



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5732/1
Permit Holder:	Regional Power Corporation TA Horizon Power
Duration of Permit:	From 2 November 2013 to 2 November 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 installing underground power cables.

2. Land on which clearing is to be done

Lot 167 on Deposited Plan 185321 - Reserve 38009, Wickham

Lot 366 on Deposited Plan 193042 - Reserve 46200, Wickham

Lot 392 on Deposited Plan 217328, Wickham

Lot 607 on Deposited Plan 71797, Wickham

Lot 707 on Deposited Plan 31274, Wickham

Lot 750 on Deposited Plan 219430, Wickham

Unallocated Crown land (PIN 11261384 and PIN 11261386), Wickham

Point Samson – Roebourne Road reserve (PIN 11947610 and PIN 11254981), Wickham

3. Area of Clearing

The Permit Holder must not clear more than 0.6 hectares of native vegetation within the area shaded yellow on attached Plan 5732/1.

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. 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 Operators (Powers) Act 1979* or any other written law.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

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.

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

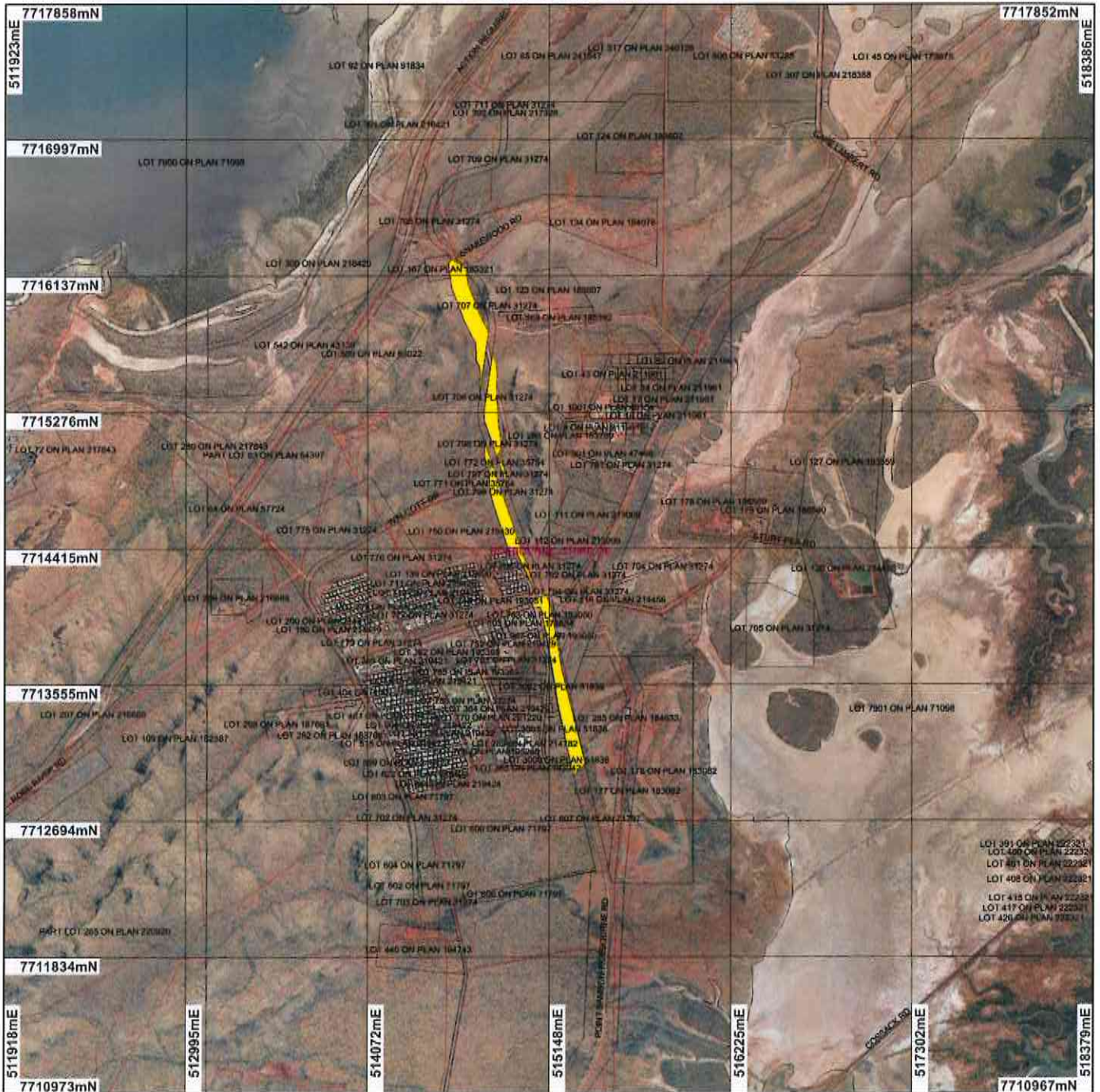


M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

3 October 2013

Plan 5732/1



LEGEND

- Road Centrelines
 - Local Government Authorities
 - Clearing Instruments
 - Areas Approved to Clear
- Roebooms 50cm Orthomosaic - Landgate 2007



Scale 1:34402
(Approximate when reproduced at Letter)

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 3/10/17

M. Warnock
Officer with delegated authority under Section 20 of the Environmental Protection Act 1985

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



Clearing Permit Decision Report

Government of Western Australia
Department of Environment Regulation

1. Application details

1.1. Permit application details

Permit application No.: 5732/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Regional Power Corporation TA Horizon Power

1.3. Property details

Property: LOT 707 ON PLAN 31274 (WICKHAM 6720)
LOT 392 ON PLAN 217328 (WICKHAM 6720)
UNALLOCATED CROWN LAND (WICKHAM 6720)
LOT 167 ON PLAN 185321 (WICKHAM 6720)
LOT 750 ON PLAN 219430 (WICKHAM 6720)
ROAD RESERVE (WICKHAM 6720)
LOT 366 ON PLAN 193042 (WICKHAM 6720)
LOT 607 ON PLAN 71797 (WICKHAM 6720)

Local Government Area: Shire of Roebourne
Colloquial name: Point Samson - Roebourne Road

1.4. Application

Clearing Area (ha) 0.6
No. Trees
Method of Clearing Mechanical Removal
For the purpose of: Water/gas/cable/pipeline/power installation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 3 October 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 157 is described as hummock grasslands and grass steppe consisting of hard spinifex and <i>Triodia wiseana</i> (Shepherd et al, 2001).	The applicant proposes to clear 0.6 hectares of native vegetation within Lot 167 on Deposited Plan 185321 - Reserve 38009, Lot 366 on Deposited Plan 193042 - Reserve 46200, Lot 392 on Deposited Plan 217328, Lot 607 on Deposited Plan 71797, Lot 707 on Deposited Plan 31274, Lot 750 on Deposited Plan 219430, unallocated Crown land, and Point Samson- Roebourne Road reserve, Wickham, for the purpose of installing underground power cables.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994) To Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	A total of five vegetation associations (shown below) were mapped within the application area. Vegetation association HPREL01 consists of <i>Acacia bivenosa</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> mid sparse shrubland over <i>Triodia epactia</i> and <i>Triodia angusta</i> mid hummock grassland. Vegetation association HPREL02 consists of <i>Senna glutinosa</i> subsp. <i>pruinosa</i> and <i>Senna glutinosa</i> subsp. <i>glutinosa</i> mid sparse shrubland over <i>Triodia schinzii</i> , <i>Cenchrus ciliaris</i> (weed) and <i>Acacia stellaticeps</i> mid hummock grassland/tussock grassland/shrubland. Vegetation association HPREL03 consists of <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> , <i>Santalum lanceolatum</i> and <i>Acacia tumida</i> var. <i>pilbarensis</i> tall open shrubland over <i>Triodia epactia</i> and <i>Acacia stellaticeps</i> mid hummock grassland/low shrubland. Vegetation association HPREL04 consists of <i>Triodia</i> sp., <i>Acacia orthocarpa</i> and <i>Indigo feramonophylla</i> low hummock grassland/shrubland. Vegetation association HPREL05 consists of <i>Acacia tumida</i> var. <i>pilbarensis</i> , <i>Grevillea wickhamii</i> subsp. <i>hispidula</i> and <i>Santalum lanceolatum</i> tall shrubland over <i>Triodia schinzii</i> , <i>Cenchrus setiger</i> (weed) and <i>Triodia epactia</i> mid hummock grassland/tussock grassland.

3. Assessment of application against clearing principles

Comments

The applicant proposes to clear 0.6 hectares of native vegetation within Lot 167 on Deposited Plan 185321 - Reserve 38009, Lot 366 on Deposited Plan 193042 - Reserve 46200, Lot 392 on Deposited Plan 217328, Lot 607 on Deposited Plan 71797, Lot 707 on Deposited Plan 31274, Lot 750 on Deposited Plan 219430, unallocated Crown land and Point Samson-Roebourne Road reserve, Wickham, for the purpose of installing underground power cables. The vegetation under application ranges from very good to degraded (Keighery, 1994) condition. The degraded areas are dominated by exotic grasses and located within close proximity to the Wickham townsite.

A targeted flora survey did not identify the presence of any threatened or priority flora species, or threatened or priority ecological communities within the application area (Ecoscape, 2013).

One fauna species of conservation significance, the rainbow bee-eater (*Merops ornatus*), was recorded within the proposed clearing (Ecoscape, 2013). Given the small size of the proposed clearing, and that the fauna habitats within the application area are well represented elsewhere within the local and regional area, it is unlikely that the vegetation under application provides significant habitat for fauna indigenous to Western Australia.

The area under application is within an extensively vegetated landscape with approximately 99 per cent of Beard vegetation Association 157 remaining within the Pilbara Bioregion (Government of Western Australia, 2011). Given the proposed clearing is for 0.6 hectares, the area under application is not considered to be a significant remnant.

Several minor non perennial watercourses run through the application area.

Given the small size of the proposed clearing and the minor non perennial nature of the watercourses, it is not likely the proposed clearing will cause appreciable land degradation, impact water quality, or cause or exacerbate the intensity of flooding.

There are no conservation areas mapped within 20 kilometres of the proposed clearing, therefore it is unlikely the proposed clearing will impact upon the environmental values of any conservation areas.

The disturbance caused by the proposed clearing will increase the likelihood of weeds spreading into adjacent vegetated areas. Weed management practices will assist in mitigating this risk of spreading weeds.

Given the above, the proposed clearing may be at variance to Principle (f) and is not likely to be at variance to any of the remaining clearing Principles.

Methodology

References:

- Keighery (1994)
- Ecoscape (2013)
- Government of Western Australia (2013)

GIS Databases:

- SAC Bio Datasets (Accessed September 2013)
- Hydrography, linear
- Hydrography, hierachy
- DEC Tenure

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

Comments

The applicant has advised that the purpose of the clearing is to install approximately 3.2 kilometres of underground cable from the existing Cape Lambert Terminal to the Wickham Terminal to replace the existing overhead network that currently supplies power to the town of Roebourne.

The Shire of Roebourne has advised that they have no objection to the proposed clearing (Shire of Roebourne, 2013).

No submissions from the public have been received for the proposed clearing.

The proposed clearing falls within the Pilbara Groundwater and Surface Water Areas, which are areas proclaimed under the Rights in Water and Irrigation (RIWI) Act 1914. The Department of Water (DoW) has advised that the proposed clearing does not require assessment under the RIWI Act 1914 and is unlikely to have an impact on the quality or quantity of groundwater (DoW, 2013).

Methodology **References:**
-DoW (2013)

GIS Databases:
-RIWI Act, Surface Water Areas
-RIWI Act, Groundwater Areas

4. References

- DoW (2013) Rights in Water and Irrigation advice for CPS 5732/1. Department of Water, Western Australia. DER Ref: A675148.
- Ecoscape (2013) Flora and Fauna Survey. Additional information for CPS 5732/1. DER Ref A657789.
- Government of Western Australia (2013); 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Parks and Wildlife, 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.
- Shire of Roebourne (2013) Direct interest submission for CPS 5732/1. DER Ref A666087.