



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5646/1
Permit Holder:	Shire of Derby-West Kimberley
Duration of Permit:	7 September 2013 – 7 September 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 expanding an existing landfill site.

2. Land on which clearing is to be done

Lot 451 on Deposited Plan 76785 (Reserve 41105), King Leopold Ranges

3. Area of Clearing

The Permit Holder must not clear more than 4.5131 hectares of native vegetation within the area hatched yellow on attached Plan 5646/1.

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 right to access land under the *Land Administration Act 1997* 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; or
- (c) not indigenous to the area concerned.

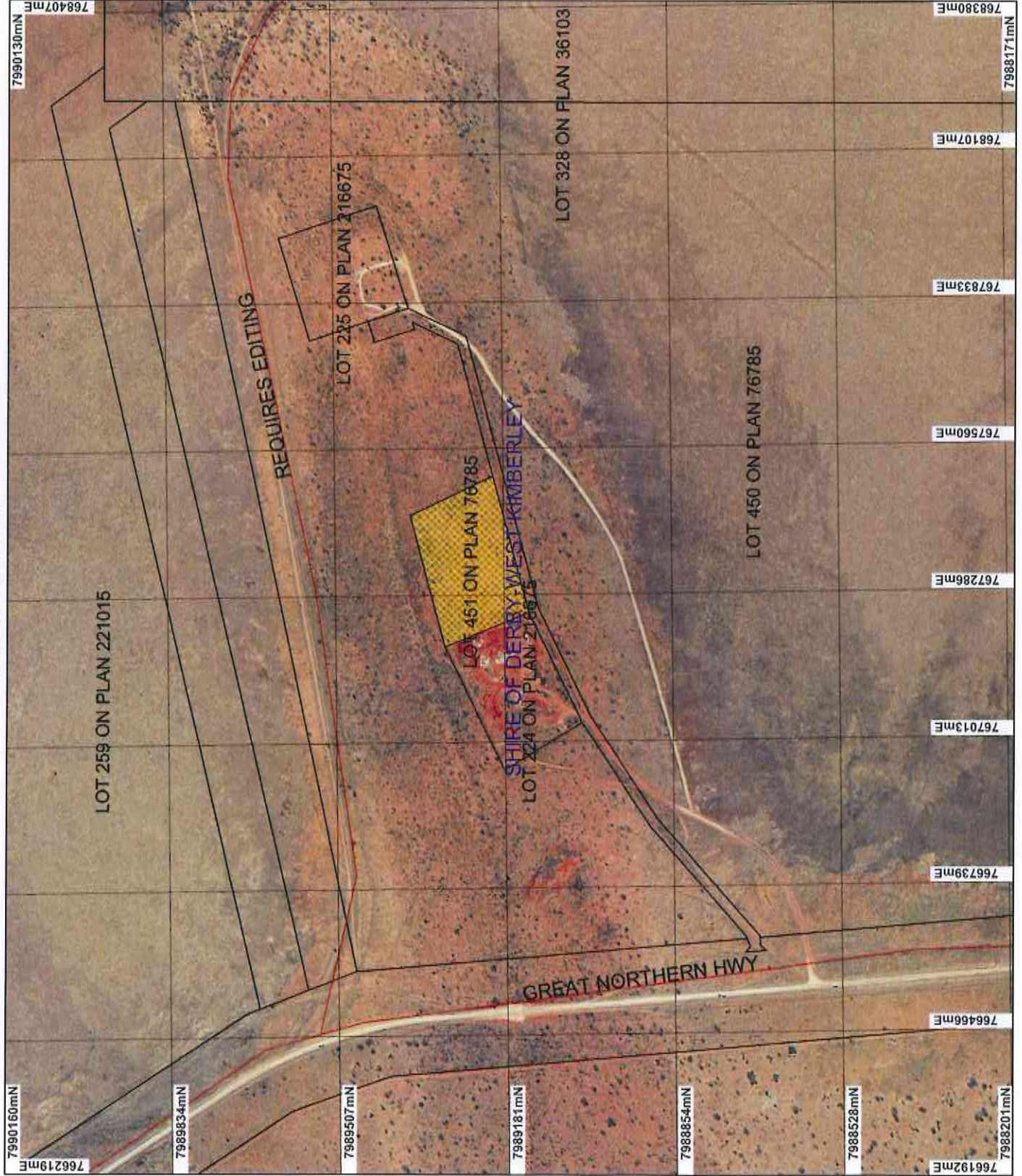


M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

8 August 2013

Plan 5646/1



LEGEND

- Clearing Instruments
- Areas Approved to Clear
- Cadastral
- Local Government Authorities
- Road Centrelines
- Fitzroy Crossing 80cm Orthomosaic - Landgate 2007

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



Scale 1:10000
 (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.

Completed Date *2/8/13*
 M Warnock

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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1. Application details

1.1. Permit application details

Permit application No.: 5646/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Derby-West Kimberley

1.3. Property details

Property: LOT 281 ON PLAN 92277 (KING LEOPOLD RANGES 6728)
Local Government Area: Shire of Derby-West Kimberley
Colloquial name: Fitzroy Crossing Landfill Expansion

1.4. Application

Clearing Area (hectares)	No. Trees	Method of Clearing	For the purpose of:
4.513		Mechanical Removal	Infrastructure Maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 8 August 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
The area under application has been mapped as the following vegetation types: Beard vegetation association 699: North Fitzroy Plains - Shrublands, pindan; Acacia eripoda shrubland with scattered low bloodwood (Eucalyptus dicromophloia) & E. setosa over soft & curly spinifex on sandplain (Shepherd et al. 2001). Beard vegetation association 706: Fitzroy-Lennard Flood Plains - Grasslands, tall bunch grass savanna, mitchell & ribbon/blue grass (Shepherd et al. 2001).	Fitzroy Crossing Landfill Expansion. This application is to clear 4.5131 hectares of native vegetation within Lot 451 on Deposited Plan 76785 (Reserve 41105), King Leopold Ranges, Shire of Derby-West Kimberley, for the purpose of expanding an existing landfill site.	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994) To Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	Flora within the application area is described as low open woodland/shrubland consisting mostly of Acacia spp., Eucalyptus spp. and Bauhinia cunninghamii overstorey. The understorey contains Cenchrus spp., Corchorus pumilio, Gomphrena spp., Gossypium australe and unidentified grasses of moderate density (DPaW 2013). Grasses include Triodia spp. (Shire of Derby West Kimberley 2013). Vegetation description and condition were determined from a site inspection (DPaW 2013), photographs provided by the applicant (Shire of Derby West Kimberley 2013) and aerial imagery (Fitzroy Crossing 80cm Orthomosaic - Landgate 2007).

3. Assessment of application against clearing principles

Comments

The application is to clear 4.5131 hectares of native vegetation for the purpose of expanding an existing landfill site. The adjacent property is currently used for landfill. There is little development in the local area (30 kilometre radius). The application area is located approximately 5 kilometres from the Fitzroy Crossing town site. The vegetation is considered to be in an excellent (Keighery 1994) to very good (Keighery 1994) condition. There is some evidence of a recent fire impact, and some weeds present within the application area (DPaW 2013). Weed control management could help to reduce the spread of weeds and maintain the condition of surrounding vegetation.

There are no priority ecological communities within the local area (30 kilometre radius). There are six species of priority flora within the local area (30 kilometre radius). The application area contains the same mapped soil and vegetation type as recorded for some of these priority species. The application area may contain suitable habitat for three of the six priority flora species, although little information is recorded for these species. No priority species were identified during the site inspection; however the site inspection was not performed by a trained botanist (DPaW 2013). Given the high percentage of remaining vegetation (Government of Western Australia 2013), the application is unlikely to significantly decrease the level of biological diversity within the local area.

There are three fauna species listed as rare or likely to become extinct under the Wildlife Conservation Act

1950 (DEC 2007-) within the local area (30 kilometre radius). This includes the Purple-crowned Fairy-wren, *Malurus coronatus* and *Malurus coronatus* subsp. *coranatus*; the Orange Leafnosed-bat, *Rhinonicteris aurantius*; and the Australian Painted Snipe, *Rostratula benghalensis* subsp. *australis*. The application area does not contain the preferred habitat of these species. The proposed clearing is therefore unlikely to remove significant habitat for these species.

There are no records of rare flora species (DPaW 2013) or threatened ecological communities within the local area (30 kilometre radius). The application area is mapped within the Dampierland IBRA Bioregion, which retains approximately 8 319 872 hectares (99 – 100 percent) of its pre-European extent (Government of Western Australia 2013). The Shire of Derby-West Kimberley and Beard vegetation associations 699 and 706 also retain 99 – 100 percent of native vegetation within the Dampierland IBRA Bioregion (Government of Western Australia 2013).

Given the high percentage of remaining native vegetation (Government of Western Australia 2013) and the relatively small area under application, the proposed clearing is unlikely to cause or exacerbate land degradation or flooding. There are no conservation areas within the vicinity of the application area.

There does not appear to be riparian vegetation within the application area. No hydrological features were observed within the application area during the site inspection (DPaW 2013). The proposed clearing is therefore unlikely to cause deterioration in the quality of surface water. Given the size of the application area and the high percentage of remaining vegetation within the local area (Government of Western Australia 2013), the proposed clearing is unlikely to cause deterioration in the quality of groundwater.

The proposed clearing is not at variance to principle (e) and is not likely to be at variance to the remaining clearing principles.

Methodology

References:

DEC 2007-
DPaW 2013
Government of Western Australia 2013
Keighery 1994

GIS databases:

- Cadastre
- DEC Managed Lands
- Fitzroy Crossing 80cm Orthomosaic - Landgate 2007
- Hydrography, Linear
- Local Government Authority
- SAC Biodatasets – accessed 25/6/13

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

Comments

The application area is within the Canning-Kimberley Groundwater and Fitzroy River and Tributaries Surface Water Areas covered under the Rights in Water and Irrigation Act 1914.

Works approval for this project is pending the delivery of land tenure documents. No problems were identified by the Industry Regulation Branch during their assessment.

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

Methodology

GIS databases:

- RIWI Act, Surface Water Areas, Irrigation Districts

4. References

- DEC (2007-) NatureMap Species Report, created by guest user on 17/06/13 (A644062).
- DPaW (2013) Site Inspection Report Native Vegetation Conservation CPS 5646/1, conducted on 1/07/13 (A653113).
- Government of Western Australia. (2013). 2012 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). Current as of October 2012. WA Department of Environment and Conservation, 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 Derby West Kimberley (2013) Photos of application area. Received by the Native Vegetation Conservation Branch on 12/07/13 (A650257).

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)