Clearing Instruments |  Damper and Extensions 50cm |
|  Areas Approved to Clear |  Orthomosaic - Landgate |
|  Road Centrelines |  2008 |
|  DEC Regions | |



Scale 1:1872
(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 19/5/12

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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* Project Data. This data has not been quality assured. Please contact map author for details.

Plan 4982/1b



LEGEND

- | | |
|---|---|
| <p>Clearing Instruments</p> <ul style="list-style-type: none">  Areas Approved to Clear  Road Centrelines  DEC Regions | <p>Dampier and Extensions 50cm
Orthomosaic - Landgate
2008</p> |
|---|---|

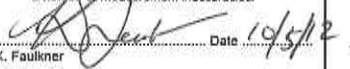


0 ————— 75 m

Scale 1:2607
(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 10/5/12

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.



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Environment and Conservation

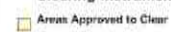
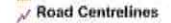
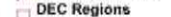
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Plan 4982/1c



LEGEND

Clearing Instruments

-  Areas Approved to Clear
-  Road Centrelines
-  DEC Regions

Dampier and Extensions 50cm
Orthomosaic - Landgate
2008



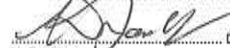
0 ————— 50 m

Scale 1:2024

(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 10/5/24
K. Faulkner

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the Environmental Protection Act 1986

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1. Application details

1.1. Permit application details

Permit application No.: 4982/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Regional Power Corporation TA Horizon Power

1.3. Property details

Property: LOT 646 ON PLAN 28839 (BURRUP 6714)
LOT 641 ON PLAN 29300 (BURRUP 6714)
LOT 642 ON PLAN 29300 (BURRUP 6714)
Local Government Area: Roebourne

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.2		Mechanical Removal	Water/gas/cable/pipeline/power installation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 10 May 2012

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 area under application is mapped as Beard's Abydos Plain-Roebourne 117 vegetation association, typically hummock grasslands mixed with grass steppe and soft spinfex (Hopkins, 2001)	The proposal is to clear a total of 0.2 hectares of native vegetation at two locations within Burrup Road reserve and at one location within King Bay Road reserve for the purposes of constructing new power poles and trenching underground powerlines. The vegetation under application appears typical of Beard's Abydos Plain-Roebourne 117 vegetation association - hummock grasslands mixed with grass steppe and soft spinfex (Horizon Power, 2012).	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	Vegetation condition obtained from photographs supplied with application (Horizon Power, 2012)

3. Assessment of application against clearing principles

Comments

The application to clear a total of 0.2 hectares of native vegetation at three locations within two road reserves for the purposes of installing new power poles and trenching powerlines underground is unlikely to have any significant environmental impacts.

The vegetation under application appears to be typical of Beard's Abydos Plain-Roebourne 117 vegetation association, being hummock grasslands mixed with grass steppe and soft spinfex (Hopkins, 2001; Horizon Power, 2012). The vegetation is also well represented regionally and locally (Government of Western Australia, 2011).

Rocky outcropping in the form of boulder scree (cobbles to small boulders) with shallow soils, characterise the three areas under application (Horizon Power, 2012; WA Herbarium, 1998-; Northcote, 1960-68).

Three priority listed flora species (two Priority 3 and one Priority 4) occur within the same vegetation, soil type and boulder scree habitat as the area under application. These species are well represented in the Pilbara Region and it is unlikely the small amount of clearing (less than 0.06ha at each site) would impact their

conservation status (WA Herbarium, 1998-).

There are no declared rare flora or threatened ecological communities in the vicinity of the project. The loss of 0.2ha of this vegetation type would not have a detrimental impact on fauna.

The assessment of the application identified that the clearing is not at variance to any of the principles.

Methodology References:

- Dampier and extensions 50cm Orthomosaic-Landgate 2008
- Hopkins (2001)
- Government of Western Australia (2011)
- Keighery (1994)
- Northcote, et al (1960-68)
- Horizon Power (2012)

GIS databases:

- Clearing Regulations - Environmentally Sensitive Areas
- Hydrography, linear
- Pre-European vegetation
- SAC Biodatasets (Accessed May 2012)
- Soils Statewide
- WA Herbarium (1998-)

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

Comments

No submissions from the public have been received.
The application area falls within the Burrup Peninsula Murujuga Aboriginal Site of Significance.

Methodology

4. References

- Government of Western Australia. (2011). 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.
- Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.
- Horizon Power (2012) Application to clear native vegetation CPS 4982/1 received 2 April 2012. (DEC Ref: A489459)
- 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.
- Sac Bio Datasets (May 2012). Department of Environment and Conservation, Sac Bio Datasets, Kensington, Western Australia
- Western Australian Herbarium (1998?). FloraBase ? The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> Accessed May 2012.

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)