



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 4790/1
File Number: 2011/011706-1
Duration of Permit: From 5 March 2012 to 5 March 2017

PERMIT HOLDER

Enerflex Process Pty Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Lot 154 on Deposited Plan 220164 (Mardie 6714)

PURPOSE FOR WHICH THE CLEARING MAY BE DONE

Clearing for the purpose of borrow pits.

CONDITIONS

1. Area of Clearing

The Permit Holder shall not clear more than 20.1 hectares of native vegetation within the combined areas cross-hatched yellow on attached Plan 4790/1a and Plan 4790/1b.

2. 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.

3. 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 *Land Administration Act 1997* or any other written law.

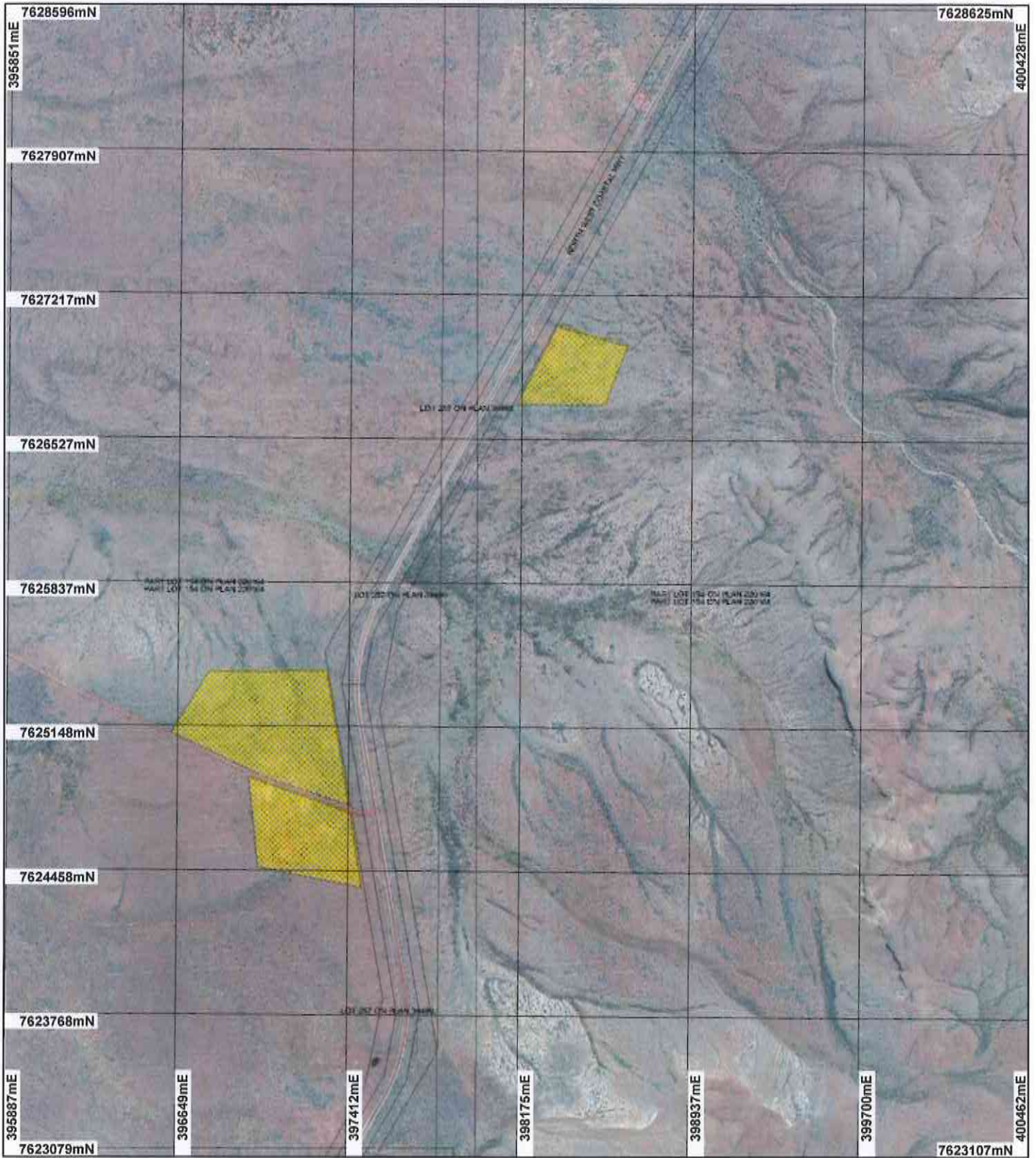
A handwritten signature in blue ink, appearing to read "K Faulkner", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

9 February 2012

Plan 4790/1a



LEGEND

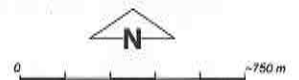
Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Cadastre
- Image Index

(cont)

- Recently added
- Coverage

Fortescue 1.4m Orthomosaic - Landgate 1998



Scale 1:25382
(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.

[Signature] Date *7/2/12*
K. Faulkner

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

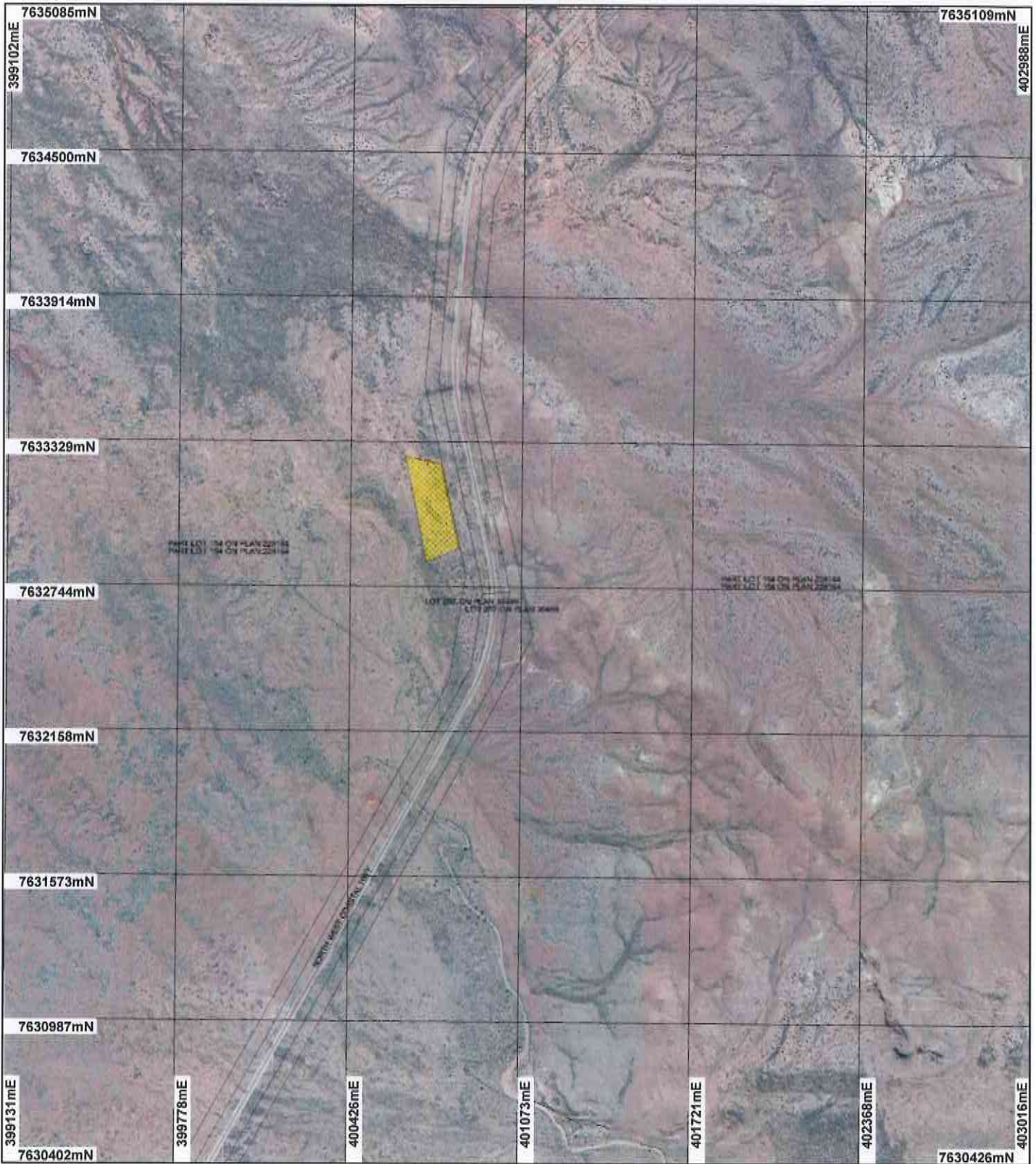
Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Department of Environment and Conservation

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Plan 4790/1b



LEGEND

Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Cadastre
- Image Index (cont)

- Recently added
- Coverage

Fortescue 1.4m Orthomosaic - Landgate 1998



Scale 1:21548

(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 7/2/12

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



1. Application details

1.1. Permit application details

Permit application No.: 4790/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Enerflex Process Pty Ltd

1.3. Property details

Property: PART LOT 154 ON PLAN 220164 (MARDIE 6714)
Local Government Area: Shire of Roebourne
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
20.1		Mechanical Removal	Geotechnical investigations

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 9 March 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 Vegetation Associations 601 and 603.	This application proposes to clear up to 20.1 hectares of native vegetation for the purpose of investigating sites for four borrow pits in order to construct the Chevron Gorgon DomGas meter station.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The condition of the vegetation was determined via a Flora and Vegetation Survey conducted by Woodman Environmental Consulting Pty Ltd (2011).
Beard Vegetation Associations 601: Mosaic: Sedgeland; various sedges with very sparse snakewood / Hummock grasslands, shrub-steppe; kanji over soft spinifex (Shepherd, 2009).	Woodman Environmental Consulting Pty Ltd (2011) conducted a Flora and Vegetation Survey over the application area and concluded that the majority of the vegetation under application was in a very good to excellent condition. One of the areas proposed to be cleared has historically been cleared for soil extraction and is therefore in a completely degraded condition (Woodman Environmental Consulting Pty Ltd, 2011).	To Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	
Beard Vegetation Associations 603: Hummock grasslands, sparse shrub steppe; Acacia bivenosa over hard spinifex (Shepherd, 2009).			

3. Assessment of application against clearing principles

Comments

This application proposes to clear up to 20.1 hectares of native vegetation within Lot 154 on Deposited Plan 220164, Mardie, for the purpose of investigating sites for four borrow pits in order to construct the Chevron Gorgon DomGas meter station.

Woodman Environmental Consulting Pty Ltd (2011) was commissioned by KD.1 Pty Ltd to conduct a Flora and Vegetation Survey over the application area and identified a total of 123 native flora taxa from 74 genera and 30 families. No rare or priority flora was identified within the project area (Woodman Environmental Consulting Pty Ltd, 2011).

The area under application is located within the Pilbara Interim Biogeographic Regionalisation of Australia (IBRA) bioregion. This IBRA bioregion has approximately 100 per cent of its Pre European vegetation extent remaining (Shepherd, 2009).

The application area is mapped as Beard Vegetation Associations 601 and 603. Both of these vegetation associations have approximately 100 per cent of their pre-European extent remaining in the Pilbara bioregion (Shepherd, 2009).

Given the limited amount of clearing proposed and the amount of native vegetation remaining in the local area, the proposed clearing is not likely to significantly impact upon biodiversity, fauna habitat or cause appreciable land degradation within the local or regional context. Given the above, the application is not likely to be at variance to any of the clearing principles.

Methodology References:
Shepherd (2009)
Woodman Environmental Consulting Pty Ltd (2011)

GIS Database:
- Pre European Vegetation
- SAC Biodatasets - accessed Jan 2011

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

Comments

The proponent has submitted an application for a Section 91 Licence to the Department of Regional Development and Lands.

There is an Aboriginal Site of Significance (Trevarten Creek Ridge) approximately 1km north of the most northern area proposed to be cleared.

The area under application falls within the Pilbara Groundwater Area which is an area proclaimed under the Rights in Water and Irrigation Act 1914.

The area under application is located within the boundaries of a registered area of interest for the Kuruma Marthudunera (combined) Native Title Claimants. A letter dated 12 January 2012, was sent to the Kuruma Marthudunera (combined) Native Title Claimants requesting comments. To date, no comment has been received.

No public submissions have been received in relation to this application.

Methodology GIS Database:
- Aboriginal Sites of Significance
- RIWI Groundwater Areas

4. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- 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.
- Woodman Environmental Consulting Pty Ltd (2011) Flora and Vegetation Survey, Enerflex DomGas Metre Station Project, Proposed Borrow Pits 2, 3, and 6. Prepared for KD.1 Pty Ltd. June 2011 (DEC Ref: A461344).

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)