



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3208/1
Permit Holder:	Eastern Metropolitan Regional Council
Duration of Permit:	6 September 2009 – 6 September 2014

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 installation of two groundwater monitoring bores.

2. Land on which clearing is to be done

Lot 11664 on Plan 217947 Throssell Rd, Swan View

3. Area of Clearing

The Permit Holder must not clear more than 0.01 hectares of native vegetation within the area hatched yellow on attached Plan 3208/1.

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. 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

6. 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.

7. 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 not move soils in wet 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.

PART III - RECORD KEEPING AND REPORTING

8. 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 species composition, structure and density of the cleared area;
- (b) 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;
- (c) the date that the area was cleared; and
- (d) the size of the area cleared (in hectares).

9. Reporting

- (a) The Permit Holder must provide to the CEO, on or before 30 June of each year, a written report of records required under condition 8 of this Permit and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.
- (b) Prior to 6 June 2014, the Permit Holder must provide to the CEO a written report of records required under condition 8 of this Permit where these records have not already been provided under condition 9(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;

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*.

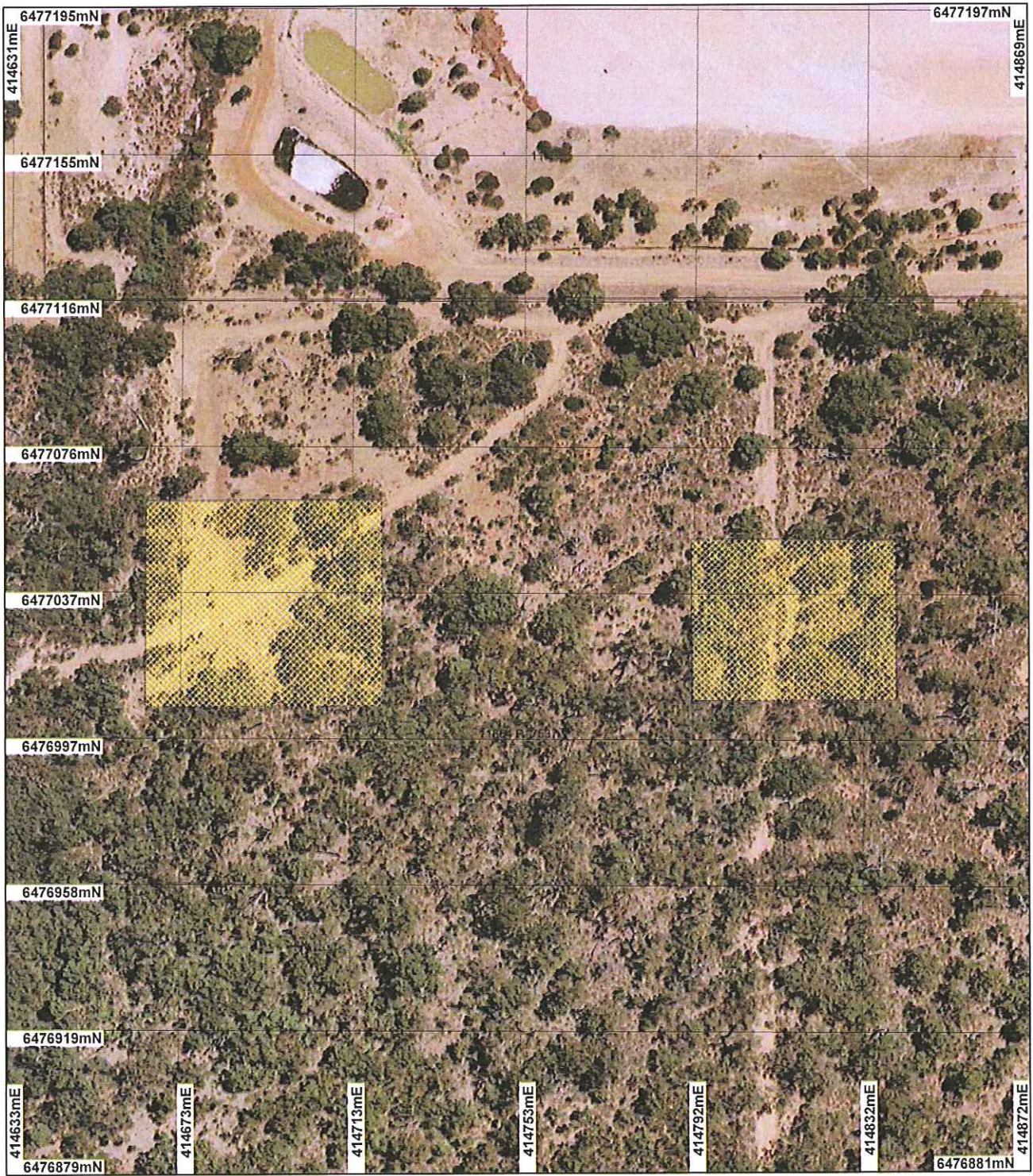


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

6 August 2009

Plan 3208/1



LEGEND

Cadastre for labelling	LRS	Perth Metropolitan Area North 20cm Orthomosaic - Lendgale 2007	N 0 to 38 m Scale 1:1460 (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. K. Faulkner Date 6/8/09 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.
Road Centrelines	MR		
FW	N		
HY	TR		
LRO (cont)	Areas Approved to Clear		

Department of Environment and Conservation
 Our environment, our future
 WA Crown Copyright 2002

* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 3208/1
 Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Eastern Metropolitan Regional Council

1.3. Property details

Property: LOT 11664 ON PLAN 217947 (House No. 70 THROSSELL SWAN VIEW 6056)
 Local Government Area:
 Colloquial name: John Forrest National Park

1.4. Application

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

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 Type: 3: Medium forest; jarrah-marri (Shepherd 2007); Heddle Vegetation Complex: Dwellingup Complex in medium to high rainfall (Heddle et al, 1980). Mattiske Vegetation Complex: Open forest of <i>Eucalyptus marginata</i> subsp. <i>thalassica</i> - <i>Corymbia calophylla</i> - <i>Eucalyptus patens</i> and woodland of <i>Eucalyptus wandoo</i> with some <i>Eucalyptus accedens</i> on valley slopes to woodland of <i>Eucalyptus rudis</i> - <i>Melaleuca raphiophylla</i> on the valley floors in semiarid and arid zones (CALM 1998).	The proposal is to clear 0.01 ha of native vegetation within Lot 11664 Throssell Rd, Swan View (Crown reserve 7537 - John Forrest National Park) for the installation of two groundwater monitoring bores by the Eastern Metropolitan Regional Council. The native vegetation under application includes native shrubs, sedges and grasses and small <i>Eucalyptus</i> sp. saplings in a predominately good condition.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The condition of the native vegetation under application was determined through photographs provided by the Eastern metropolitan Regional Council (EMRC 2009).

3. Assessment of application against clearing principles

Comments

The native vegetation under application includes native shrubs, sedges and grasses and small *Eucalyptus* sp. saplings in a predominately good (Keighery, 1994) condition. Given this, the vegetation is considered to comprise limited biodiversity values in a local context.

The proposed clearing is not likely to impact any biodiversity, land degradation, wetland or environmental water values within the local area (~ 5km radius). In addition, the area under application is not considered significant as a remnant due to the small size (0.01ha) of the area under application and it's connectivity to an extensive bush land remnant.

The proposed clearing occurs within the conservation area, John Forrest National Park. The proposed clearing will have a direct impact on this conservation area through the removal of native vegetation and may have indirect impacts through the introduction of dieback and weeds by machinery. The consequences associated with the spread of such exotic species into areas reserved for conservation, includes the significant degradation of the reserve and the potential for localised extinction of species.

Given this, it is considered that the proposal is at variance to Principle H. A dieback and weed condition will be place on the permit.

- Methodology** **References**
 -Keighery (1994)
 GIS Databases
 - Perth Metropolitan Area Central 20cm Orthomosaic - Landgate 2007
 -DEC Managed Lands
 - SAC Bio Datasets 27/07/09

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

Comments

The area under application is located within Lot 11664 Throssell Rd, Swan View (Crown reserve 7537 - John Forrest National Park) and is zoned parks and recreation under the Metropolitan Regional Scheme.

The proposed clearing is for the installation of two groundwater monitoring bores. This is to assist in defining the southern extent of groundwater contamination emanating from the Eastern Metropolitan Regional Council's (EMRC) neighbouring property. These investigations are being conducted according to the requirements of the Contaminated Sites Act 2003 (EMRC 2009).

The drill rig used to install the bores will use existing access tracks within the national park and the drilling will occur alongside these tracks in semi cleared areas. Vegetation will not be physically removed however trampling of the vegetation will occur during the positioning of the drill rig (EMRC 2009).

Permission and approval from the District Manager of the Perth Hill District, DEC has been received for the proposed installation of two monitoring bores within John Forrest National Park which is DEC managed land (EMRC 2009).

- Methodology** **References**
 -EMRC (2009)
 GIS databases:
 -Metropolitan Regional Scheme

4. Assessor's comments

Comment

The assessable criteria have been addressed and the proposed clearing is at variance to Principle H.

5. References

EMRC (2009) Clearing Permit Application and Attached Information. Trim Ref DOC90736.

Heddl, E. M., Loneragan, O. W., and Havel, J. J. (1980) Vegetation Complexes of the Darling System, Western Australia. In Department of Conservation and Environment, Atlas of Natural Resources, Darling System, Western Australia.

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. (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. Includes subsequent updates for 2006 from Vegetation Extent dataset ANZWA1050000124.

6. 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)