



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose permit number:	CPS 842/1
Permit holder:	Shire of West Arthur
Purpose of clearing:	Clearing of up to 15.8 hectares of native vegetation for road upgrades, including lateral clearance zones and sight lines.
Shire:	West Arthur
Duration of permit:	16 July 2006 – 16 July 2011

TABLE OF CONTENTS

1. AREAS WHERE CLEARING IS AUTHORISED.....	2
2. CLEARING NOT AUTHORISED.....	3
3. APPLICATION	4
4. COMPLIANCE WITH ASSESSMENT SEQUENCE AND ASSESSMENT PROCEDURES	4
5. AVOID, MINIMISE ETC CLEARING.....	4
6. DIEBACK, OTHER PATHOGEN AND WEED CONTROL.....	4
7. REVEGETATION AND REHABILITATION.....	4
8. FAUNA MANAGEMENT	5
9. RECORDS MUST BE KEPT	5
10. REPORTING	6
11. DEFINITIONS	6

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The permit holder is authorised to clear native vegetation for the above stated purposes, subject to the conditions of this Permit.

PART I –CLEARING AUTHORISED

1. Clearing authorised

- a) Road construction within the Howie Road Reserve between the intersection of Albany Highway and Bunce King Road (0.9ha);
- b) Road construction within the Kings Road Reserve between the intersection of Howie Road and Bunce King Road (0.08ha) ;
- c) Road construction within the Carymunna Road Reserve between the intersection of Coalfields Road and Howie Road (0.15ha) ;
- d) Road construction within the Dinninup Road Reserve between the intersection of Boyup Brook Arthur Road and Six Mile Road (0.1ha) ;
- e) Road construction within the Dardadine South Road Reserve between the intersection of Albany Highway and Williams-Darkan Road (0.25ha) ;
- f) Road construction within the Hughes Mill Road Reserve between the intersections of Farrell Road and Boyup Brook Arthur Road (0.2ha);
- g) Road construction within the Rees Road Reserve between the intersections of Boral Road and Youngs Road (0.55ha);
- h) Road construction within the Clarke Road Reserve between the intersection of Coalfields Road and Boyup Brook Arthur Road (0.35ha);
- i) Road construction within the Fleays Road Reserve from the intersection of Coalfields Road to end of road (0.1ha) ;
- j) Road construction within the Bunce King Road Reserve between the intersection of Dardadine Road and Hillman Road (0.54ha) ;
- k) Road construction within the Moodiarrup-Changerup Road Reserve from the intersection of Coalfields Road to end of road (0.4ha) ;
- l) Road construction within the Bowelling-Duranillin Road Reserve between the intersection of Farrell Road and Trigwell Bridge Road (0.3ha) ;
- m) Road construction within the Old Collie Road Reserve between the intersections of Glenorchy Road and Moodiarrup Road (0.15ha);
- n) Road construction within the Airlie Road Reserve between the intersections of Glenorchy Road and Moodiarrup Road (0.6ha);
- o) Road construction within the Gibbs Road Reserve between the intersection of Quindanning Road and Darkan Road (3.12ha);
- p) Road construction within the Lloyd Road Reserve between the intersection of Cordering Road and Capercup Road (0.75ha) ;
- q) Road construction within the Gibbs Siding Road Reserve from the intersection of Coalfields Road to end of road (0.1ha) ;

- r) Road construction within the Glenorchy South Road Reserve from the intersection of Boyup Brook Arthur Road to end of road (0.5ha) ;
- s) Road construction within the Ballock Road Reserve between the intersection of Rees Road and Bascabel-Chittinup Road (0.4ha) ;
- t) Road construction within the Arthur River-Dinninup Road Reserve from the intersection of Albany Highway to end of road (0.2ha);
- u) Road construction within the Cordering North Road Reserve between the intersections of Coalfields Road and Bowelling-Duranillin Road (0.1ha);
- v) Road construction within the Beer Bottle Road Reserve from the intersection of Schinzing Buller to end of the road (0.05ha);
- w) Road construction within the Cochrane Road Reserve from the intersection of Capercup Road to the end of the road (0.06ha);
- x) Road construction within the Horley Road Reserve between the intersection of Darkan Road and O'Connell Road (0.06ha) ;
- y) Road construction within the Capercup North Road Reserve between the intersection of Darkan Road and Bowelling-Duranillin Road (0.45ha) ;
- z) Road construction within the O'Connell Road Reserve between the intersection of Capercup Road and Darkan Road (0.65ha) ;
- aa) Road construction within the Farrell Road Reserve from the intersection of Hibble Road to the end of road (0.3ha) ;
- bb) Road construction within the Coltart Road Reserve between the intersections of Capercup Road and Darkan Road (0.06ha);
- cc) Road construction within the Moodiarrup South Road Reserve from the intersections of Coalfields Road to end of road (0.65ha);
- dd) Road construction within the Rajander Road Reserve from the intersection of Coalfields Road to end of road (0.1ha);
- ee) Road construction within the Weir East Road Reserve between the intersection of Rees Road and Boyup Brook Arthur Road (0.2ha);
- ff) Road construction within the Doyle Road Reserve between the intersection of Bokal Road and Morrell Road (0.15ha) ;
- gg) Road construction within the Gorn Road Reserve between the intersection of Bokal Road and Leggoe Road (0.35ha) ;
- hh) Road construction within the Bokal East Arthur Road Reserve between the intersection of Boyup Brook Arthur Road and Albany Highway (0.8ha) ;
- ii) Road construction within the Capercup South Road Reserve between the intersection of Bowelling-Duranillin Road and Boyup Brook Arthur Road (0.56ha) ;
- jj) Road construction within the Carberdine Pool Road Reserve from the intersections of Noble Road to end of road (0.18ha);
- kk) Road construction within the Cusack Road Reserve between the intersections of Moodiarrup Road and Old Collie Changerup Road (0.5ha);
- ll) Road construction within the Burnett Road Reserve between the intersections of Albany Highway and Noble Road (0.06ha);
- mm) Road construction within the Bokal South Road Reserve between the intersection of Gorn Road and Coben Soak Road (0.35ha) ;
- nn) Road construction within the Coben Soak Road Reserve between the intersections of Bokal Road and Albany Highway (0.2ha) ;
- oo) Road construction within the Darkan-Moodiarrup Road Reserve between the intersections of Coalfields Road and Boyup Brook Arthur Road (0.25ha) ;

2. Clearing not authorised

The Permit Holder shall not clear any native vegetation within the areas hatched red on attached Plans CPS 842/1a and CPS 842/1b.

3. 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.

4. Compliance with Assessment Sequence and Management Procedures

Prior to clearing any native vegetation under condition 1 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

5. Avoid, minimise etc clearing

- a) In determining the amount of native vegetation to be cleared for the purposes of road upgrades the Permit Holder must have regard to the following principles, set out in order of preference:
 - (i) avoid the clearing of native vegetation;
 - (ii) minimise the amount of native vegetation to be cleared; and
 - (iii) reduce the impact of clearing on any environmental value.

6. Dieback and weed control

- a) When undertaking any *clearing, revegetation* and *rehabilitation*, the Permit Holder must take the following steps to minimise the risk of introduction and spread of *dieback*:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
 - (ii) avoid the movement of soil in wet conditions;
 - (iii) ensure that no *dieback*-affected *road building materials, mulches* or *fill* are brought into an area that is not affected by *dieback*; and
 - (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- b) When undertaking any *clearing, revegetation* and *rehabilitation*, or other activity pursuant to this Permit the Permit Holder must take the following steps to minimise the risk of the introduction and spread of *weeds*:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
 - (ii) ensure that no *weed*-affected *road building materials, mulch, fill* or other material is brought into the area to be cleared; and
 - (iii) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- c) 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, revegetated* and *rehabilitated* under this Permit.

7. Revegetation and rehabilitation

The Permit Holder shall take the following measures to revegetate 2.7 hectares in the selected areas hatched red on attached Plans CPS 842/1a and CPS 842/1b:

- a) Plant the areas with seedlings to an average planting density of 1000 plants per hectare;

- b) Planting shall consist of overstorey, midstorey and understorey species that consist of local native species found within a 10km radius of the areas to be cleared ; and
- c) Sow the areas with an average seeding density of 1 kilogram per hectare, ensuring that the seed is distributed evenly across the area. Seeds shall consist of overstorey, midstorey and understorey species that consist of local native species found within a 10km radius of the areas to be cleared.

8. Fauna management

- a) Prior to clearing within the areas described in Clearing Authorised above, the areas shall be inspected by a *fauna specialist* who shall identify fauna and trees that contain hollows suitable to be utilised as habitat by fauna listed in the *Wildlife Conservation (Specially Protected Fauna) Notice 2005*, including, but not limited to:
 - (i) *Phascogale calura* (Red-tailed Phascogale);
 - (ii) *Platycercus icterotis xanthogenys* (Western Rosella, inland ssp); and
 - (iii) *Falco peregrinus* (Peregrine Falcon).
- (b) The Permit Holder shall ensure that any fauna identified in condition 8(a) shall only be removed and relocated by a *fauna clearing person*, in accordance with a licence issued by the Department of Conservation and Land Management.

PART V – RECORD KEEPING AND REPORTING

9. Records must be kept

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

- a) in relation to the *clearing of native vegetation* undertaken pursuant to condition 1:
 - (i) the location where the clearing occurred, recorded using Geocentric Datum Australia 1994;
 - (ii) the date that the area was cleared; and
 - (iii) the size of the area cleared (in hectares).
- b) in relation to the *revegetation and rehabilitation* of areas pursuant to condition 7:
 - (i) the location of any area *revegetated* and *rehabilitated* in accordance with condition 7 recorded using Geocentric Datum Australia 1994;
 - (ii) a description of the *revegetation* and *rehabilitation* activities undertaken pursuant to condition 7; and
 - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares) pursuant to condition 7.
- (c) in relation to fauna management pursuant to condition 8:
 - (i) the location of each tree in accordance with condition 8(a) recorded using Geocentric Datum Australia 1994;
 - (ii) the species of each tree identified in condition 8(a);
 - (iii) the distance from the centre of road to the base of the tree identified in condition 8(a) and to be removed;
 - (iv) the species of fauna reasonably likely to utilise, or that have been observed utilising the trees as habitat;
 - (v) the species and number of each species relocated; and

- (vi) the location and date where relocated fauna was released, using Geocentric Datum Australia 1994.

10. Reporting

The Permit Holder must provide to the *CEO*, on or before 30 June of each year, a written report of records requested under condition 9 and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.

11. Definitions

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

CEO means the Chief Executive Officer of the Department of Environment;

clearing has the meaning given to it in section 51A of the *Environmental Protection Act 1986*;

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

EP Act means the *Environmental Protection Act 1986*;

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

fauna clearing person means a person who has obtained a licence from the Department of Conservation and Land Management, issued pursuant to the *Wildlife Conservation Regulations 1970* (as amended) authorising them to take fauna in order to carry out the approved clearing associated with this permit.

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;

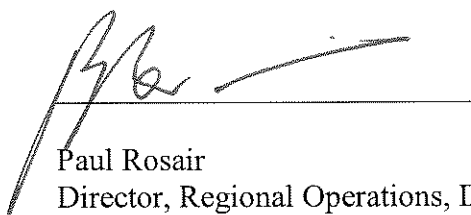
native vegetation has the meaning given to it in sections 3 and 51A of the *Environmental Protection Act 1986* and regulation 4 of the *Environmental Protection (Clearing of Native Vegetation) Regulations 2004*;

rehabilitation means actively managing an area containing native vegetation in order to improve the ecological function of that area;

revegetation means the re-establishment of a cover of *native vegetation* in an area such that the species composition, structure and density is similar to pre-clearing vegetation types in that area, and can involve regeneration, direct seeding and/or planting;

road building materials means rock, gravel, soil, stone, timber, boulders and water;

term means the duration of this Permit, including as amended or renewed;

A handwritten signature in dark ink, appearing to be 'PR', is written over a horizontal line.

Paul Rosair

Director, Regional Operations, Department of Environment.

Officer delegated under Section 20

of the Environmental Protection Act 1986

16 June 2006