



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3604/1
Permit Holder:	Shire of Collie
Duration of Permit:	8 May 2010 – 8 May 2015

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 reconstruction.

2. Land on which clearing is to be done

Siding Street road reserve PIN11460742 (Mungalup, 6225)

Siding Street road reserve PIN11460747 (Mungalup, 6225)

Railway Reserve PIN 559887 (Mungalup, 6225)

Lot 1 on Plan 222871 (Mungalup, 6225)

3. Area of Clearing

The Permit Holder must not clear more than 0.8 hectares of native vegetation within the area hatched yellow on attached Plan 3604/1.

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:

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

8. 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.

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;

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*.

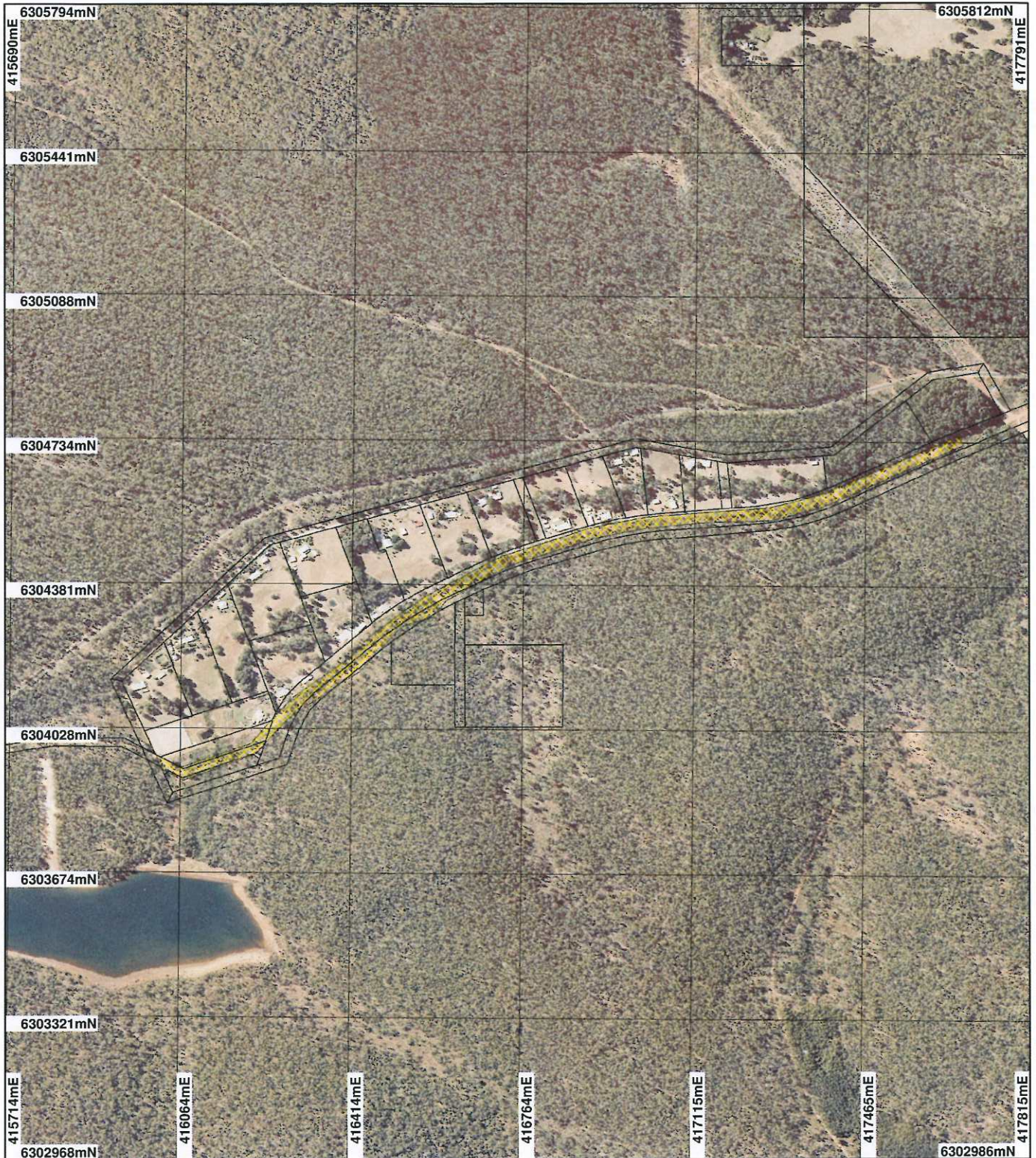


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

8 April 2010

Plan 3604/1



LEGEND

Clearing Instruments

- Areas Applied to Clear
- Areas Subject to Conditions
- Areas Approved to Clear
- Cadastre
- Collie 50cm Orthomosaic - Landgate 2006



Scale 1:12434
(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 of measurement inaccuracies.

[Signature] Date 8/4/10
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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1. Application details

1.1. Permit application details

Permit application No.: 3604/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Collie

1.3. Property details

Property: ROAD RESERVE (MUNGALUP 6225)
RAILWAY RESERVE (MUNGALUP 6225)
LOT 1 ON PLAN 222871 (Lot No. 1 BUSH MUNGALUP 6225)
Local Government Area: Shire of Collie
Colloquial name: Siding Street road reserve

1.4. Application

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

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 type 3 - Medium forest; jarrah-marri (Shepherd et al, 2007)	The proposal is to clear 0.8ha of native vegetation in order to seal the existing Siding Street. The Shire proposes to clear up to 2 meters on either side of the existing road. The area under application is dominated by Eucalyptus marginata (Jarrah) and Corymbia calophylla (Marri), with some small areas of Eucalyptus patens (Blackbutt). The understorey is predominantly low, with some Xanthorrhoea preissi (DEC, 2010).	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	Vegetation condition ranged from degraded to excellent. The condition was determined from a site visit conducted by Department of Environment and Conservation (DEC, 2010) and aerial imagery (Collie 50cm Orthomosaic - Landgate 2006).

3. Assessment of application against clearing principles

Comments

This application proposes to clear up to 0.8 hectares of native vegetation within Siding Street road reserve, Lot 1 on Plan 222871 (Crown Reserve 22804) and a Railway reserve, Mungilup. The Shire of Collie proposes to seal the existing road in response to dust complaints from local residents.

The area under application is surrounded by Collie State Forest. DEC site visit (2010a) and aerial imagery indicates that the vegetation surrounding Siding Street is in an excellent (Keighery, 1994) condition with a patch of degraded vegetation in the north east end of the application area. Given the application area's proximity to state forest weed and dieback conditions have been added to the permit.

Within the local area (10km radius) three priority flora species were found on the same vegetation and soil type; *Grevillea ripicola* (P4), *Juncus meianthus* (P2) and *Grevillea prominens* (P3). These species are likely to be found close to drainage lines. Only a very small amount of the application area would be suitable habitat for these taxa. Florabase (WA Herbarium, 1998 - 2010) records indicate that the species conservation status would not be affected by the proposed clearing (DEC, 2010b).

The proposed clearing for road works may cause some short term water quality issues in terms of localised surface water sedimentation and flooding during works. However, these issues should be minimised as road works will include roadside infrastructure to prevent water quality issues and flooding associated with roads (ie table drains and culverts).

Siding Street is adjacent to a small township which has been extensively cleared. As there is a high representation of vegetation remaining within the Jarrah Forest Bioregion and Shire of Collie the vegetation under applicant is unlikely to be considered significant as a remnant in a highly cleared landscape.

Given the relatively small scale of the proposed clearing and its location within a large intact remnant, its removal is unlikely impact biological diversity, flora or fauna and consequently is not considered likely to be at variance to the any of the clearing principles.

Methodology DEC (2010a)
DEC (2010b)
Keighery (1994)
WA Herbarium (1998 - 2010)

GIS Databases:

- Cadastre - Landgate Dec 07
- Collie 50cm Orthomosaic - Landgate 2006
- Hydrography linear - DOW 13/7/06
- Hydrography linear (hierarchy) - DoW 13/7/06
- Local Government Authorities - DLI 8/07/04
- Mean Annual Rainfall Isohytes (1975 - 2003) - DEC 02/08/05
- Pre European Vegetation - DA 01/01
- SAC Biodatasets - accessed 4 Mar 2010

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

Comments

During assessment the area proposed to be cleared was amended to 0.8 hectares (down from 1.5ha). The amendment was made to more accurately depict the actual area to be cleared (1900m x 4m).

The Roadside Conservation Committee (2010) believes the roadside vegetation contains little conservation value as it is surrounded by extensive native vegetation.

The application area falls within Zone B of the Wellington Dam Catchment which is an area controlled under the Country Areas Water Supply Act 1947. Department of Water (2010) has advised that this area has a high salinity risk and granting of clearing permits in this area should be subject to reforestation of other area with similar salinity risk. However, as the area under application is relatively small the Department of Water advises that the amalgamation of similar areas to be revegetated over time is acceptable.

Methodology DoW (2010)
RCC (2010)

GIS Databases:

- Country Area Water Supply Act (Part IIA) Clearing Control Catchments 29/06/2006

4. Assessor's comments

Comment

The application has been assessed against the clearing principles, planning instruments and other matters in accordance with s51O of the Environmental Protection Act 1986, and found that the proposed clearing not likely to be at variance to any of the clearing Principles.

5. References

- Commonwealth of Australia (2001) National Objectives and Targets for Biodiversity Conservation 2001-2005, Canberra.
- DEC (2010a) Site Inspection Report for Clearing Permit Application CPS 3604/1, Siding Street road reserve, Mungilup. Site inspection undertaken 30/03/10. Department of Environment and Conservation, Western Australia (TRIM Ref. DOC12561).
- DEC (2010b) Flora Advice. Department of Environment and Conservation Trim Ref DOC122997.
- DoW (2010). Country Area Water Supply advice. DEC TRIM Ref: DOC125249.
- 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 (2010). Road Conservation Committee Advice TRIM Ref: DOC123767
- Sac Bio Datasets (04/03/10). Department of Environment and Conservation, Sac Bio Datasets, Kensington, Western Australia.
- Shepherd, D.P. (2007) 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.
- Western Australian Herbarium (1998-2010). FloraBase - The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> Accessed on Friday, 5 March 2010.

6. Glossary

Term	Meaning
CALM	Department of Conservation and Land Management (now DEC)
DAFWA	Department of Agriculture and Food
DEC	Department of Environment and Conservation
DEP	Department of Environmental Protection (now DEC)
DoE	Department of Environment (now DEC)
DoW	Department of Water
DMP	Department of Mines and Petroleum (ex DoIR)
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)