



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4570/1

File Number: 2011/006910-1

Duration of Permit: From 31 October 2011 to 31 October 2013

PERMIT HOLDER

Shire of Woodanilling

LAND ON WHICH CLEARING IS TO BE DONE

Onslow Road reserve (Carrolup 6317)

Quatermaine Road reserve (Cherry Tree Pool 6395)

Harvey Road reserve (Cartmeticup 6316)

Cronin Road reserve (Cartmeticup 6316)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.32 hectares of native vegetation within the area shaded yellow on attached Plan 4570/1a and Plan 4570/1b.

CONDITIONS

1. Avoid, minimise etc clearing

In determining the amount of native vegetation to be cleared authorised under this Permit, the Permit Holder must have regard to the following principles, set out in order of preference:

- (a) avoid the clearing of native vegetation;
- (b) minimise the amount of native vegetation to be cleared; and
- (c) reduce the impact of clearing on any environmental value.

2. 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*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

3. Watercourse

- (a) Where practicable the Permit Holder shall avoid clearing riparian vegetation.
- (b) Where a watercourse or wetland is to be impacted by clearing, the Permit Holder shall maintain the existing surface flow by use of culverts.

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 a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.

riparian vegetation has the meaning given to it in Regulation 3 of the Environmental Protection (Clearing of Native Vegetation) Regulations 2004;

watercourse has the meaning given to it in section 3 of the *Rights in Water and Irrigation Act 1914*;

wetland/s means an area of seasonally, intermittently or permanently waterlogged or inundated land, whether natural or otherwise, and includes a lake, swamp, marsh, spring, dampland, tidal flat or estuary.

weed/s means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.

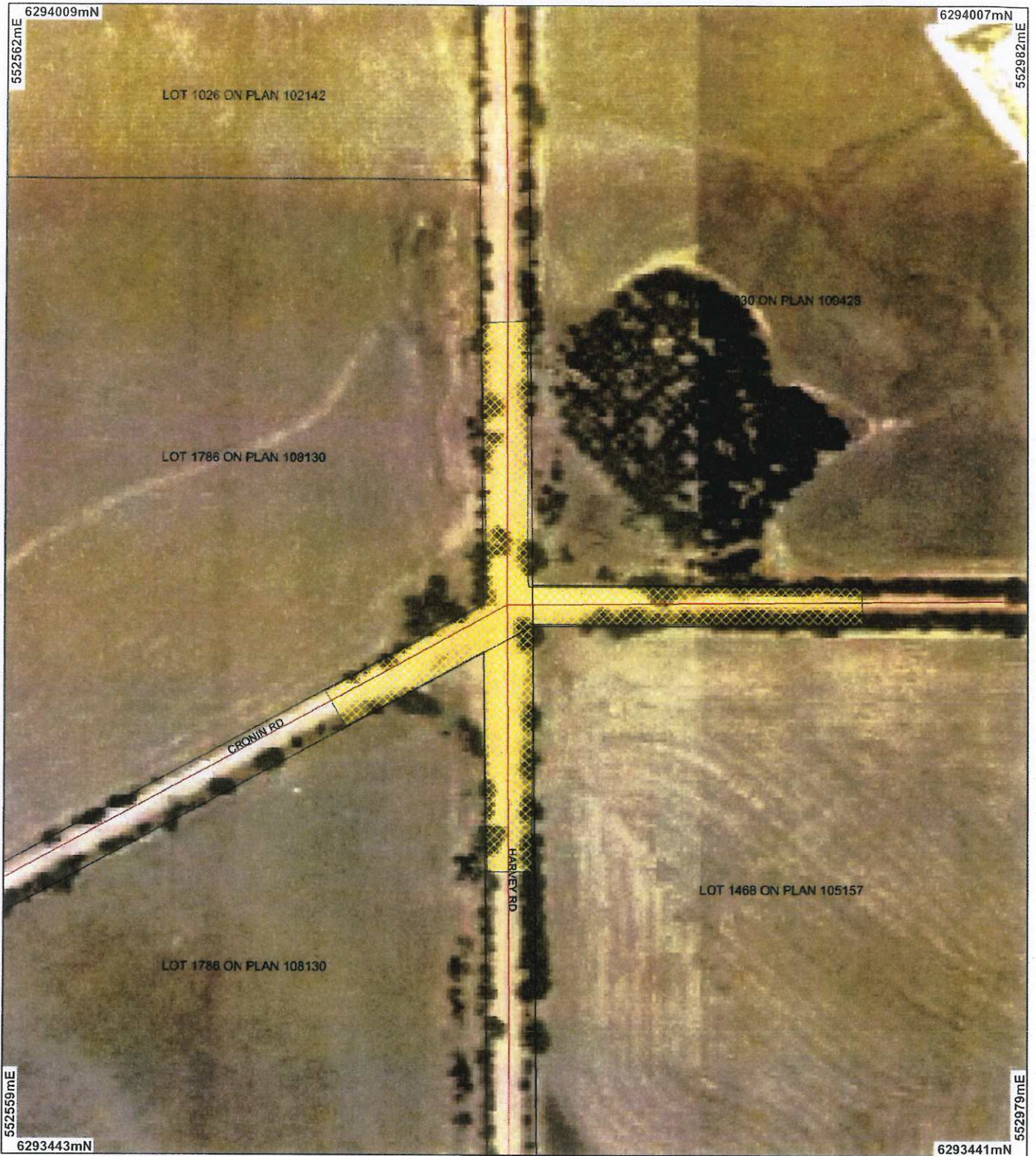


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

6 October 2011

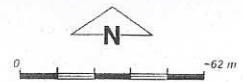
Plan 4570/1a



LEGEND

- Clearing Instruments**
-  Areas Approved to Clear
 -  Road Centrelines
 -  Cadastre for labelling
 -  Dumbleyung Kukerin 1.4m Orthomosaic - Landgate 2006

Katanning 50cm Orthomosaic - Landgate 2006

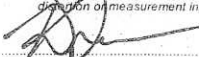


Scale 1:2491

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been corrected. This may result in geometric distortion or measurement inaccuracies.

 Date 6/9/11

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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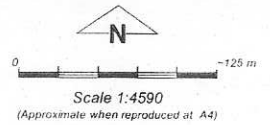
Plan 4570/1b



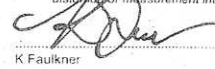
LEGEND

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Kojonup 50cm Orthomosaic -
Landgate 2006



Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

 Date 6/10/11
K Faulkner

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1. Application details

1.1. Permit application details

Permit application No.: 4570/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Woodanilling

1.3. Property details

Property: ROAD RESERVE (CARROLUP 6317)
ROAD RESERVE (CHERRY TREE POOL 6395)
ROAD RESERVE (CARTMETICUP 6316)
ROAD RESERVE (CARTMETICUP 6316)

Local Government Area: Shire of Woodanilling

Colloquial name: Road reaserves: Harvey, Onslow, Cronin and Quatermaine

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 6 October 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
The vegetation under application is mapped as Beard vegetation association:	The application is for the proposed clearing of 0.32 hectares of native vegetation within Harvey Road and Cronin Road reserves, Cartmeticup and Onslow Road and Quatermaine Road reserves, Westwood for the purpose of road reconstruction and safety.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The vegetation condition and description was determined from aerial photography and photographs provided by the applicant.
1023 Wagin described as medium woodland; york gum, wandoo and salmon gum (Shepherd, 2009).		To	
48 Beaufort described as shrublands scrub-heath (Shepherd, 2009).		Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	

3. Assessment of application against clearing principles

Comments

The application is to clear 0.32 hectares of native vegetation for the purpose of road reconstruction. 0.024 hectares of native vegetation will be cleared in the reserves of the Onslow and Quatermaine Road intersection and 0.008 hectares will be cleared in the reserves of the Harvey and Cronin Road intersection, within the Shire of Woodanilling.

The application area consists of a medium woodland of york gum, wandoo and salmon gum over a scrub heath over weeds. Both application areas range from a good to degraded (Keighery, 1994) condition.

No declared rare flora species or threatened ecological communities are known to occur in the application area or in the vicinity (30km radius).

Maragoonda nature reserve, Strathmore Hill nature reserve and an unnamed nature reserve are located within the vicinity of the application areas. Fauna and their habitats are not likely to be impacted by the proposed clearing as fauna would utilise these nature reserves for habitat and feeding purposes.

The Shire of Woodanilling has been extensively cleared and has approximately 20 per cent of its pre European extent remaining (Shepherd, 2009). In addition, vegetation association 1023 retains less than 11 per cent of its pre European extent (Shepherd, 2009).

The proposed clearing at Onslow and Quatermaine Road reserve is located within a mapped floodplain and minor non-perennial saline watercourse. The clearing may cause short term water quality issues in terms of localised surface water sedimentation. In addition, groundwater salinity in this area is 14000-35000mg/L which is highly saline. The removal of deep rooted native vegetation may impact on the salinity and groundwater levels. Given this, the proposal may be at variance to principle (e) and (i).

Due to the presence of riparian vegetation, the application is at variance to principle (f), may be at variance to principles (e) and (i) and is not likely to be at variance to the remaining clearing principles.

Methodology

References:

- Keighery (1994)
- Shepherd (2009)

GIS databases:

- DEC Tenure
- Groundwater Salinity, statewide
- Hydrography, linear
- Pre-European vegetation
- SAC Biodatasets (Accessed September 2011)
- Geomorphic Wetlands Wheatbelt

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

Comments

ording to the Town Planning Scheme mapping the application areas are within road reserve zoning and are surrounded by rural zoning.

No submissions from the public have been received.

The application areas have been surveyed by the Roadside Conservation Committee (RCC). The RCC has indicated that the Cronin and Harvey Road reserve is of low conservation value with a management goal to retain remnant trees and shrubs and encourage their regeneration. The Onslow and Quatermaine Road reserve is mapped as medium conservation value indicating that the management goal is to maintain native vegetation wherever possible, and to encourage its regeneration (RCC 2003).

The application area is within Environmental Protection Authority Position Statement No. 2 defined area (EPA 2000). EPA Position Statement No. 2 states that significant clearing of native vegetation has already occurred on agricultural land, leading to a reduction in biodiversity and increase in land salinisation, and therefore any further reduction in native vegetation through clearing for agriculture cannot be supported. The proposed clearing is not for the purpose of agriculture, therefore this Position Statement is not relevant.

Methodology

References:

- EPA (2000)
- RCC (2003)

GIS databases:

- Town Planning Scheme
- EPA Position Statement No. 2 dataset

4. References

- EPA (2000) Environmental protection of native vegetation in Western Australia. Clearing of native vegetation, with particular reference to the agricultural area. Position Statement No. 2. December 2000. Environmental Protection Authority, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- RCC (2003) A Survey of Roadside Conservation Values in the Shire of Woodaniling and Roadside Management. Roadside Conservation Committee. 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)