



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6252/1
Permit Holder:	Shire of Denmark
Duration of Permit:	22 November 2014 to 22 November 2019

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 purposes of road widening, hazard reduction and car park construction.

2. Land on which clearing is to be done

Lot 1093 on Deposited Plan 217468, Denmark
Lot 2229 on Deposited Plan 240012, Peaceful Bay
Scotsdale Road reserve (PIN 11247010), Denmark
Mowday Road reserve (PIN 11478546), Ocean Beach
Sunrise Road reserve (PIN 11748190), Shadforth
Turner Road reserve (PIN 11746471), Shadforth

3. Area of Clearing

The Permit Holder must not clear more than 12 native trees and 0.2 hectares of native vegetation within the combined areas shaded yellow on attached Plan 6252/1a, 6252/1b, 6252/1c, 6252/1d and 6252/1e.

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 the activities described in condition 1 of this Permit to the extent that the Permit Holder has the power to carry out works involving clearing for those activities under the *Local Government Act 1995* or any other written law.

PART II – MANAGEMENT CONDITIONS

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:

- 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.

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) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) 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;

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 any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in a Department of Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.



M Warnock
SENIOR MANAGER
CLEARING REGULATION

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

23 October 2014

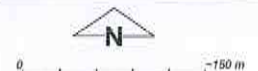
Plan 6252/1a



LEGEND

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

Denmark Townsite Jan 2011
Mosaic



Scale 1:6000
(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 23/10/14
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.



Government of Western Australia
Department of Environment Regulation

WA Crown Copyright 2002

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

Plan 6252/1b



LEGEND

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

Denmark Townsite Jan 2011 Mosaic



0 300 m

Scale 1:11700

(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 23/10/14
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.



Government of Western Australia
Department of Environment Regulation

WA Crown Copyright 2002

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

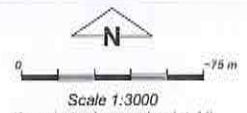
Plan 6252/1c



LEGEND

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

Denmark Townsite Jan 2011 Mosaic



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 23/10/14

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.



Government of Western Australia
Department of Environment Regulation

WA Crown Copyright 2002.

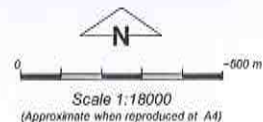
* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.



LEGEND

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

Denmark Townsite Jan 2011 Mosaic



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 23/10/14
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.

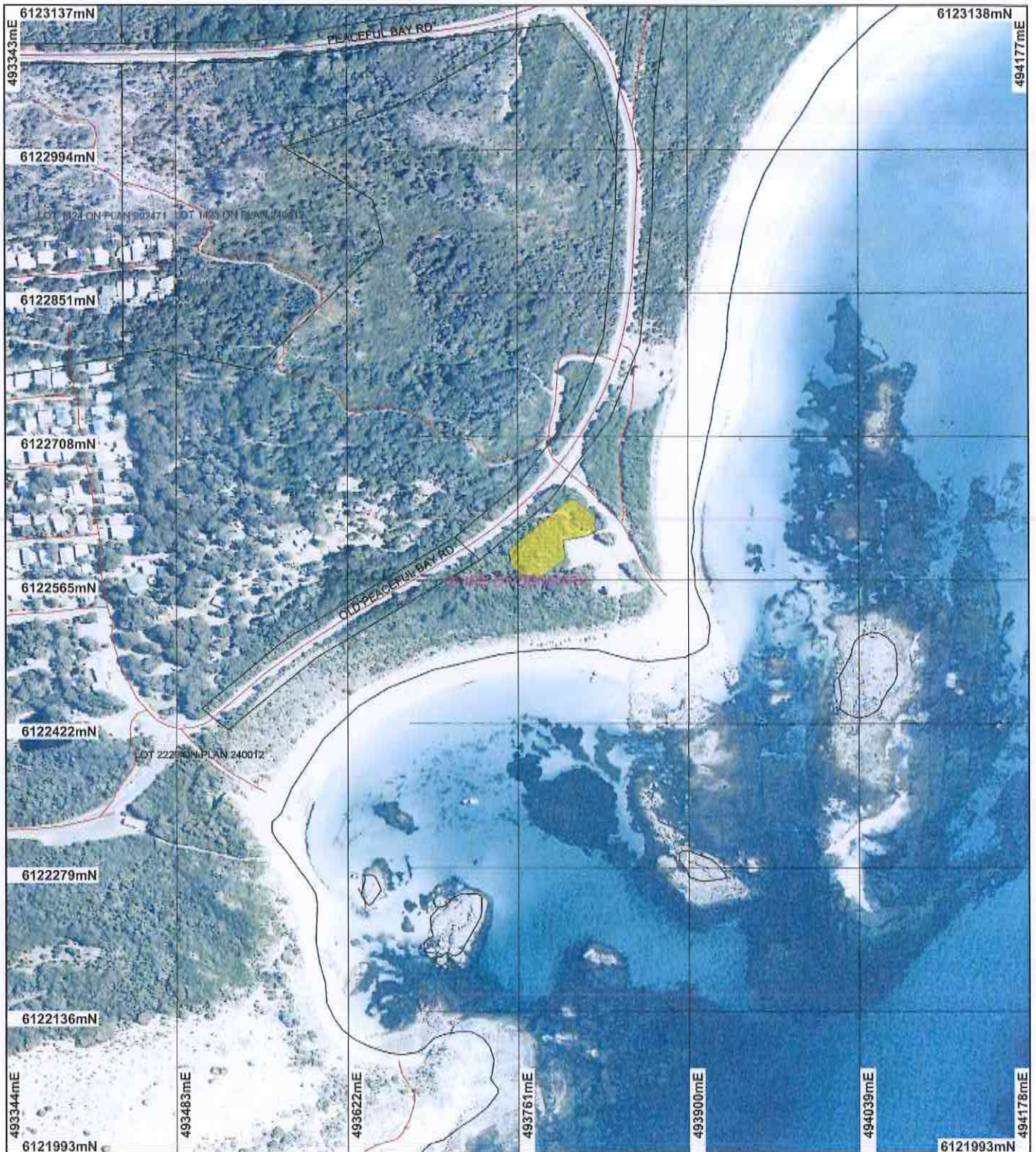


Government of Western Australia
Department of Environment Regulation

WA Crown Copyright 2002

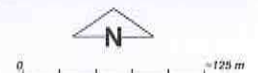
* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.

Plan 6252/1e



LEGEND

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



Scale 1:5000
(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 23/10/14
M Warnock

Officer with delegated authority under Section 20 of the Environmental Protection Act 1985

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Government of Western Australia
Department of Environment Regulation

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.: 6252/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Denmark

1.3. Property details

Property: LOT 2229 ON PLAN 240012 (House No. 1 PEACEFUL BAY PEACEFUL BAY 6333)
LOT 1093 ON PLAN 217468 (House No. 2 SCOTSDALE DENMARK 6333)
ROAD RESERVE (DENMARK 6333)
ROAD RESERVE (OCEAN BEACH 6333)
ROAD RESERVE (SHADFORTH 6333)
ROAD RESERVE (SHADFORTH 6333)
Local Government Area: Shire of Denmark
Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.2	12	Mechanical Removal	Building or Structure
		Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 23 October 2014

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 associations 1: Tall forest; karri (Eucalyptus diversicolor).	The clearing of 12 native trees and 0.2 hectares of native vegetation is for the purposes of road widening, hazard reduction and car park construction.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery, 1994)	The vegetation condition was assessed through aerial imagery.
Mapped Beard vegetation association 990: Low forest: peppermint (Agonis flexuosa).		To	
Mapped Beard vegetation association 969: Mosaic of medium forest; jarrah-marri / Low forest; jarrah (Shepherd et al, 2001).		Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery, 2014)	
Mattiske Beard vegetation complex Kb: Mosaic of tall open forest of Eucalyptus guilfoylei-Eucalyptus jacksonii-Eucalyptus diversicolor on slopes of major hills rising above coastal plain with Allocasuarina decussata-Banksia grandis-Agonis flexuosa on slopes in hyperhumid and perhumid			

zones and tall open forest of *Eucalyptus brevistylis*-*Eucalyptus marginata* subsp. *marginata*-*Corymbia calophylla* and the occasional *Eucalyptus megacarpa* near rock outcrops in hyperhumid and perhumid zones.

Mattiske vegetation complex Mp: Mosaic of open low woodland of *Agonis flexuosa* with some *Eucalyptus cornuta*, tall shrubland of *Agonis flexuosa* with *Trymalium floribundum* in gullies and closed heath of *Olearia axillaris*-*Spyridium globulosum*-*Acacia littorea* on stabilised dunes in the hyperhumid zone.

Mattiske vegetation complex TR1: Woodland of *Allocasuarina fraseriana*-*Eucalyptus marginata* subsp. *marginata*-*Banksia grandis* with some *Corymbia calophylla* on low rises of sedimentary rocks in the perhumid zone (Mattiske and Havel, 1998).

3. Assessment of application against clearing principles

Comments	<p>The application is for the proposed clearing of 0.2 hectares of native vegetation and 12 native trees within Lot 1093 on Deposited Plan 217468 and Scotsdale Road reserve, Denmark, Mowday Road reserve, Ocean Beach, Lot 2229 on Deposited Plan 240012, Peaceful Bay, Sunrise Road reserve and Turner Road reserve, Shadforth, for the purpose of road widening, hazard reduction and car park construction.</p> <p>There are several priority flora species mapped within a 10 kilometre radius, the closest being a priority one species located 600 metres south east of the proposed clearing for the construction of the Peaceful Bay car park. The Department of Parks and Wildlife (2014) has advised that the application area does not contain suitable habitat for this species and therefore the species is unlikely to occur at the site.</p> <p>Several fauna species listed as rare or likely to become extinct under the Wildlife Conservation Act 1950 have been recorded within a 10 kilometre radius. The vegetation located within Lot 2229 on Deposited Plan 240012, Peaceful Bay, described as low forest: peppermint (<i>Agonis flexuosa</i>), is likely to provide suitable habitat for Western Ringtail Possums. However, given the small size of the proposed clearing for the car park, it is unlikely to significantly impact habitat for these species.</p> <p>The closest record of rare flora is located 5.2 kilometres south of the proposed clearing located at Lot 2229 on Deposited Plan 240012, Peaceful Bay. This species inhabits shallow pockets of soil on granite outcrops, in association with mosses and herbs (Brown et al, 1998). It is unlikely that rare flora will be present within the application area given the different soil and vegetation type.</p> <p>The closest threatened ecological community (TEC) to the application area is mapped 10 kilometres north of the application area and is described as "Mount Lindesay Vegetation Complex". Given the distance to this TEC and the small size of the application area, it is unlikely the proposed clearing will impact upon this community.</p> <p>The Shire of Denmark retains approximately 76 per cent (Government of Western Australia 2013) of the original vegetation extent and mapped Beard Vegetation Associations 1, 990 and 969 (Shepherd et al 2001) retain approximately 78, 91 and 43 per cent (Government of Western Australia 2013) of the original vegetation extent, within the Warren IBRA Bioregion. The vegetation to be cleared is well represented in the local area (45 per cent), therefore the proposed clearing is unlikely to have a detrimental impact on fauna habitat or be significant as a remnant in an extensively cleared area.</p> <p>A minor perennial watercourse runs through the proposed clearing area within Lot 1093 on Deposited Plan 217468, Denmark. However, given only two native trees are proposed for clearing within this area, it is unlikely the clearing will impact upon vegetation growing in association with this watercourse.</p> <p>The closest conservation reserve to the application area is the Walpole – Nornalup National Park (Class A) located approximately 900 metres west of the proposed Peaceful Bay car park located at Lot 2229 on Deposited Plan 240012, Peaceful Bay. It is unlikely the proposed clearing will impact upon the environmental values of this reserve given the small size of the clearing (0.2 hectares) and the distance from the reserve to the application area.</p> <p>The disturbance caused by the proposed clearing will increase the risk of weeds and dieback being introduced into adjacent areas of remnant vegetation. Weed and dieback management practices will assist in mitigating this risk.</p> <p>Given the small size of the application area, it is unlikely that the proposed clearing will cause or exacerbate land degradation, flooding or impact upon water quality.</p> <p>The assessment of the application identified that the clearing is not likely to be at variance to the remaining clearing principles.</p>
Methodology	<p>References</p> <ul style="list-style-type: none">- Parks and Wildlife (2014)- Brown et al (1998)- Government of Western Australia (2013)- Keighery (1994)- Shepherd et al (2001) <p>GIS Databases</p> <ul style="list-style-type: none">- DPaW tenure- Hydrography, linear DOW- NWLRA, Extent of Native Vegetation- Pre-European vegetation- SAC Biodatasets - accessed October 2014

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

Comments The application is to clear 0.2 hectares of native vegetation and 12 native trees for the purposes of road widening, hazard reduction and car park construction.

Lot 1093 on Deposited Plan 21768, Denmark, is mapped within the Aboriginal Site of Significance, 'Little Groper Rock'. The applicant will be notified of their obligations under the Aboriginal Heritage Act 1972.

Lot 2229 on Deposited Plan 240012, Peaceful Bay and Lot 1093 on Deposited Plan 217468, Denmark are mapped as 'Parks and Recreation' under the Town Planning Scheme Zone.

No public submissions have been received.

Methodology GIS Databases:
- Aboriginal Sites of Significance
- Town Planning Scheme Zones

4. References

- Brown A., Thomson-Dans C. and Marchant N.(1998). Western Australia's Threatened Flora, Department of Conservation and Land Management, Western Australia.
- Department of Parks and Wildlife (2014) Species and Communities advice for clearing permit CPS 6252/1. Department of Parks and Wildlife, Perth, Western Australia.
- 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.
- Mattiske, E.M. and Havel, J.J. (1998) Vegetation Complexes of the South-west Forest Region of Western Australia. Maps and report prepared as part of the Regional Forest Agreement, Western Australia for the Department of Conservation and Land Management and Environment Australia.
- 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.