



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4877/2
File Number: 2011/006897-1
Duration of Permit: 18 May 2012 to 18 May 2014

PERMIT HOLDER

Shire of Toodyay

LAND ON WHICH CLEARING IS TO BE DONE

Clackline-Toodyay Road reserve (Hoddys Wells 6566) (PIN 11633621, PIN 11633623, PIN 11633624, PIN 11633625, PIN 11633626, PIN 11633627, PIN 11633630, PIN 11633631, PIN 11633633, PIN 1273050, PIN 11633618, PIN 11633619, PIN 11633634, PIN 11633635, PIN 1356045, PIN 1273047, PIN 11619125, PIN 1169122, PIN 11619123, PIN 11619121, PIN 11619118, PIN 11619119)
Deepdale Road Reserve (West Toodyay 6566) (PIN11440885, PIN1140891, PIN 1140911)
Leeder Street road reserve (West Toodyay 6566) (PIN 11440885)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 3 hectares of native vegetation and 23 native trees within the area hatched yellow on attached Plans 4877/2a, 4877/2b, 4877/2c, 4877/2d and 4877/2e.

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. Fauna management

Where clearing authorised under this Permit is scheduled to occur between the months of July and December, the Permit Holder shall ensure that:

- (a) Prior to undertaking any clearing, the area shall be inspected by a *fauna specialist* who shall identify *habitat tree(s)* suitable to be utilised *Calyptorhynchus banksii subsp. naso* (Forest Red-tailed Black-Cockatoo), *Calyptorhynchus baudinii* (Baudin's Cockatoo) and *Calyptorhynchus latirostris* (Carnaby's Cockatoo).
- (b) Prior to clearing, any *habitat tree(s)* identified by condition 2(a) shall be inspected by a *fauna specialist* for the presence of *Calyptorhynchus banksii subsp. naso* (Forest Red-tailed Black-Cockatoo), *Calyptorhynchus baudinii* (Baudin's Cockatoo) or *Calyptorhynchus latirostris* (Carnaby's Cockatoo).
- (c) Where fauna are identified in relation to condition 2(b) of this Permit, no taking of identified fauna occurs unless approved by the CEO.

3. Records must be kept

The Permit Holder must maintain the following records in relation to fauna management pursuant to condition 2 of this Permit:

- (a) the location of each habitat tree identified 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 species name of fauna reasonably likely to utilise, or that have been observed utilising, the *habitat tree(s)*;
- (c) expressing the geographical coordinates in Eastings and Northings or decimal degrees; and
- (d) a copy of the fauna specialist's report.

4. 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 3 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 18 February 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;

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

fauna specialist means a person with training and specific work experience in fauna identification or faunal assemblage surveys of Western Australian fauna; and

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

habitat tree(s) means trees that have a diameter, measured at 1.5m above the ground, of 50cm or greater, healthy but with dead limbs and broken crowns that are likely to contain hollows and roosts suitable for native fauna, or where these are not present then healthy but with the potential to contain hollows and roosts.

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*.



M Warnock
MANAGER, COMPLIANCE AND AUDIT SECTION
NATIVE VEGETATION CONSERVATION BRANCH

15 November 2012

Plan 4877/2a



LEGEND

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

Perth Metropolitan North
East 40cm Orthomosaic -
Landgate 2005



0 ————— 375 m

Scale 1:16000

(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.

M Warnock Date *15/11/12*
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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Plan 4877/2 b



LEGEND

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

Perth Metropolitan North
East 40cm Orthomosaic -
Landgate 2005



0 375 m

Scale 1:15997

(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 *15/11/12*
M Warnock

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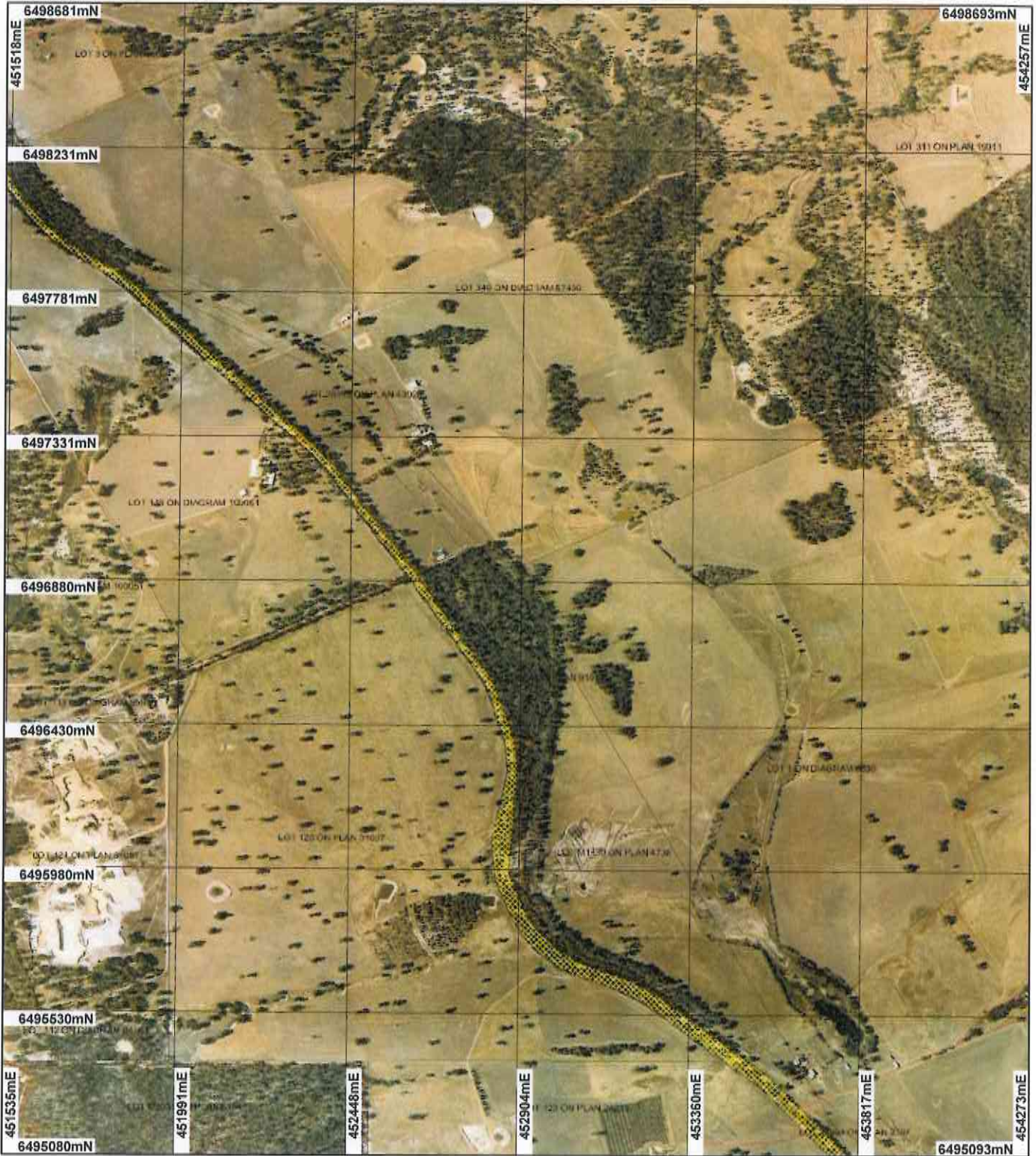
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confirmed with the data custodian acknowledged
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Plan 4877/2 c



LEGEND

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

Perth Metropolitan North
East 40cm Orthomosaic -
Landgate 2005

Scale 1:15994
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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M Warnock Date 15/11/12
M Warnock

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Plan 4877/2 d



LEGEND

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

Perth Metropolitan North
East 46cm Orthomosaic -
Landgate 2005



0 ————— 375 m

Scale 1:15992

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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M Warnock Date 15/11/12
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Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.

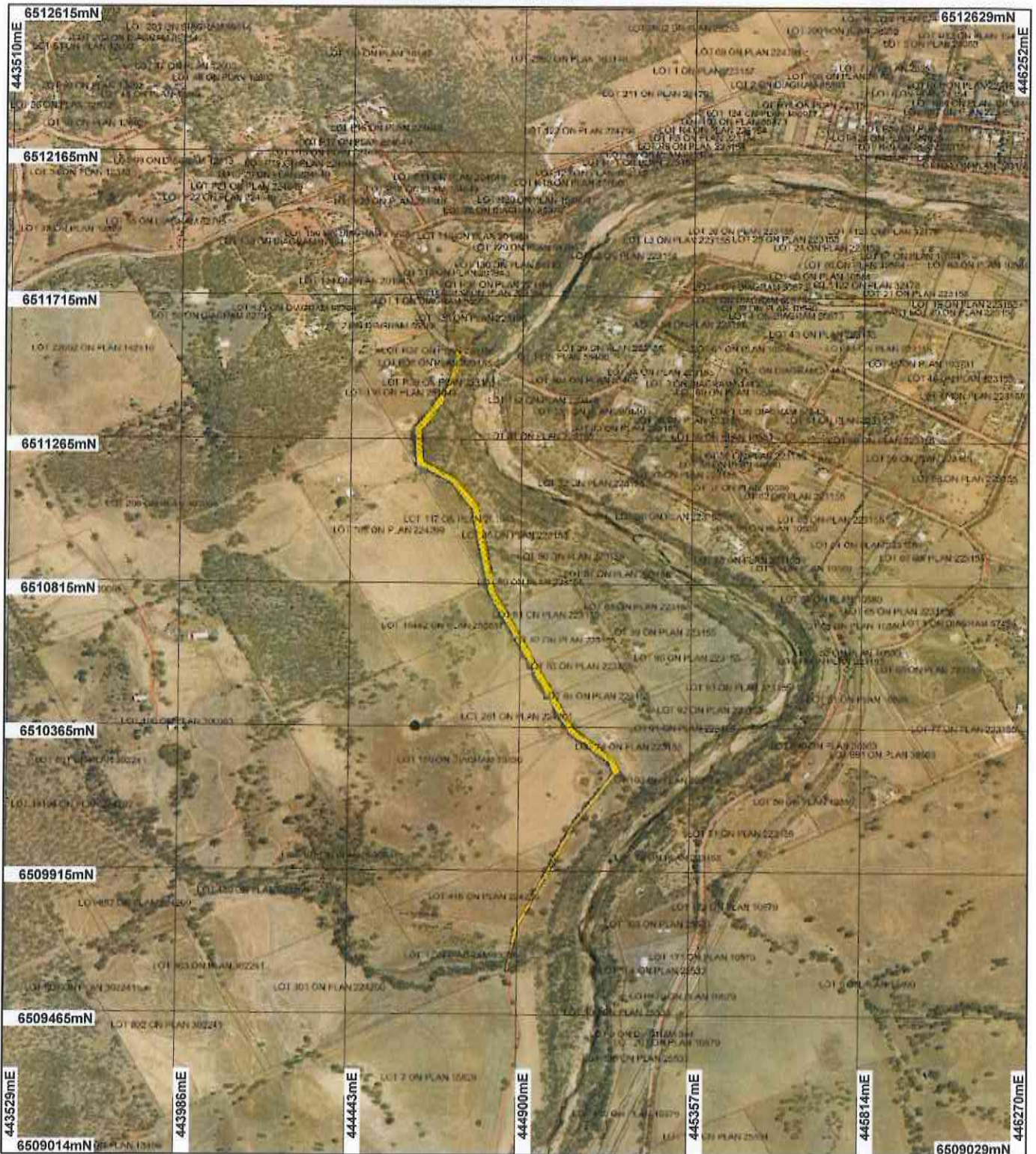


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Plan 4877/2 e



LEGEND

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

Perth Metropolitan North
East 40cm Orthomosaic -
Landgate 2005



0 375 m

Scale 1:16000

(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.

M Warnock Date 15/11/12
M Warnock

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.: 4877/2
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Shire of Toodyay

1.3. Property details

Property: ROAD RESERVE (HODDYS WELL 6566)
ROAD RESERVE (HODDYS WELL 6566)
ROAD RESERVE (WEST TOODYAY 6566)
ROAD RESERVE (WEST TOODYAY 6566)
Local Government Area: Shire of Toodyay
Colloquial name: Clackline Toodyay Road reserve, Deepdale Road reserve and Leeder Street road reserve

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
3	23	Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 15 November 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
The vegetation under application is mapped as Beard vegetation association 4 which is described as 'Medium woodland; marri & wandoo' (Shepherd et al, 2001).	The area under application is in a degraded to Very Good (Keighery 1994) condition. The majority of the application area is in a degraded (Keighery 1994) condition.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	The condition of the vegetation under application was determined via aerial imagery (Perth Metropolitan North East-40 cm Orthomosaic - Landgate 2005) and site inspection undertaken by the Department of Environment and Conservation (DEC 2012).
	This amendment proposes to increase the application area to clear an additional 3 ha within Clackline Toodyay Road reserve, Deepdale Road reserve and Leeder Street road reserve.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	
		Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	

3. Assessment of application against clearing principles

Comments

This amendment proposes to increase the application area and include two additional road reserves. This application proposes clearing an additional 3 ha of native vegetation within Clackline-Toodyay Road reserve, Deepdale Road reserve and Leeder Street road reserve for the purpose of upgrading and sealing road shoulders.

Two priority flora species have been recorded within close proximity of Clackline Toodyay Road reserve. Suitable habitat for these species may occur in the very good (Keighery 1994) condition vegetation within the application area within Clackline Toodyay Road reserve. These species has been recorded at a number of sites within the Local Government Areas Beverley, Brookton, Cuballing, Northam, Pingelly, Swan, Toodyay, Victoria Plains, Wandering, Williams and York (Western Australian Herbarium 1998-) and therefore the proposed clearing is not likely to significantly impact on their conservation status.

Numerous fauna species have been recorded within the local area (10km) (DEC 2007-) including *Calyptorhynchus banksii* subsp. *naso* (Forest Red-tailed Black-Cockatoo), *Calyptorhynchus baudinii* (Baudin's Cockatoo) and *Calyptorhynchus latirostris* (Carnaby's Cockatoo). The trees proposed to be cleared may contain hollows which may provide habitat for fauna indigenous to Western Australia (DEC 2012). Fauna management practices can help to minimise the impacts on habitat for fauna indigenous to Western Australia.

A portion of the application area within Clackline Toodyay Road reserve is adjacent to Nanamoolan Nature Reserve. Given the small area proposed to be cleared within this area it is unlikely the proposed clearing will have a significant impact upon this nature reserve, however the proposed clearing may introduce weeds into this conservation area and therefore may be at variance to principle (h). Weed and dieback management practices will help mitigate impacts upon this nature reserve.

Numerous minor watercourses intersect the application area. During a site inspection undertaken by DEC (2012) no riparian vegetation was identified. The proposed clearing is not likely to significantly impact upon ground water quality, surface water quality or cause appreciable land degradation in the local area.

Given the above the clearing as proposed may be at variance to principles (a), (b) and (h) and is not likely to be at variance to the remaining clearing principles.

Methodology References:

- DEC (2007-)
- DEC (2012)

GIS Databases:

- Hydrology, linear
- IBRA Australia
- SAC Biodatasets Accessed 8 October 2012

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

Comments

The area under application falls within the Avon River Catchment Area which is an area proclaimed under the Rights in Water and Irrigation Act 1914 (RIWI Act). The Department of Water has advised that a permit to interfere with bed and banks under the RIWI Act is required prior to the commencement of clearing within stream banks (DoW, 2012)

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

Methodology

Reference:

DoW (2012)

GIS Database:

- RIWI Act, Surface Water Areas

4. References

- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 4 October 2012
- DEC (2012) Site Inspection Report for Clearing Permit Application CPS 4877/2, Clackline Toodyay Road reserve, Hoddys Wells and Deepdale Road reserve, West Toodyay. Site inspection undertaken 5 October 2012. Department of Environment and Conservation, Western Australia (DEC Ref: A555412).
- DoW (2012) Advice for Clearing Permit Application CPS 4877/2. Department of Water, Western Australia (DEC Ref: A560989).
- Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). 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.
- Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> (Accessed 4 October 2012)

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