



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 4328 /1
File Number: 2011/003497-1
Duration of Permit: From 4 July 2011 to 4 July 2013

PERMIT HOLDER

Department of Defence

LAND ON WHICH CLEARING IS TO BE DONE

LOT 39 ON PLAN 188553 (ST GEORGE RANGES 6728)
PART LOT 68 ON PLAN 238022 (ST GEORGE RANGES 6728)

PURPOSE FOR WHICH CLEARING IS TO BE DONE

Clearing for the purpose of constructing sewerage treatment ponds and associated pipelines, and constructing new bores and associated pipelines.

CONDITIONS

1. Type of clearing authorised

The Permit Holder shall not clear more than 4.5 hectares of native vegetation within the area shaded yellow on attached Plan 4328/1.

2. 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.

3. 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.

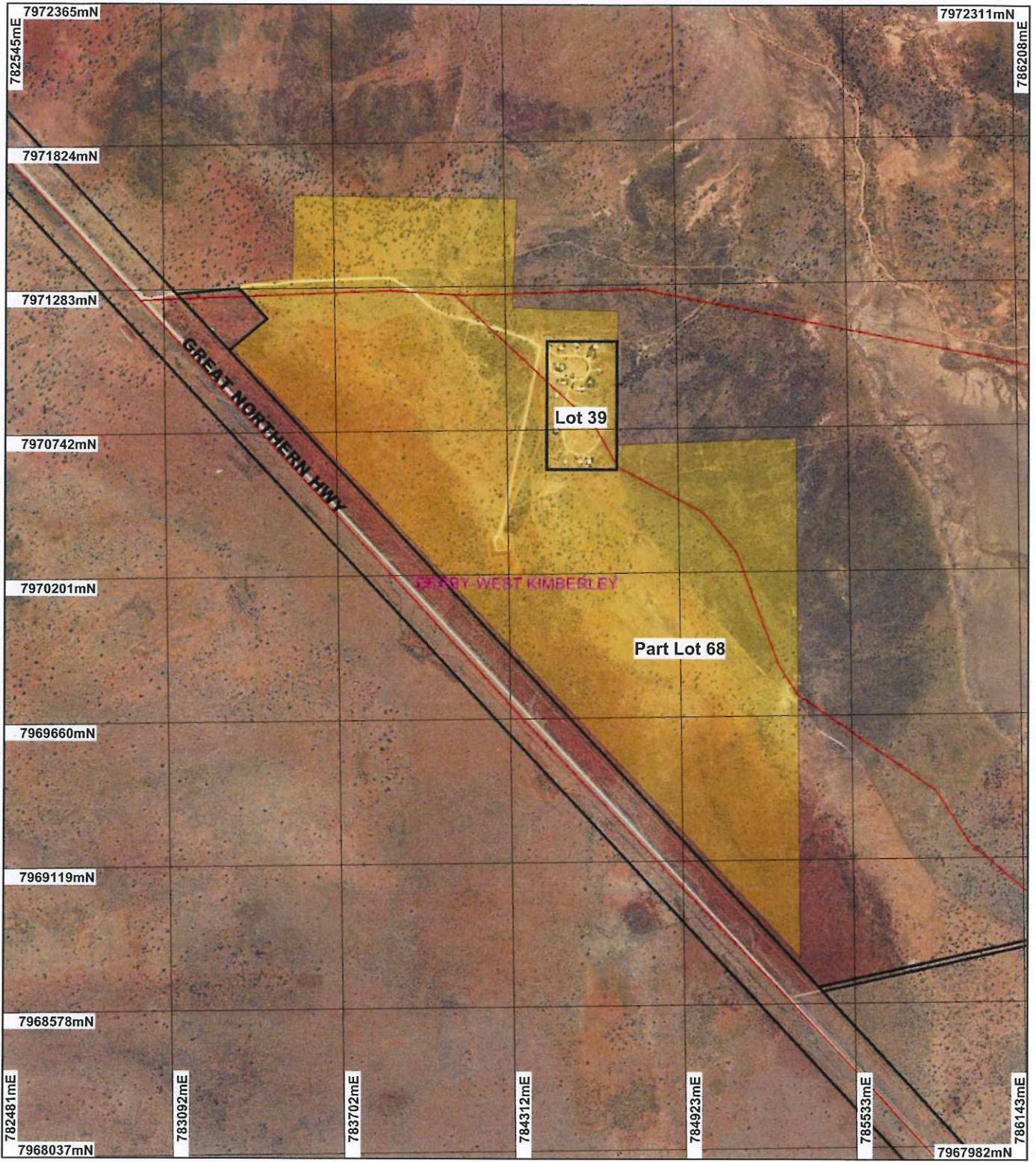
A handwritten signature in blue ink, appearing to read "K Faulkner", written over a horizontal line.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

9 June 2011

Plan 4328/1



LEGEND

- Clearing Instruments**
- Areas Approved to Clear
 - Road Centrelines
 - Cadastre
 - Local Government Authorities

Fitzroy Crossing 80cm
Orthomosaic - Landgate
2007



0 -500 m

Scale 1:20000

(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 9/6/11
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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* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 4328/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Department of Defence

1.3. Property details

Property: LOT 39 ON PLAN 188553 (ST GEORGE RANGES 6728)
PART LOT 68 ON PLAN 238022 (ST GEORGE RANGES 6728)
Local Government Area: Shire of Derby-West Kimberley
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
4.5		Mechanical Removal	Building or Structure

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 9 June 2011

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 Unit : 699 - Shrublands, pindan; Acacia eripoda shrubland with scattered low bloodwood (Eucalyptus dicromophloia) & E. setosa over soft & curly spinifex on sandplain (Hopkins et al 2001; Shepherd 2009)	The proposal is to clear 4.5 ha of native vegetation within a 260 ha footprint for the purpose of constructing sewerage treatment ponds and associated pipelines, and constructing new bores and associated pipelines for the Joy Springs Community. The vegetation under application is associated with Beard vegetation type 699 with the vegetation considered to be in degraded to very good (Keighery 1994) condition. Sections of the applied area have been subject to disturbances such as historical clearing for the existing community infrastructure.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994) to Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The vegetation description and condition was determined via aerial imagery (Fitzroy Crossing 80 cm Orthomosaic ? Landgate 2007).

3. Assessment of application against clearing principles

Comments

The proposal is to clear 4.5 ha of native vegetation within a 260 ha footprint for the purpose of constructing sewerage treatment ponds and associated pipelines, and constructing new bores and associated pipelines for the Joy Springs Community.

The vegetation under application is associated with Beard vegetation type 699 with aerial imagery showing that sections of the applied area have been subject to historical clearing for the existing community infrastructure with the vegetation considered to be in degraded to very good (Keighery 1994) condition.

The local area is highly vegetated (approximately 85%) and the vegetation types of the application area are well represented (approximately 99% of pre-European extent remaining) (Shepherd 2009); therefore the vegetation under application is not likely to be significant as fauna habitat or comprise high biodiversity values.

There are no rare flora species or threatened ecological communities within the local area (30 km radius) with one priority flora species recorded within the local area being, Cullen candidum (P1). The proposed clearing is unlikely to impact on the conservation status of this species.

There are no mapped wetlands or watercourse within the area applied with the closest surface water expression area located adjacent to the applied area, being an area subject to inundation and a minor tributary to Blariyaning Creek approximately 9 km north west.

The nearest conservation area is Geikie Gorge (located 23 km north of the applied area), recognised by the Australian Nature Conservation Agency as playing an important ecological and hydrological role in the natural functioning of a major wetland system/complex and is of outstanding historical or cultural significance. (ANCA, 1996).

The proposed clearing is not likely to significantly impact any environmental values or cause appreciable land degradation within the local or regional context. Therefore, the proposed clearing is not considered likely to be at variance to any of the clearing principles.

- Methodology** References:
- ANCA (1996)
 - Keighery (1994)
 - Shepherd (2009)
- GIS databases:
- DEC, Tenure
 - Fitzroy Crossing 80 cm Orthomosaic ? Landgate 2007
 - Hydrological, linear
 - SAC Bio Datasets accessed 2/06/2011

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

Comments

The applied area is located within the proclaimed Canning-Kimberley Groundwater and Fitzroy River Surface Water areas.

Department of Water (2011) has advised that any commercial use for ground water or surface water, and constructing or altering a well for the construction of production and monitoring bores would require licences. DoW has not received any licence applications for the proposal. The Department of Defence is encouraged to contact licensing staff at DoW Kununurra office to discuss their licensing requirements.

Kimberley Land Council document advises that an Aboriginal Heritage Survey has been completed and a report is being prepared, and the proposed works at Joy Springs Community have been cleared with no conditions (Department of Defence 2011).

Part Lot 68 is part of Crown Lease 735/1994, under section 186(1)(b) of the Land Administration Act 1997 approval has been authorised for the construction of the Waste Water Treatment Plant for the Joy Springs Community (Department of Defence 2011).

There is an agreement to construct between the Australian Army and Joy Springs Community (located on Lot 39) for water and sewer works (Department of Defence 2011).

- Methodology** References:
- Department of Water (2011)
 - Department of Defence (2011)
- GIS Databases:
- Cadastre
 - RIWI Act, GroundWater Areas
 - RIWI Act, SurfaceWater Areas, Irrigation Districts

4. References

ANCA (1996) A Directory of Important Wetlands in Australia. Second Edition. Australian Nature Conservation Agency, Canberra

Department of Defence (2011) Original and Revised Application to Clear and Supporting Information for CPS 4328/1. DEC Ref A389150, A400880 and A400985

Department of Water (2011) Direct Interest Submission for Lots 39 and 68, Shire of Derby-West Kimberley. DEC Ref A400925

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.

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)