



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3062/1
Permit Holder:	City of Wanneroo
Duration of Permit:	16 May 2009 – 16 May 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 the construction of a universal access ramp.

2. Land on which clearing is to be done

Lot 15449 Kinsale Drive, Mindarie

3. Area of Clearing

The Permit Holder must not clear more than 0.018 hectares of native vegetation within the area cross-hatched yellow on attached Plan 3062/1.

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:

- (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.

8. Dieback and weed control

- (a) 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*:
 - (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
 - (ii) shall not move soils in wet conditions;
 - (iii) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
 - (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.
- (b) 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 under this Permit.

PART III - RECORD KEEPING AND REPORTING

9. Records must be kept

- (a) In relation to the clearing of native vegetation authorised under this Permit:
 - (i) the species composition, structure and density of the cleared area;
 - (ii) 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;
 - (iii) the date that the area was cleared; and
 - (iv) the size of the area cleared (in hectares).

10. 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 9 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 16 February 2014, the Permit Holder must provide to the CEO a written report of records required under condition 9 of this Permit where these records have not already been provided under condition 10(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;

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

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 *Agricultural and Related Resources Protection Act 1976*.

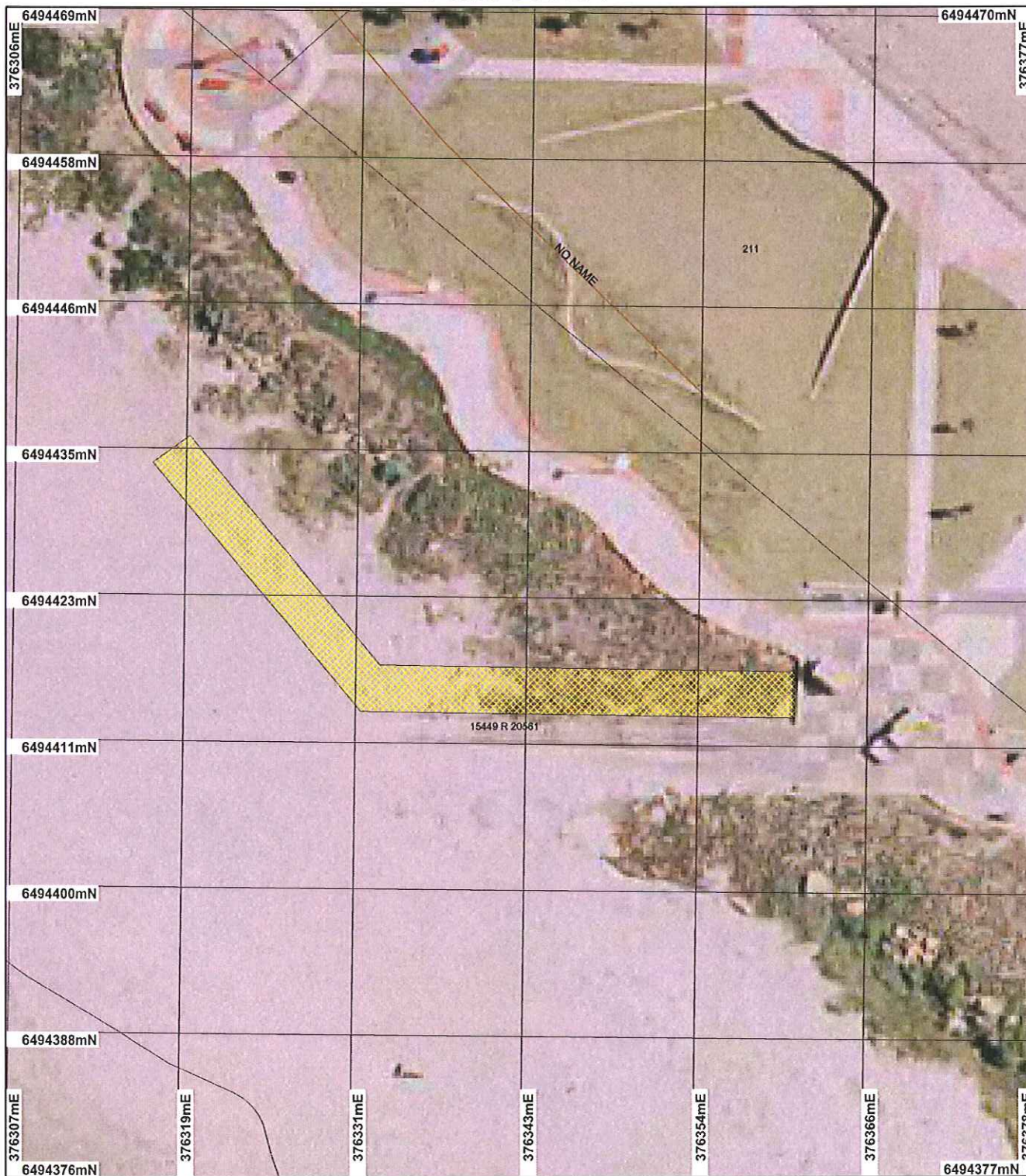


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

16 April 2009

Plan 3062/1

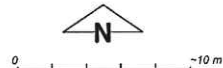


LEGEND

- Cadastre for labelling
- Road Centrelines
- FW
- HY
- LRO (cont)

- MR LRS
- N MR
- N N
- TR Clearing Instruments
- Areas Approved to Clear

Perth Metropolitan Area
North 20cm Orthomosaic -
Landgate 2007



Scale 1:412
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. They may result in geometric distortion or measurement inaccuracies.

K. Faulkner Date 15/4/09
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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* 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.: 3062/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: City of Wanneroo

1.3. Property details

Property: LOT 15449 ON PLAN 40340 (KINSALE DR, MINDARIE 6030)
Local Government Area: City Of Wanneroo
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.018		Mechanical Removal	Building or Structure

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
Heddlle Vegetation Complex:	The proposed clearing is for 0.018 ha of native vegetation for the purpose of the installation of a universal access ramp opposite Quinns Rock - Mindarie Surf Life Saving Club.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	Vegetation clearing description is based on information obtained from photographs taken March 2009 (City of Wanneroo 2009).
Quindalup Complex: Coastal dune complex consisting mainly of two alliances: the strand and fore-dune alliance and the mobile and stable dune alliance. Local variations include the low closed forest of <i>M. lanceolata</i> - <i>Callitris preissii</i> and the closed scrub of <i>Acacia rostellifera</i>	The vegetation within the area under application comprises of re-vegetated dune vegetation consisting of <i>Pelargonium capitata</i> and <i>Spinifex longifolius</i> grass land in a degraded to good condition		

(Heddlle et al, 1980).

3. Assessment of application against clearing principles

Comments

The vegetation within the area under application comprises of re-vegetated dune vegetation consisting of *Pelargonium capitata* and *Spinifex longifolius* grass land in a degraded to good condition. Given the small and linear area to be cleared, the degraded to good condition and that the area has been cleared and revegetated in the last three years, it is not considered likely for the vegetation to comprise a high level of biological diversity or be a significant habitat for fauna.

There is one known occurrences of rare flora within the local area (~5km radius), that being *Eucalyptus argutifolia* occurring 1.5 km east of the area under application. In addition, there is one known Threatened Ecological Community (TEC) recorded in the local area (~5 km radius) being Floristic Community Type (FCT) 26a: *Melaleuca huegelii* - *Melaleuca acerosa* shrubland of limestone ridges located ~3km north of the area under application. Given that the vegetation under application consists of dune flora species that have been recently planted in the last 3 years, it is considered unlikely for the vegetation under application to consist of rare flora or contain or be necessary for the maintenance of a threatened ecological community.

The vegetation under application occurs within the Heddlle Vegetation Complex: Quindalup Complex which has only 49.5% remaining (EPA 2006). Given this and that the area under application consists of vegetation that has been planted in the last 3 years, it is not considered likely for the vegetation to be significant as a remnant of native vegetation.

The area under application occurs within the Bush Forever site 397: Costal Strip from Wibinga to Mindarie. The proposed clearing will directly impact on this conservation area through the removal of native vegetation and also has the potential to impact the area through the spread and introduction of weeds species and dieback through the use of machinery and vehicles. Therefore, the proposal may impact on the environmental

values of a conservation reserve. A dieback and weed condition will be placed on the permit to mitigate this impact.

There are no wetlands or watercourses within the local area (5 km radius) with the closest being a Resource Enhancement Wetland, Neerabup Lake, occurring 5.2 km east of the area under application. The nearest watercourse, Bennett Brook, occurs ~25km south east of the area under application. Given the distance to the nearest wetland and watercourse from the area under application it is not considered likely to be growing in association with a wetland or watercourse.

The chief soils within the area under application are calcareous sands occurring on coastal Quindalup dune formation (Northcote et al. 1960-68). The main land degradation risk with the identified soil type is wind erosion (Department of Agriculture 2005). However, due to the small and linear area to be cleared and the end land-use of an access path, it is considered unlikely for the proposed clearing to cause appreciable land degradation from wind erosion.

Given that the area under application is limited to 0.018 ha in total it is not considered likely that the area under application would cause deterioration in surface or underground water quality. The limited clearing is not considered likely to have an impact on peak flood height or duration.

Methodology

References

- Department of Agriculture (2005)
 - EPA (2006)
 - Heddle et al. (1980)
 - Northcote et al. (1960-68)
- #### GIS Databases
- Bushforever
 - Geomorphic Wetlands (Classification), Swan Coastal Plain
 - Heddle Vegetation Complexes
 - Hydrography, linear (hierarchy)
 - SAC Bio Dataset 07/04/2009

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

Comments

The proposal is to clear 0.018ha of native vegetation for the construction of an access ramp.

The area under application is zoned Park and Recreation under the Metropolitan Regional Scheme

The vegetation under application consists of vegetation that was planted 3 years ago by the City of Wanneroo to stabilize an area following the construction of a vehicular access to the beach. Initially it was proposed to construct the ramp at the same time as the vehicular access, however funding was not available. Federal Government funding for the ramp as now been received and works are to be completed in September 2009 (City of Wanneroo 2009).

Planning approval from the WAPC was obtained in 2004 to construct the beach access ramp and vehicle access along with other developments within the Mindarie and Quinns Rock Foreshore area. However, this approval has lapsed and the City of Wanneroo is currently seeking Development Approval for the ramp from the WAPC (City of Wanneroo 2009).

Methodology

References

- City of Wanneroo (2009)
- #### GIS Databases
- Metropolitan Regional Scheme

4. Assessor's comments

Comment

The assessable criteria have been addressed and the clearing as proposed may be at variance to Principle (h).

5. References

City of Wanneroo (2009) Clearing Permit Application and attached additional information. TRIM Ref DOC80239 and DOC80241.

Department of Agriculture (2005) AgMaps Land Manager CD-rom for the Shires of Serpentine-Jarrahdale, Kwinana, Rockingham, Mandurah, Murray, Boddington, Waroona and Harvey. Department of Agriculture, Western Australia. ISSN: 1448-235X.

EPA (2006) Guidance for the Assessment of Environmental Factors - Level of Assessment for Proposals Affecting Natural

Areas Within the System 6 Region and Swan Coastal Plain Portion of the System 1 Region. Guidance Statement No 10. Environmental Protection Authority, Western Australia.

Hedde, 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.

Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.

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)