



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 7443/1
Permit Holder:	Department of Water
Duration of Permit:	1 July 2017– 1 July 2022

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 installing ground water monitoring bores.

2. Land on which clearing is to be done

Lot 3001 on Deposited Plan 66023, Lake Clifton
Codford Road reserve (PIN: 1346639), Lake Clifton
Lot 6044 on Diagram 97977, Myalup
Alexander Road reserve (PIN: 1339044), Yarloop
Myalup Road reserve (PIN: 1368768), Uduc

3. Area of Clearing

The Permit Holder must not clear more than 0.34 hectares of native vegetation within the area hatched yellow on attached Plan 7443/1a, Plan 7443/1b, Plan 7443/1c and Plan 7443/1d.

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.

PART II – MANAGEMENT CONDITIONS

5. 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.

6. 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.



Mathew Gannaway
MANAGER
CLEARING REGULATION

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

6 June 2017

Plan 7443/1a



Legend

-  Areas approved to clear
-  Roads
-  LGA
-  Cadastre
- Virtual Mosaic (LGATE-V001)



1:778

MGA 94
Geocentric Datum of Australia 1994

 Date: 6/6/2017
Matthew Gannaway

Officer with delegated authority under Section 20
of the Environmental Protection Act 1986



Plan 7443/1b



Legend

-  Areas approved to clear
-  Roads
-  LGA
-  Cadastre
- Virtual Mosaic (LGATE-V001)



1:681

MGA 94
Geocentric Datum of Australia 1994

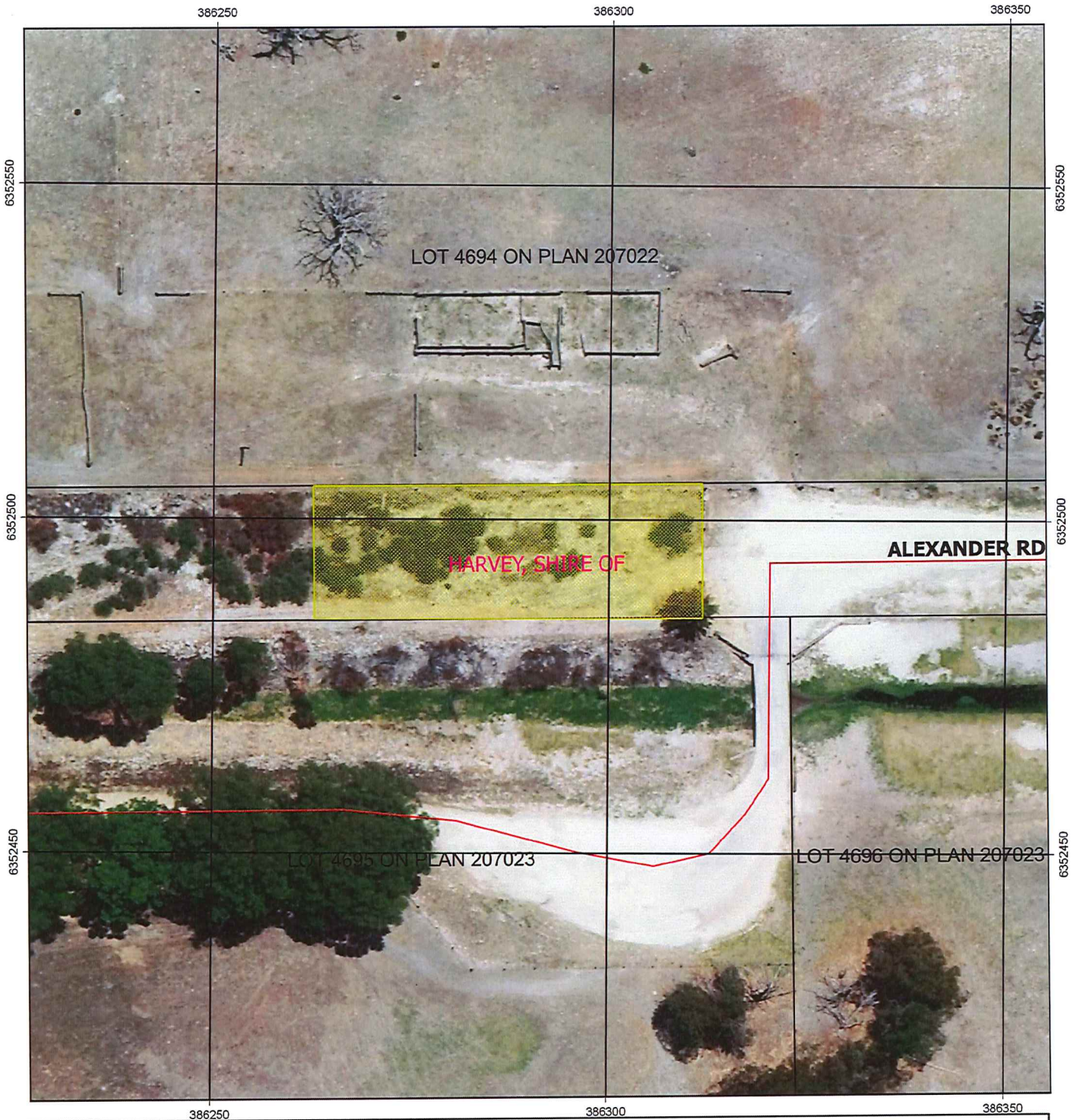
Matthew Gannaway Date *4/6/2017*

Officer with delegated authority under Section 20
of the Environmental Protection Act 1986







GOVERNMENT OF
WESTERN AUSTRALIA

Plan 7443/1c



Legend

-  Areas approved to clear
 -  Roads
 -  LGA
 -  Cadastre
- Virtual Mosaic (LGATE-V001)



1:525

MGA 94
Geocentric Datum of Australia 1994

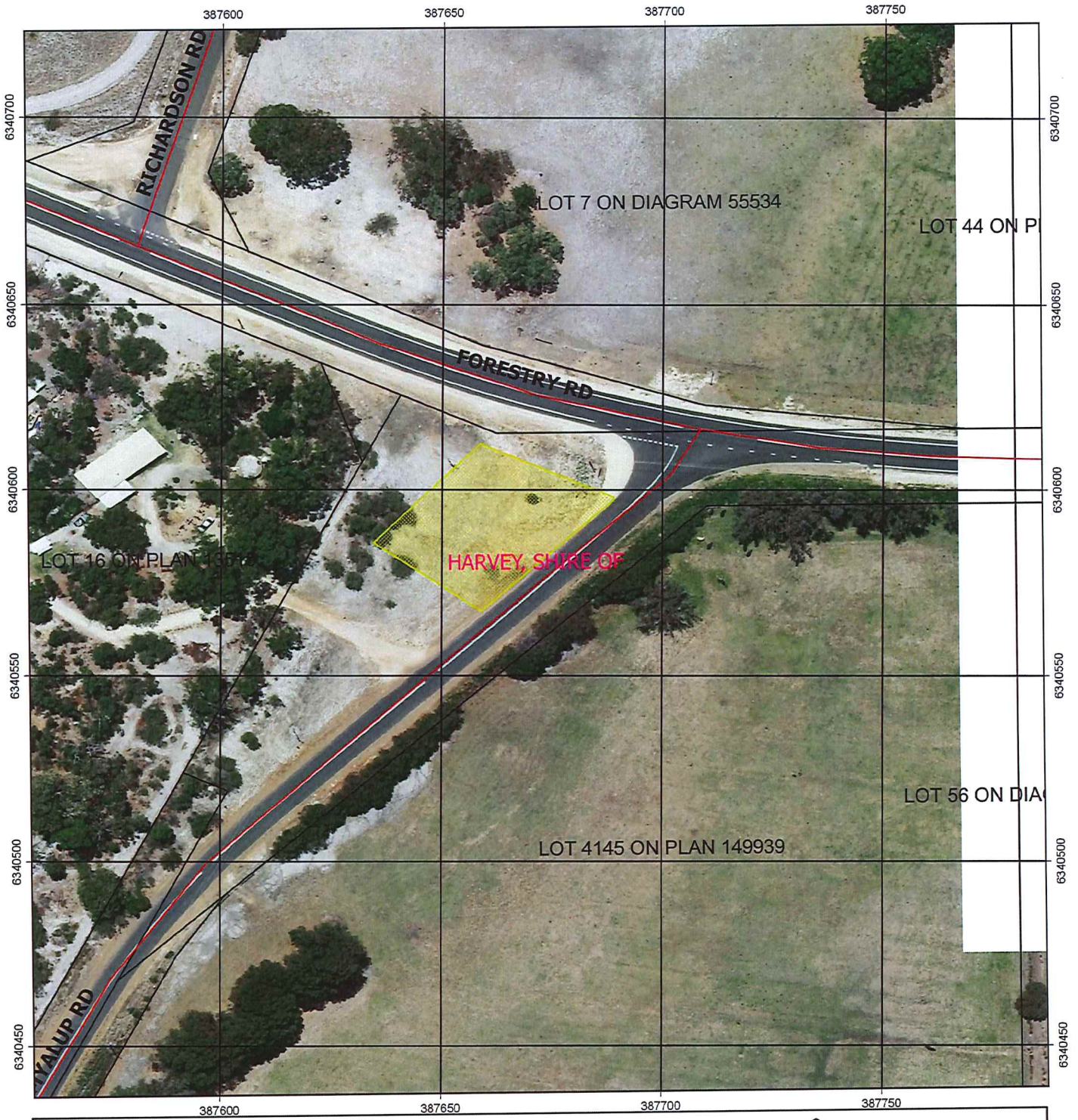
MS G Date.....
Mathew Gannaway

Officer with delegated authority under Section 20
of the Environmental Protection Act 1986







GOVERNMENT OF
WESTERN AUSTRALIA

Plan 7443/1d



Legend

-  Areas approved to clear
 -  Roads
 -  LGA
 -  Cadastre
- Virtual Mosaic (LGATE-V001)



1:938

MGA 94
Geocentric Datum of Australia 1994

Matthew Gannaway Date: *6/6/2017*

Officer with delegated authority under Section 20
of the Environmental Protection Act 1986



GOVERNMENT OF
WESTERN AUSTRALIA



1. Application details

1.1. Permit application details

Permit application No.: 7443/1
Permit type: Purpose Permit

1.2. Applicant details

Applicant's name: Department of Water

1.3. Property details

Property: Codford Road Reserve - 1346639, Lake Clifton
Alexander Road Reserve - 1339044, Yarloop
Myalup Road Reserve - 1368768, Uduc
Lot 3001 on Deposited Plan 66023, Lake Clifton
Lot 6044 on Diagram 97977, Myalup

Colloquial name:

Local Government Authority: Harvey, Shire of and Waroona, Shire of

DER Region: Greater Swan

DPaW District: Swan Coastal and Wellington

LCDC:

Localities: Myalup and Lake Clifton and Uduc and Yarloop

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.34		Mechanical Removal	Bore construction

1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 6 June 2017

Reasons for Decision: The clearing permit application was received on 10 January 2017 and has been assessed against the clearing principles, planning instruments and other matters in accordance with section 51O of the *Environmental Protection Act 1986*. It has been concluded that the proposed clearing is at variance to Principle (f) and is not likely to be at variance to the remaining clearing principles.

The Delegated Officer determined that the clearing of a number of relatively small, completely degraded (Keighery, 1994) application areas is unlikely to have any significant environmental impacts.

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
Three Beard vegetation associations have been mapped within the application area being: Beard vegetation association 1000 is described as mosaic: medium forest; jarrah-marri / low woodland; <i>Banksia</i> / low forest; teatree (<i>Melaleuca</i> spp.); Beard vegetation association 6 is described as medium woodland; tuart and jarrah; and Beard vegetation association 998 is described as medium woodland; tuart (Shepherd et al., 2001). Three Heddle vegetation complexes have been recorded within the	The applicant proposes to clear 0.34 hectares of native vegetation within Lot 3001 on Deposited Plan 66023 and Codford Road reserve (PIN: 1346639), Lake Clifton, Lot 6044 on Diagram 97977, Myalup, Alexander Road reserve (PIN: 1339044), Yarloop and Myalup Road reserve (PIN: 1368768), Uduc, for the purpose of installing ground water monitoring bores.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery, 1994)	The condition and description of the vegetation within the application area was determined through aerial imagery. The application area consists of four sites (Map A – D) as follows: Map A is located within Codford Road reserve and Lot 3001, Lake Clifton.

application area being:

Bassendean Complex Central and South is described as vegetation ranging from woodland of *Eucalyptus marginata* (jarrah) - *Allocasuarina fraseriana* (sheoak) - *Banksia* species to low woodland of *Melaleuca* species, and sedgelands on the moister sites. This area includes the transition of *Eucalyptus marginata* (jarrah) to *Eucalyptus tottiana* (pricklybark) in the vicinity of Perth;

Serpentine River Complex is described as Closed scrub of *Melaleuca* species and fringing woodland of *Eucalyptus rudis* (flooded gum) - *Melaleuca raphiophylla* (swamp paperbark) along streams; and

Yoongarillup Complex is described as woodland to tall woodland of *Eucalyptus gomphocephala* (tuart) with *Agonis flexuosa* in the second storey. Less consistently an open forest of *Eucalyptus gomphocephala* (tuart) - *Eucalyptus marginata* (jarrah) - *Corymbia calophylla* (marri) (Heddlé et al., 1980).

Map B is located within Lot 6044, Myalup.

Map C is located within Alexander Road reserve, Yarloop.

Map D is located within Myalup Road reserve, Uduc.

3. Assessment of application against clearing principles

Comments

The application is for the clearing of 0.34 hectares within four different locations within the Shire of Harvey and the Shire of Waroona. The four locations are in a completely degraded (Keighery, 1994) condition and have been partially cleared.

No conservation areas, rare or priority flora have been recorded within the vicinity of the four application areas. Given the relatively small areas proposed to be cleared are in a completely degraded (Keighery, 1994) condition and have been partially cleared, the proposed clearing is not likely to impact upon rare or priority flora, contain significant habitat for fauna, comprise a high biological diversity or impact upon the environmental values of a conservation area.

A small portion of Map D (0.004 hectares) is mapped within the state listed priority ecological community (PEC) (Priority 3) '*Banksia* Woodlands of the Swan Coastal Plain', which is also listed as a threatened ecological community (TEC) under the *Environment Protection and Biodiversity Conservation Act 1999*. The application area within Map D (0.124 hectares in size) is mostly cleared with little native vegetation remaining and in a completely degraded (Keighery, 1994) condition. Therefore the application area is not likely to be considered necessary for the maintenance of a TEC.

The proposed clearing may indirectly impact the above mentioned ecological community through the spread of weeds and dieback. Weed and dieback management actions will help mitigate this risk.

Map C is located within and Map D is located adjacent to a multiple use wetland. As such, the proposed clearing is at variance to Principle (f). Multiple use wetlands are described as 'wetlands with few important ecological attributes and function remaining' (Water and Rivers Commission, 2001). Given the completely degraded (Keighery, 1994) condition of the application area, the proposed clearing is not likely to have a significant impact on the environmental values of this wetland.

The proposed clearing of 0.34 hectares located within four areas across the Shire of Harvey and Shire of Waroona is not likely to contribute to or cause land degradation, deteriorate the quality of ground water, cause or exacerbate flooding or be considered a significant remnant within an extensively cleared area.

Given the above the proposed clearing is at variance to Principle (f) and is not likely to be at variance to the remaining clearing principles.

Methodology References:
Keighery (1994)
Water and Rivers Commission (2001)

GIS Datasets:

SAC Biodata sets accessed May 2017
Hydrography linear
NLWRA, Current Extent of Native Vegetation
Parks and Wildlife tenure
Geomorphic Wetlands (Classification), Swan Coastal Plain
Soils, statewide

Planning instruments and other relevant matters.

Comments The application was advertised on the Department of Environment Regulation's website on 10 February 2017 and in *The West Australian* newspaper on 13 February 2017. No submissions have been received in relation to this application.

No Aboriginal Sites of Significance have been recorded within the application area.

Methodology GIS Datasets:
Aboriginal Sites of Significance

4. References

- 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.
- Shepherd, D.P., Beeston, G.R. and Hopkins, A.J.M. (2001) Native Vegetation in Western Australia, Extent, Type and Status. Resource Management Technical Report 249. Department of Agriculture, Western Australia.
- Water and Rivers Commission (2001) Position Statement: Wetlands, Water and Rivers Commission, Perth.