



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 5760/1

File Number: 2011/006870-1

Duration of Permit: From 7 December 2013 to 7 December 2015

PERMIT HOLDER

Shire of Morawa

LAND ON WHICH CLEARING IS TO BE DONE

Lot 356 on Deposited Plan 210111 (MORAWA 6623)

Lot 50 on Diagram 12043 (MORAWA 6623)

Lot 468 on Deposited Plan 221038 (MORAWA 6623)

Lot 503 on Deposited Plan 56069 (MORAWA 6623)

Lot 439 on Deposited Plan 191616 (MORAWA 6623)

Lot 3002 on Deposited Plan 43387 (MORAWA 6623)

Unnamed road reserve PIN 11455206 (MORAWA 6623)

Mullewa-Wubin Road reserve PIN 11487588 (MORAWA 6623)

Winfield Street road reserve PIN 11455208 (MORAWA 6623)

Winfield Street road reserve PIN 11455195 (MORAWA 6623)

Railway reserve PIN 561747 (MORAWA 6623)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 1.91 hectares of native vegetation within the combined areas hatched yellow on attached Plan 5760/1 (a) and Plan 5760/1 (b).

CONDITIONS

Nil.

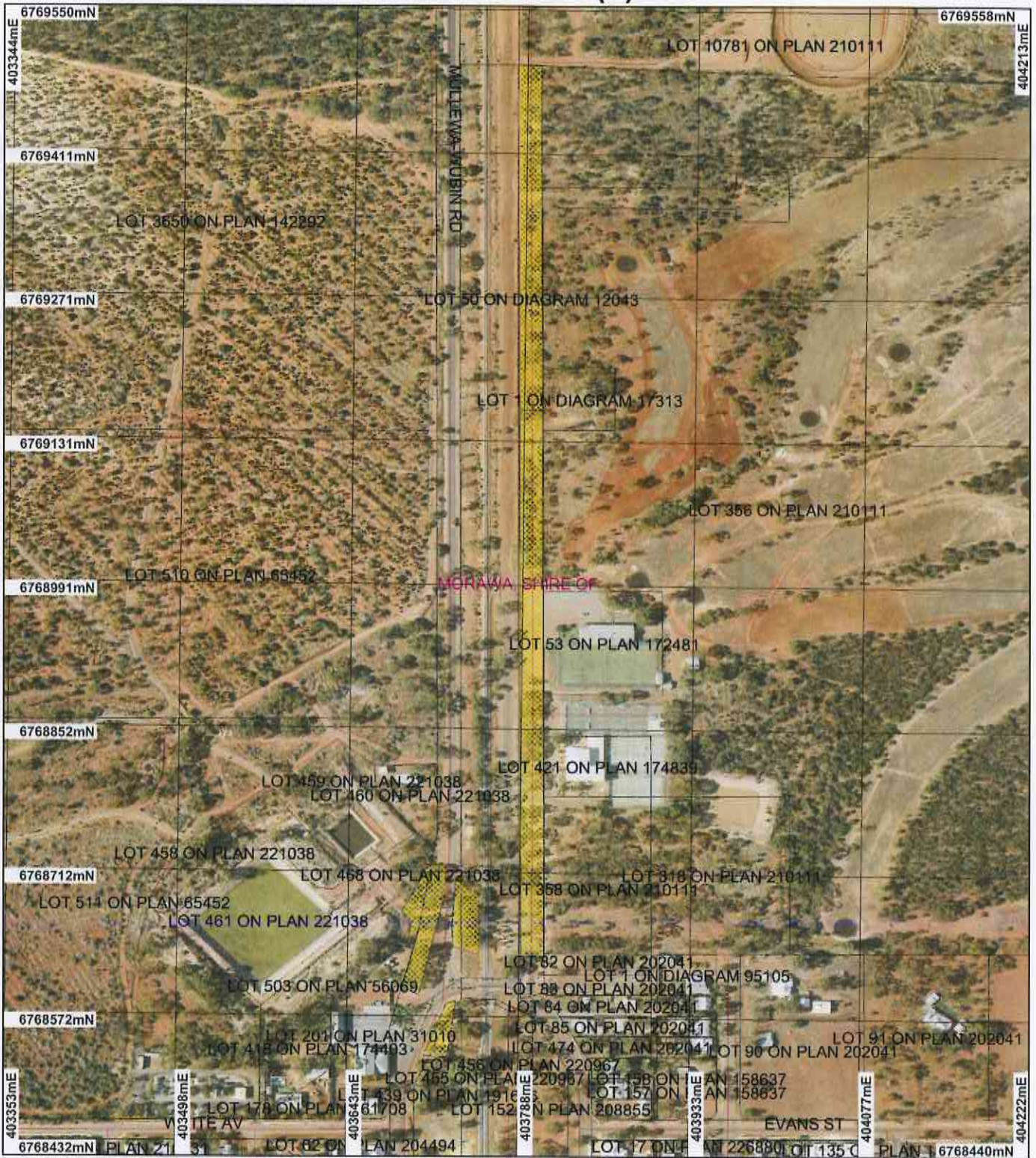
A handwritten signature in cursive script, appearing to read 'M Warnock', written over a horizontal line.

M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

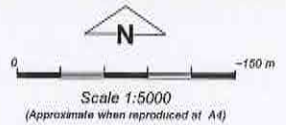
7 November 2013

Plan 5760/1 (a)



LEGEND

- | | |
|---|---|
| Clearing Instruments | <input type="checkbox"/> Local Government Authorities |
| Areas Approved to Clear | Morawa Townsite 20cm Orthomosaic - Landgate 2006 |
| Road Centrelines | |
| <input type="checkbox"/> Cadastre | |
| <input type="checkbox"/> Cadastre for labelling | |



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 7/11/13

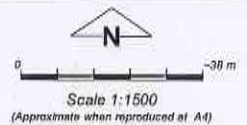
M Warnock
 Officer with delegated authority under Section 20 of the Environmental Protection Act 1986
 Information derived from this map should be confirmed with the date custodian acknowledged by the agency acronym in the legend.

Plan 5760/1 (b)



LEGEND

- | | |
|---|---|
| Clearing Instruments | <input type="checkbox"/> Local Government Authorities |
| Area Approved to Clear | Morawa Townsite 20cm Orthomosaic - Landgate 2006 |
| Road Centrelines | |
| <input type="checkbox"/> Cadastre | |
| <input type="checkbox"/> Cadastre for labelling | |



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 7/11/13
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.



Government of Western Australia
Department of Environment Regulation

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1. Application details

1.1. Permit application details

Permit application No.: 5760/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Morawa

1.3. Property details

Property:
UNNAMED ROAD RESERVE PIN 11455206 (MORAWA 6623)
LOT 439 ON DEPOSITED PLAN 191616 (MORAWA 6623)
LOT 503 ON DEPOSITED PLAN 56069 (MORAWA 6623)
LOT 468 ON DEPOSITED PLAN 221038 (MORAWA 6623)
MULLEWA-WUBIN ROAD RESERVE PIN 11487588 (MORAWA 6623)
RAILWAY RESERVE PIN 561747 (MORAWA 6623)
LOT 356 ON DEPOSITED PLAN 210111 (MORAWA 6623)
LOT 50 ON DIAGRAM 12043 (MORAWA 6623)
WINFIELD STREET ROAD RESERVE PIN 11455208 (MORAWA 6623)
WINFIELD STREET ROAD RESERVE PIN 11455195 (MORAWA 6623)
LOT 3002 ON PLAN 43387 (MORAWA 6623)

Local Government Area: Shire of Morawa

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
1.91		Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 7 November 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 142 is described as medium woodland; York gum and salmon gum (Shepherd et al 2001).	The clearing of 1.91 hectares of native vegetation within Lot 50 on Diagram 12043, Lot 201 on Deposited Plan 31010, Lot 356 on Deposited Plan 210111, Lot 439 on Deposited Plan 191616, Lot 468 on Deposited Plan 221038, Lot 503 on Deposited Plan 56069, Lot 3002 on Deposited Plan 43387, railway reserve, Mullewa-Wubin Road, Winfield Street and unnamed road reserves, Morawa, Shire of Morawa, is for the purpose of road construction.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994) To Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994).	The application is to clear 1.91 hectares of native vegetation for the purpose of road construction. The northern portion of the application area (north of Solomon Terrace) contains native York Gums on both sides of the Wubin-Mullewa Road with a sparse understorey of non-native species (PGV Environmental 2013). The central portion of the application area consists predominantly of planted River Red Gums and other native trees and shrubs that were planted to promote the region's wildflowers. The species planted include a variety of small Eucalyptus sp., Melaleuca sp., Hakea sp., Grevillea sp., Calothamnus sp. and Allocasuarina sp. Three York Gums occur between the road and the carpark which appear to be naturally occurring rather than planted, and there is a stand of York Gums just south of Solomon Terrace which appear to have been planted (PGV Environmental 2013).

The southern portion of the application area (south of Stokes Road) contains a few native Eucalyptus trees which appear to be naturally occurring, as well as one

River Red Gum which is not native to the local area. The native trees are mostly small York Gums and one Red Morrel. The understorey consists of a few *Acacia ligulata* shrubs but is otherwise devoid of native vegetation (PGV Environmental 2013).

The vegetation within the application area has undergone disturbance from extensive clearing and pedestrian/vehicle usage as it is located in the centre of the townsite (PGV Environmental 2013).

The condition of the vegetation is considered to be degraded (Keighery 1994) for the northern and southern extremities of the application area containing small stands of remnant vegetation, and the remainder is in a completely degraded (Keighery 1994) condition (PGV Environmental 2013).

The description and condition of the vegetation was determined using an environmental assessment report provided by the applicant (PGV Environmental 2013) and using aerial imagery (Morawa Townsite 20cm Orthomosaic - Landgate 2006).

3. Assessment of application against clearing principles

Comments

The application is to clear 1.91 hectares of native vegetation for the purpose of road construction.

The vegetation proposed to be cleared is in a degraded to completely degraded (Keighery 1994) condition and consists of scattered trees with minimal understorey. The area under application is located in the centre of the Morawa townsite alongside a main road and the majority of the trees were deliberately planted to enhance the aesthetics of the town. The trees are not mature enough to contain hollows (PGV Environmental 2013).

Due to the small size and linear nature of the area under application, the degraded to completely degraded (Keighery 1994) condition, lack of understorey and the level of disturbance, the proposed clearing is unlikely to impact upon flora, fauna or ecological communities of conservation significance, or contain high biodiversity.

The application occurs within an extensively cleared area, with approximately 10 per cent of the original extent of native vegetation remaining within a 10 kilometre radius. The mapped Beard Vegetation Association 142 retains approximately 12 per cent of the original extent within the Avon Wheatbelt IBRA Bioregion (Government of Western Australia 2013), which is below the target threshold. Although the area has been extensively cleared, the area under application is not considered to be significant as a remnant, due to the small size, degraded to completely degraded (Keighery 1994) condition and the level of disturbance.

There are no conservation areas mapped within a 10 kilometre radius and there are no watercourses intersecting the application area. The proposed clearing is unlikely to cause or exacerbate land degradation or flooding or impact on water quality.

Considering the above, the application is not likely to be at variance to the clearing principles.

Methodology

References

- Government of Western Australia (2013)
 - Keighery (1994)
 - PGV Environmental (2013)
- ##### GIS Databases
- DEC tenure
 - Hydrography, linear DOW
 - NWLRA, Extent of Native Vegetation
 - Pre-European vegetation
 - SAC Biodatasets - accessed October 2013

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

Comments

The application is to clear 1.91 hectares of native vegetation for the purpose of road construction.

The Department of Parks and Wildlife Midwest Region has no objection to the proposed clearing (DPaW 2013).

No public submissions have been received.

The grant of a clearing permit may constitute a future act under the *Native Title Act 1993* (NT Act). Accordingly, by a letter dated 4 September 2013, the Department of Environment Regulation has notified the Mullewa Wadjari Community native title claimants, the Widi Mob native title claimants and the Amangu People native title claimants and the Yamatji Marlpa Aboriginal Corporation, pursuant to Section 24KA s8 of the NT Act, of this application to clear native vegetation. Additionally, the small southern portion of the application area is within Merkanooka Station Aboriginal Site of Significance. It is the Shire of Morawa's responsibility to ensure compliance with any obligations under the Aboriginal Heritage Act 1972.

The area under application is zoned as public open space, railway, public purposes and commercial under the Town Planning Scheme Zones.

Methodology	References
	- DPaW (2013)
	GIS Databases
	- Aboriginal Sites of Significance
	- Town Planning Scheme Zones

4. References

- DPaW (2013) Advice regarding Clearing Permit Application CPS 5760/1, provided by Department of Parks and Wildlife Midwest Region, 21 October 2013 (DER Ref: A691946).
- 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.
- PGV Environmental (2013) Morawa Main Freight Road Realignment Environmental Assessment, prepared for Landcorp, Report No. 2013-100, 5 July 2013 (DER Ref: A664378).
- 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
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation (now DER)
DER	Department of Environment Regulation (formerly 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