



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4975/1
File Number: 2011/006810-1
Duration of Permit: 10 August 2012 to 10 August 2014

PERMIT HOLDER

Shire of Brookton

LAND ON WHICH CLEARING IS TO BE DONE

Dangin-Mears Road reserve (PIN 11652878)
Austin Road reserve (PIN 1389779)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.01 hectares of native vegetation within the area hatched yellow on attached Plan 4975/1.

CONDITIONS

1. Dieback and 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* and *dieback*:

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

2. Retain vegetative material and topsoil, revegetation and rehabilitation

The Permit Holder shall:

- (a) retain the vegetative material and topsoil removed by clearing authorised under this Permit;
- (b) lay the vegetative material and topsoil retained under condition 2(a) on the area cross hatched red on attached Plan 4975/1;
- (c) deliberately *plant* and/or *direct seed* native vegetation; and
- (d) ensure only *local provenance* seeds and propagating material are used to *revegetate* and *rehabilitate* the area.

3. Records to be kept

In relation to the *revegetation* and *rehabilitation* of areas pursuant to condition 2 of this Permit:

- (a) the location of any areas *revegetated* and *rehabilitated*, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees
- (b) a description of the *revegetation* and *rehabilitation* activities undertaken
- (c) the size of the area *revegetated* and *rehabilitated* (in hectares)
- (d) the species composition, structure and density of *revegetation* and *rehabilitation*

4. Reporting

- (a) The Permit Holder must provide to the CEO on or before 31 July of each year, a written report:
- (i) of records required under condition 3 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 July and 30 June of the preceding year.
- (b) Prior to 10 May 2014, the Permit Holder must provide to the CEO a written report of records required under condition 3 of this Permit where these records have not already been provided under condition 4(a) of this Permit.

DEFINITIONS

The following meanings are given to terms used in this Permit:

dieback means the effect of *Phytophthora* species on native vegetation;

direct seeding means a method of re-establishing vegetation through the establishment of a seed bed and the introduction of seeds of the desired plant species;

dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;

fill means material used to increase the ground level, or fill a hollow;

local provenance means native vegetation seeds and propagating material from natural sources within 50 kilometres of the area cleared;

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;

planting means the re-establishment of vegetation by creating favourable soil conditions and planting seedlings of the desired species;

rehabilitate/ed/ion means actively managing an area containing native vegetation in order to improve the ecological function of that area;

revegetate/ed/ion means the re-establishment of a cover of *local provenance* native vegetation in an area using methods such as natural *regeneration*, *direct seeding* and/or *planting*, so that the species composition, structure and density is similar to pre-clearing vegetation types in that area.

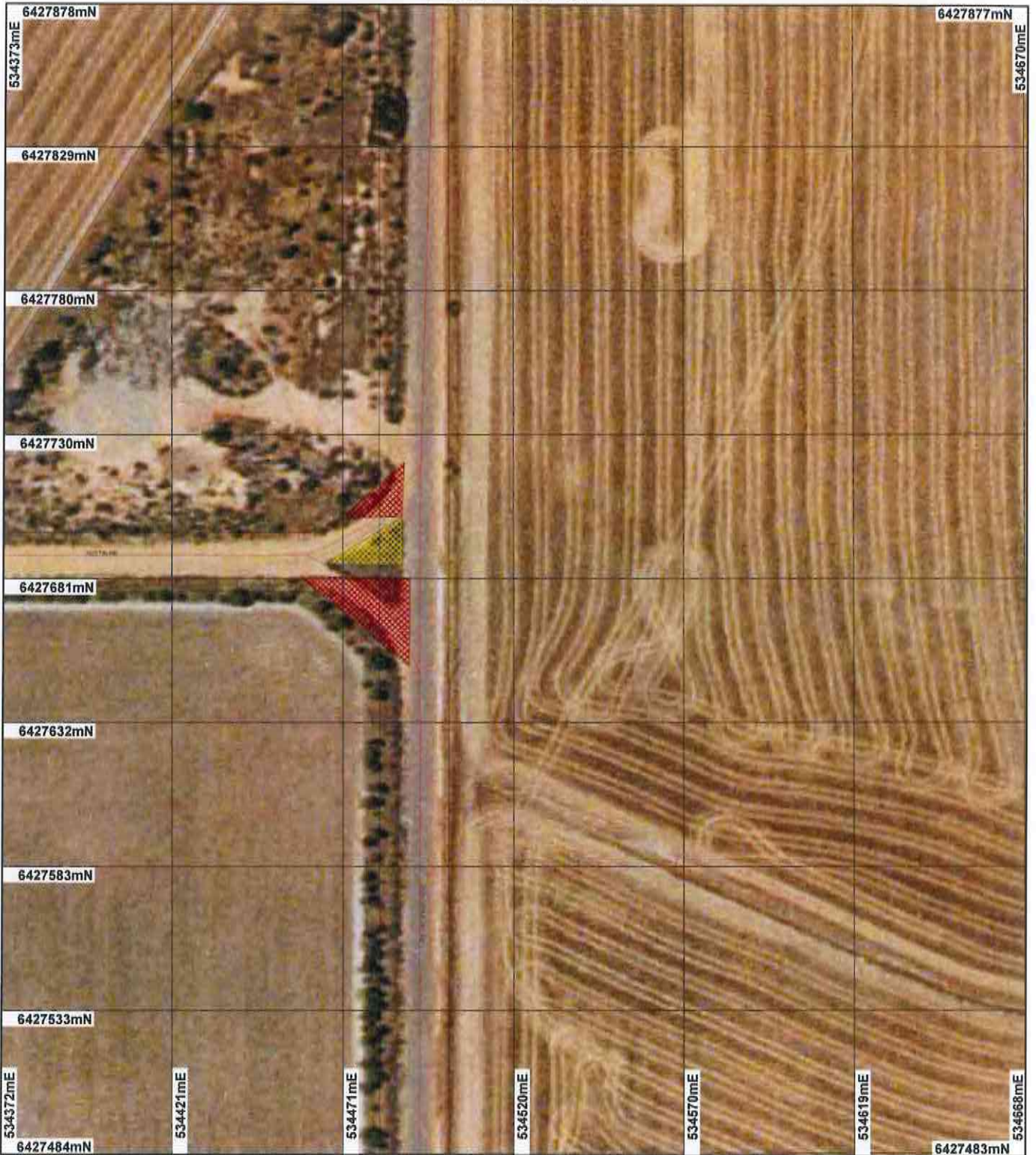


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

19 July 2012

Plan 4975/1



LEGEND

- | | |
|-----------------------------|--|
| Clearing Instruments | --> image index |
| Areas Subject to Conditions | Recently added |
| Areas Approved to Clear | Coverage |
| Road Centrelines | Brookton 80cm Orthomosaic - Landgate 2005 |
| Cadastre | |



Scale 1:1746
(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 & measurement inaccuracies.

Date 19/7/08
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. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 4975/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Brookton

1.3. Property details

Property: ROAD RESERVE (ALDERSYDE 6306)
ROAD RESERVE (ALDERSYDE 6306)
Local Government Area: Shire of Brookton
Colloquial name: Austin Road reserve
Dangin Mears Road reserve

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.01		Mechanical Removal	Hazard reduction or fire control

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 19 July 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
Beard vegetation association 1023 is described as Medium woodland; York gum, wandoo & salmon gum (Eucalyptus salmonophloia) (Shepherd, 2009).	The proposed clearing of 0.01 hectares of native vegetation is for the purpose of road intersection hazard reduction. The area under application consists of Grevillia dryandroides subspecies hirsuta and is in a degraded (Keighery, 1994) condition due to weed invasion and road side disturbances (DEC, 2012a).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was established through aerial imagery (Brookton 80cm Orthomosaic-Landgate 2005).

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**
The proposed clearing of 0.01 hectares of native vegetation is for the purpose of upgrading the intersection of Dangin-Mears Road and Austin Road. The vegetation under application is in a degraded (Keighery 1994) condition.

A population of rare flora species *Grevillia dryandroides* subsp. *hirsuta* is present within the application area. It is estimated that 67 plants of *G. dryandroides* subsp. *hirsuta* will be impacted by the clearing. Therefore the proposed clearing is at variance to Principle (c).

The requirement to revegetate and rehabilitate the old road alignment will enhance the remaining population of *G. dryandroides* subsp. *hirsuta*.

Given the small area under application and its degraded (Keighery, 1994) condition, it is unlikely that the proposed clearing will negatively impact upon fauna, water quality, nor will it cause appreciable land degradation.

The assessment of the application identified that the clearing is at variance to Principle (c) and is not likely to be at variance to the remaining clearing principles.

Methodology References:
Keighery (1994)

-DEC (2012a)

GIS Database:

- SAC Biodatasets (accessed 4 May 2012)

-Hydrography linear

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

Comments

The Shire of Brookton (applicant) has obtained a 'Permit to Take' from the Species and Communities Branch, Department of Environment and Conservation (DEC), as there is a population of *Grevillia dryandroides* subsp. *hirsuta* in the proposed clearing area (DEC, 2012).

Methodology

Reference:

DEC (2012)

GIS databases

-EPA Position No. 2

- Clearing Regulations-Environmentally sensitive areas

4. References

DEC (2012), Application for a Permit to Take Declared Rare Flora CPS 4975/1. Department of Environment and Conservation, Western Australia (DEC ref. 500475).

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.

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)