



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Area Permit Number: 4777/1
File Number: 2011/011600-1
Duration of Permit: From 20 July 2013 to 20 July 2015

PERMIT HOLDER

Telstra Corporation Ltd

LAND ON WHICH CLEARING IS TO BE DONE

Lot 1 on Diagram 34033 (Cullacabardee 6067)

AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 0.5 hectares of native vegetation within the area hatched yellow on attached Plan 4777/1.

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*:

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

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/s means any plant -

- that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- published in the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- not indigenous to the area concerned.

M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH





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

20 June 2013

Plan 4777/1



LEGEND

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

Perth Metropolitan Area
Central 15cm Orthomosaic -
Landgate 2012



Scale 1:1500
(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 *20/6/13*
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.



Department of
Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 4777/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: Telstra Corporation

1.3. Property details

Property: LOT 1 ON DIAGRAM 34033 (House No. 620 GNANGARA CULLACABARDEE 6067)
Local Government Area: City of Swan
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
		Mechanical Removal	Water/gas/cable/pipeline/power installation

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 13 June 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 1001 is described as 'Medium very sparse woodland; jarrah, with low woodland; banksia & casuarina (Shepherd et al 2001).'	The application proposes to clear 0.5 ha of native vegetation within Lot 1 on Diagram 34033. The vegetation within the proposed clearing has been severely impacted by previous clearing activities. Manicured lawn is maintained up to bases of the trees with minimal and patchy understorey of remnant shrub and herb species (Natural Area Consulting 2011).	Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was assessed using aerial imagery (Perth Metropolitan Central 15cm Orthomosaic - Landgate 2011) and additional information supplied by Natural Area Consulting (2011).

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.5 hectares of vegetation within Lot 1 on Diagram 34033, Cullacabardee for the purpose of installing satellite antennas and other telecommunications equipment on site.

The area under application is mapped as Beard Vegetation Association 1001. This vegetation association has approximately 25 per cent of it's pre-European extent remaining within the Swan Coastal Plain bioregion (Government of Western Australia 2013). The local area (5 kilometre radius) has been highly cleared (approximately 20 per cent vegetation remaining). Calculations of the pre-European extent remaining within the Swan Coastal Plain if the proposed clearing is undertaken indicates that 25 per cent of this vegetation association will still remain.

Given the degraded condition of the vegetation proposed to be cleared it is unlikely for it to be considered a significant remnant within an area that has been extensively cleared.

A total of 14 native flora species were identified within the proposed clearing area in a flora survey undertaken by Natural Area Consulting (2011). No rare or priority flora species have been recorded within the application area. (Natural Area Consulting, 2011). A survey undertaken within Lot 1 on Diagram 34033 confirmed no rare or priority flora species were found within the site (BSD Consultants 2002).

Five species of fauna listed as rare or likely to become extinct have been recorded within the local area (10km radius) including; *Bettongia penicillata* subsp. *ogilbyi* (Woyli) *Botaurus poiciloptilus* (Australasian Bittern), *Calyptorhynchus baudinii* (Baudin's Cockatoo), *Calyptorhynchus latirostris* (Carnaby's Cockatoo) and *Dasyurus geoffroii* (Chuditch) (DEC 2007-). Thirty one trees within the application area have been identified as roosting and foraging habitat for Carnaby's and Baudin's Cockatoo (Natural Area Consulting 2011). Given the degraded condition of the vegetation proposed to clear and the good to very good (Keighery 1994) condition of vegetation located within a 10 kilometre radius it is unlikely the vegetation proposed to clear is significant habitat for fauna indigenous to Western Australia.

Five known Threatened Ecological Communities (TEC's) area located within Lot 1 on Diagram 34033. The closest record, *Banksia attenuata* woodlands over species rich dense shrublands is located approximately 80 m south of the application area. Given the degraded condition of the vegetation and the small area under application it is unlikely the vegetation proposed to clear is necessary for the maintenance of a TEC.

The area under application is located within Bush Forever site 196 (Gnangara Road Bushland). The proposed clearing is likely to impact on the environmental values of this conservation area through direct removal of vegetation and the potential for the spread or introduction of weed species or dieback by machinery. Weed and dieback management practices will minimise the weed and dieback risk.

Given the clearing consists of 0.5 hectares of native vegetation in a degraded (Keighery 1994) condition, it is unlikely for the proposed clearing to consist of an area of high biodiversity, cause or exacerbate land degradation or flooding, or impact on water quality.

Considering the above, the application may be at variance to principle (h) and is not likely to be at variance to the remaining clearing principles.

Methodology

Reference:

- BSD Consultants (2002)
- Commonwealth of Australia (2001)
- DEC (2007-)
- Natural Environmental Consultants (2011)
- Shepherd (2009)

GIS Databases:

- Bushforever
- IBRA Bioregion
- Pre-European vegetation
- SAC Biodatasets (Accessed January 2012)

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

Comments

The Department of Planning (2012) (State Strategic Policy) has no objections to the clearing of 0.5ha of native vegetation within Bush Forever area 196, as the installation of satellite antennas and other telecommunications equipment can be reasonably justified for wider social and economic benefit and is consistent with the intent of the public purpose reservation. However the State Strategic Policy recommends an offset package is prepared and approved by the Department of Environment and Conservation and the development including installation access and ongoing maintenance does not result in any further disturbance or clearing of native vegetation within Bush Forever area 196.

Approval to Commence Development was issued to Telstra Corporation Ltd for the installation of five proposed satellite dishes on the 29 May 2013 (Western Australian Planning Commission 2013).

Methodology

Reference:

- Department of Planning (2012)
- Western Australian Planning Commission (2013)

4. References

- BSD Consultants (2002) Telstra PITC, Landsdale Environmental Management Plan, prepared for Telstra; BSD Consulting Pty Ltd, Western Australia. (DEC Ref 43893)
- DEC (2007 -) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed January 2012
- Department of Planning (2012) State Strategic Policy advice for Application to clear native vegetation under the Environmental Protection Act 1986. Western Australia. (DEC Ref:A477883)
- 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.
- Natural Area Consulting (2011) Report on Vegetation and Fuel Load at Proposed Telstra Satellite Antenna Installation Site. Western Australia. (DEC Ref: A455120)
- 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 Planning Commission (2013) Approval to Commence Development within Lot 1 on Diagram 34033. Cullacabardee. Western Australia. (DEC Ref: A6387089).

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)