



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4726/1
Permit Holder:	City of Albany
Duration of Permit:	13 February 2012 – 13 February 2017

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 road widening and drainage.

2. Land on which clearing is to be done

ROAD RESERVE (McKail Street (PIN: 1279812), ORANA 6330)
ROAD RESERVE (Palmdale Road (PIN: 11460774), KALGAN 6330)
ROAD RESERVE (Palmdale Road (PIN: 11461032), KALGAN 6330)
ROAD RESERVE (Moirs Road (PIN: 11463124), MANYPEAKS 6328)
ROAD RESERVE (Pfeiffer Road (PIN: 11463223), PALMDALE 6328)
ROAD RESERVE (Scrub Bird Road (PIN: 1270657), TORNDIRRUP 6330)
ROAD RESERVE (Unnamed Road (PIN: 11748052), WILLYUNG 6330)
ROAD RESERVE (Unnamed Road (PIN: 11480678), WILLYUNG 6330)

3. Area of Clearing

The Permit Holder shall not clear more than 0.81 hectares of native vegetation within the combined areas cross-hatched yellow on attached Plan 4726/1(a), Plan 4726/1(b), Plan 4726/1(c), Plan 4726/1(d), Plan 4726/1(e), Plan 4726/1(f) and Plan 4726/1(g).

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 power to clear native vegetation for those activities under the *Local Government Act 1995* or any other written law.

6. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under conditions 1, 2 and 3 of this Permit, the Permit Holder must comply with the Assessment Sequence and the Management Procedures set out in Part II of this Permit.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

7. 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.

8. Dieback and weed control

- (a) 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*:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
 - (ii) shall only move soils in *dry conditions*;
 - (iii) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
 - (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- (b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under this Permit.

PART III - RECORD KEEPING AND REPORTING

9. Records must be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

In relation to the clearing of native vegetation authorised under this Permit:

- (a) the location where the clearing occurred, 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) the date that the area was cleared; and
- (c) the size of the area cleared (in hectares).

10. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
 - (i) of records required under condition 9 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 13 November 2016, the Permit Holder must provide to the CEO a written report of records required under condition 9 of this Permit where these records have not already been provided under condition 10a 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;

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;

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;

weeds 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*

19 January 2012

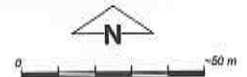
Plan 4726/1 (a)



LEGEND

- ✓ Road Centrelines
- ✓ Clearing Instruments
- Areas Approved to Clear
- Cadastre for labelling
- Albany Townsite 29cm Orthomosaic - Landgate 2007

Albany Mount Barker 1.4m Orthomosaic - Landgate 2002



Scale 1:2000
(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 19/11/12
K Faulkner





Officer with delegated authority under Section 20 of the Environmental Protection Act 1988

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.

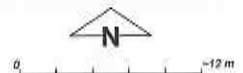
Plan 4726/1 (b)



LEGEND

-  Road Centrelines
-  Clearing Instruments
-  Areas Approved to Clear
-  Cadastre for labelling


Albany Townsite 20cm
Orthomosaic - Landgate
2007



Scale 1:500
(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.

 Date 19/1/12
K. Parkin

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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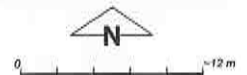
Plan 4726/1 (c)



LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Cadastre for labelling

Albany Townsite 20cm
Orthomosaic - Landgate
2007



Scale 1:500

(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.

Date 19/1/12

K Faulkner
Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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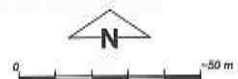
Plan 4726/1 (d)



LEGEND

- Road Centralines
- Clearing Instruments
- Areas Approved to Clear
- Cadastre for labelling

Albany Mount Barker 1.4m
Orthomosaic - Landgate
2002



Scale 1:2000
(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.

Date 19/1/12

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.







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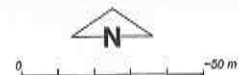
Plan 4726/1 (e)



LEGEND

-  Road Centrelines
-  Clearing Instruments
-  Areas Approved to Clear
-  Cadastre for labelling

Albany Mount Barker 1.4m
Orthomosaic - Landgate
2002




Scale 1:2000

(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.

 Date 19/1/02
K Faulkner

Officer with delegated authority under Section 20 of the Environmental Protection Act 1985

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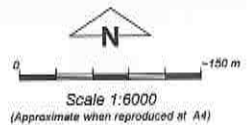
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Plan 4726/1 (f)



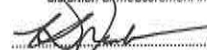
LEGEND

-  Road Centrelines
-  Local Government Authorities
-  Clearing Instruments
-  Areas Applied to Clear (cont)
-  Areas Subject to Conditions
-  Areas Approved to Clear
-  Albany Mount Barker 1.4m Orthomosaic - Landgate 2002



Geocentric Datum Australia 1994

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

 Date 19/1/02
K Faulkner

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

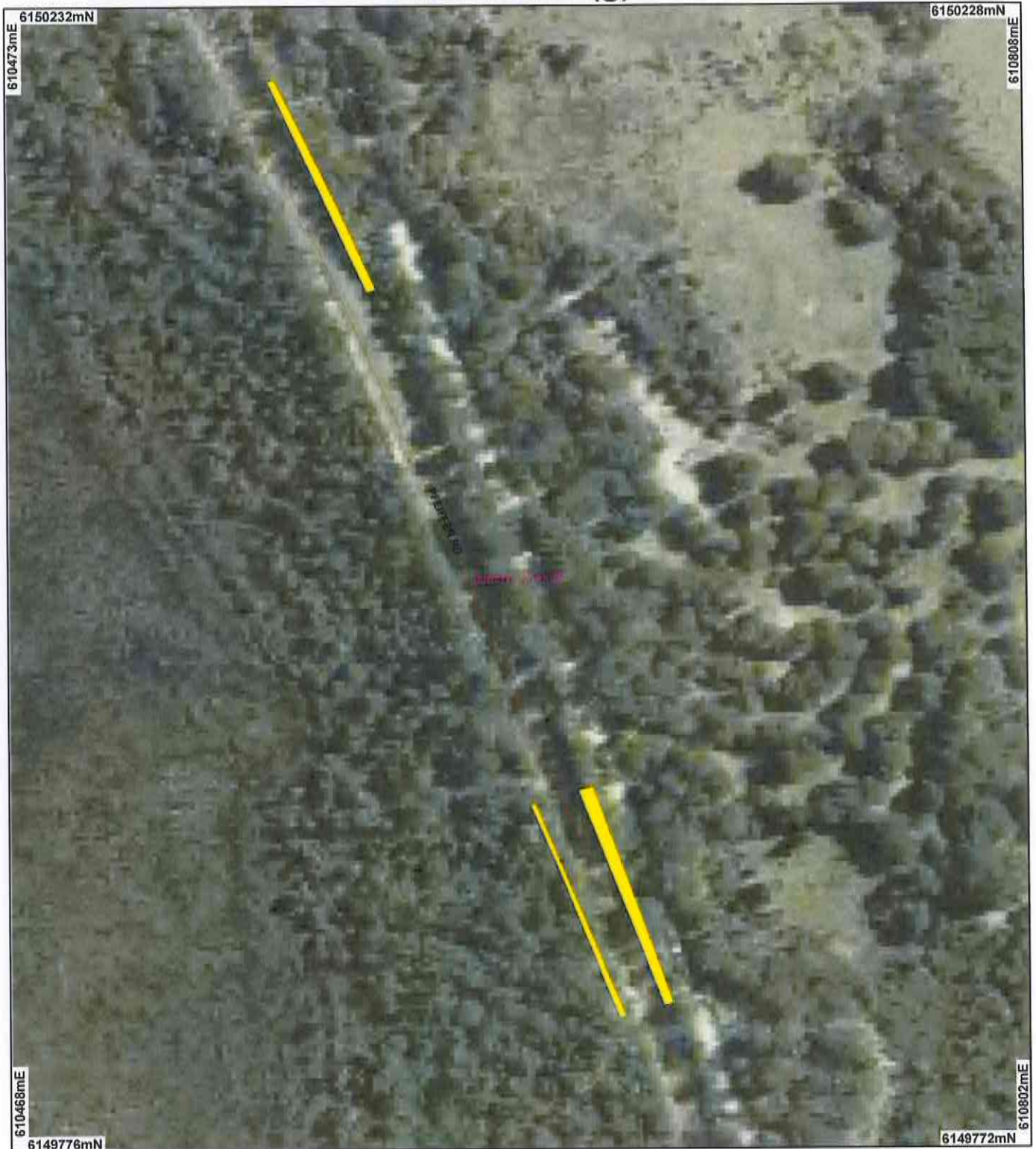
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Department of Environment and Conservation

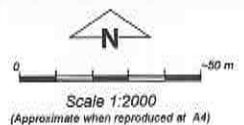
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Plan 4726/1 (g)



LEGEND

- Road Centrelines
- Local Government Authorities
- Clearing Instruments
- Areas Applied to Clear (cont)
- Areas Subject to Conditions
- Areas Approved to Clear
- Albany Mount Barker 1.4m Orthomosaic - Landgate 2002**



Geocentric Datum Australia 1994

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

Date 19/1/12
K Faulkner

Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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1. Application details

1.1. Permit application details

Permit application No.: 4726/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: City of Albany

1.3. Property details

Property: ROAD RESERVE (ORANA 6330)
ROAD RESERVE (KALGAN 6330)
ROAD RESERVE (PALMDALE 6328)
ROAD RESERVE (TORNDIRRUP 6330)
ROAD RESERVE (WILLYUNG 6330)

Local Government Area: City of Albany
Colloquial name: McKail Street road reserve, Palmdale Road reserve, Pfeiffer Road reserve, Scrub Bird Road reserve, and Willyung Road reserve.

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.81		Mechanical Removal	Drainage

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 19 January 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
Mapped Beard vegetation association 978 is described as Low forest; jarrah, Eucalyptus staeri & Allocasuarina fraseriana (Shepherd 2009).	The application proposes to clear up to 0.81 hectares of native vegetation within McKail Street road reserve, Palmdale Road reserve and Pfeiffer Road reserves, Palmdale, Scrub Bird Road reserve, Tornirrup and Willyung Road reserve, Willyung, for the purpose of road widening and stormwater drainage.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994).	The condition of the vegetation was through aerial imagery (Albany Townsite 20cm Orthomosaic - Landgate 2007 and Albany Mount Barker 1.4m Orthomosaic - Landgate 2002).
Mapped Beard vegetation association 979 is described as Mosaic: Medium forest; jarrah-marri / Low forest; jarrah & casuarina (probably Allocasuarina fraseriana) (Shepherd 2009).		Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994).	
Mapped Beard vegetation association 3 is described as Medium forest; jarrah-marri (Shepherd 2009).		Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994).	

3. Assessment of application against clearing principles

The application proposes to clear up to 0.81 hectares of native vegetation within McKail Street road reserve, Palmdale Road and Pfeiffer Road reserves, Palmdale, Scrub Bird Road reserve, Tornirrup and Willyung Road reserve, Willyung, for the purpose of road widening and stormwater drainage.

The City of Albany was surveyed by the Roadside Conservation Committee in 2003 and Palmdale Road and Pfeiffer Road were mapped as high conservation value, the other roads under application were not mapped (RCC 2011).

Approximately 0.004 hectares of the application area within Pfeiffer Road reserve is within an Environmentally Sensitive Area as it is within the buffer of the Lake Pleasant View System wetland, which is on the Directory of Important Wetlands in Australia. This directory describes wetlands that have qualified as nationally important

against criteria for inclusion (Environment Australia 2001).

Sections of the application areas at Palmdale road and Pfeiffer road are located within close proximity to wetland areas, therefore the application may be at variance to Principle f.

Part of the application area on Pfeiffer road is adjacent to North Sister Nature Reserve and the application area within Scrub Bird Road reserve is located 300m from Torndirrup National Park, which is also on the Register of National Estate. Therefore the application may be at variance to principle (h). Weed and Dieback management will assist in mitigating any impacts to surrounding conservation areas from the proposed clearing.

The assessment determined that the proposed clearing is not likely to significantly impact any biodiversity, habitat or environmental values or cause appreciable land degradation within the local or regional context. Given the above, the application may be at variance to (f) and (h), and is not likely to be at variance to the any of the remaining clearing principles.

Methodology References
Environment Australia (2001)
Keighery (1994)
RCC (2011)

GIS Databases:
- Albany Townsite 20cm Orthomosaic - Landgate 2007
- Albany Mount Barker 1.4m Orthomosaic - Landgate 2002
- ANCA Wetlands
- Environmentally Sensitive Area
- Hydrography linear

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

Comments

The application proposes to clear up to 0.81 hectares of native vegetation within McKail Street road reserve, Palmdale Road and Pfeiffer Road reserves, Palmdale, Scrub Bird Road reserve, Tornirrup and Willyung Road reserve, Willyung, for the purpose of road widening and stormwater drainage.

The area under application is mapped as Important Regional Roads, Parks and Recreation and Rural under the Town Planning Scheme.

Scrub Bird Road reserve falls within the Albany groundwater area which is an area proclaimed under the Rights in Water and Irrigation Act 1914.

The Roadside Conservation Committee has prepared a technical report to show how the City of Albany could manage the roadside vegetation depending on its conservation value. It can be found on the website <http://www.dec.wa.gov.au/content/view/6081/2340/>. Another document that can help with maintenance issues is the Handbook of Environmental Practice for Road Construction and Maintenance Works produced by the RCC and Main Roads WA. This can also be found on the website at <http://www.dec.wa.gov.au/content/view/5909/2330/> (RCC 2011).

Methodology References
RCC (2011)

GIS Databases
- Town Planning Scheme
- RIWI, Groundwater Areas

4. References

Environment Australia (2001). A Directory of Important Wetlands in Australia, Third Edition. Environment Australia, Canberra.
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 (2011) Comments on behalf of RCC for CPS 4726/1. DEC ref: A462901
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)