GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS
Area Permit Number: 6327/1
File Number: 2011/006893-1
Duration of Permit: From 17 January 2015 to 17 January 2017

PERMIT HOLDER
Shire of Serpentine Jarrahdale

LAND ON WHICH CLEARING IS TO BE DONE
Soldiers Road reserve (PIN 11609324, PIN 11753837), Mundijong

AUTHORISED ACTIVITY
The Permit Holder shall not clear more than 0.39 hectares of native vegetation within the combined areas shaded yellow on attached Plan 6327/1a and Plan 6327/1b.

CONDITIONS

1. **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:

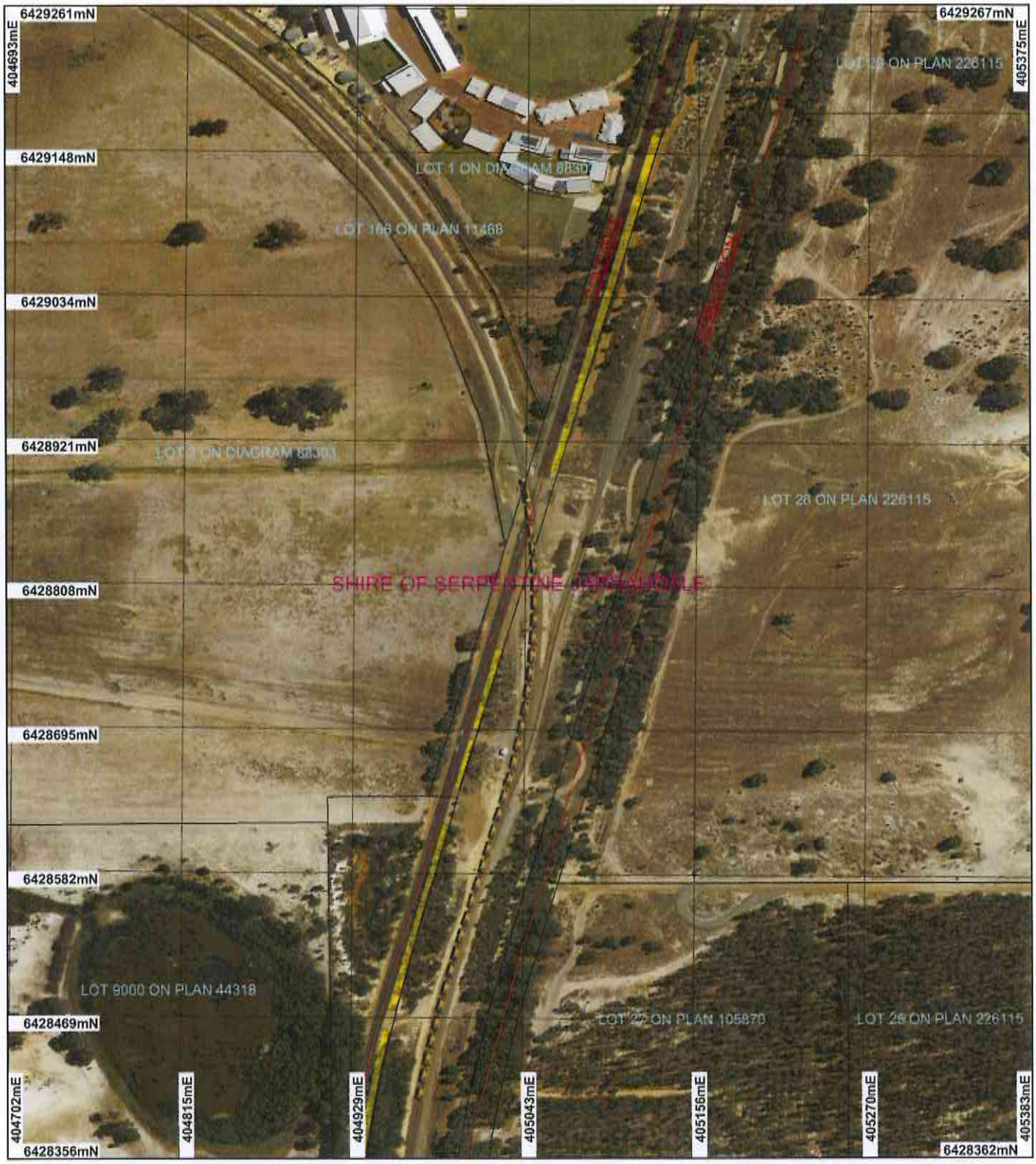
dieback means the effect of *Phytophthora* species on native vegetation;
dry conditions means when soils (not dust) do not freely adhere to rubber tyres, tracks, vehicle chassis or wheel arches;
fill means material used to increase the ground level, or fill a hollow;
mulch means the use of organic matter, 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

18 December 2014

Plan 6327/1a



LEGEND

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

Perth Metropolitan Area
Central 15cm Orthomosaic - Landgate 2012

N

0 100 m

Scale 1:4000
(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.

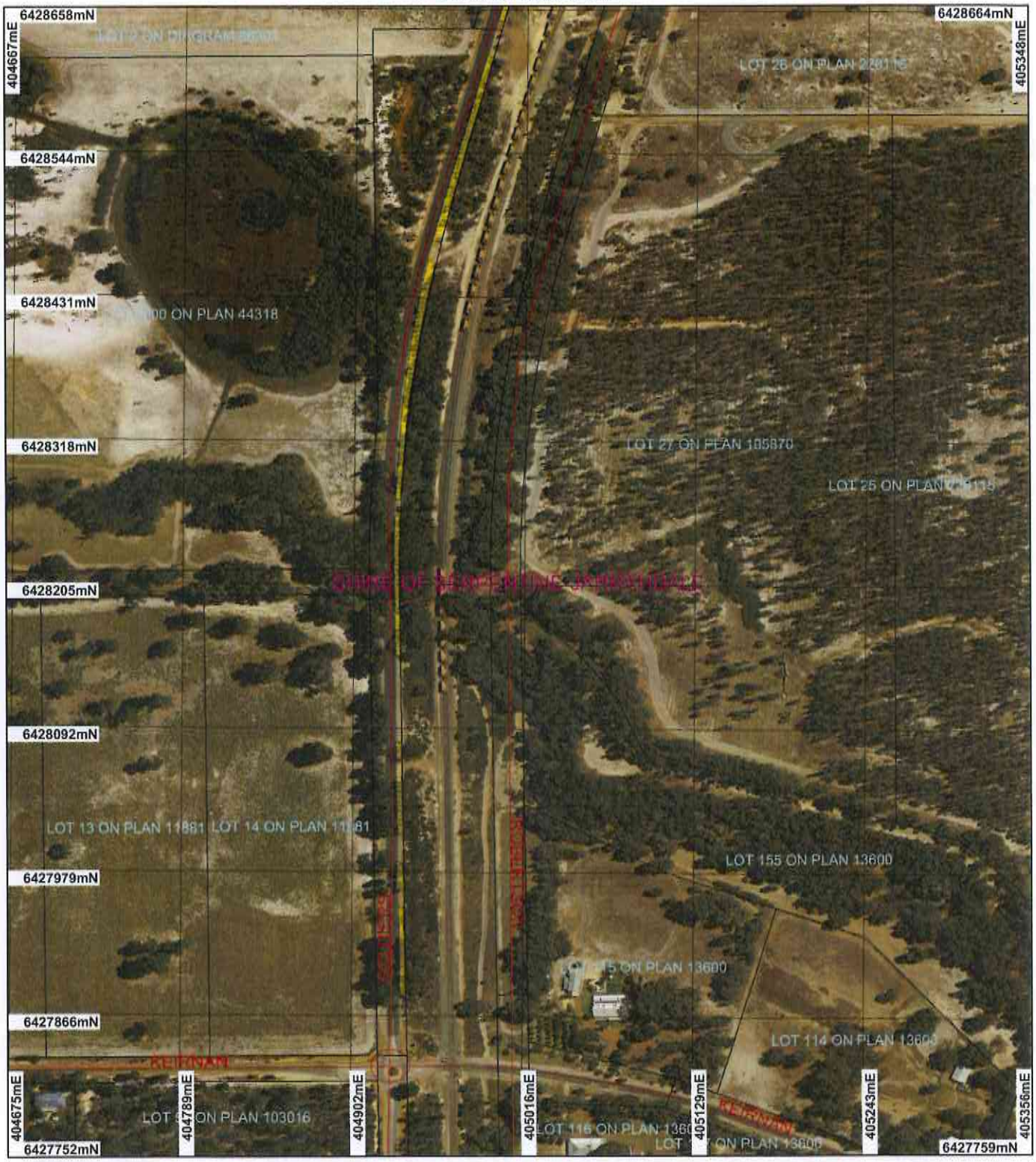
Date 18/12/14

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 acknowleged by the agency acronym in the legend.

Government of Western Australia
Department of Environment Regulation

Plan 6327/1b



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M Warnock
Date 18/12/14

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Government of Western Australia
Department of Environment Regulation

GOVERNMENT OF WESTERN AUSTRALIA

Clearing Permit Decision Report

Government of Western Australia
Department of Environment Regulation

1. Application details

1.1. Permit application details

Permit application No.: 6327/1
Permit type: Area Permit

1.2. Proponent details

Proponent's name: **Shire of Serpentine Jarrahdale**

1.3. Property details

Property: SOLDIERS ROAD RESERVE (MUNDIJONG 6123)
Local Government Area: Shire of Serpentine Jarrahdale
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 18 December 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
The vegetation under application has been mapped as: Mapped Beard vegetation association 968: Medium woodland; jarrah, marri & wandoo (Shepherd et al., 2001); Mapped Heddle Vegetation associations: Guildford Complex (20%): A mixture of open forest to tall open forest of Corymbia calophylla (Marri) - Eucalyptus wandoo (Wandoo) - Eucalyptus marginata (Jarrah) and woodland of Eucalyptus wandoo (Wandoo) (with rare occurrences of Eucalyptus lane-poolei (Salmon White Gum)). Minor components include Eucalyptus rudis (Flooded Gum) - Melaleuca rhaphiophylla (Swamp Paperbark). Forrestfield Complex (80%): Vegetation ranges from open forest of Corymbia calophylla (Marri) - Eucalyptus wandoo (Wandoo) - Eucalyptus marginata (Jarrah) to open forest of Eucalyptus marginata (Jarrah) - Corymbia calophylla (Marri) - Allocasuarina fraseriana (Sheoak) - Banksia species. Fringing woodland of Eucalyptus rudis (Flooded Gum) in the gullies that dissect this landform (Heddle et al., 1980).	The application is to clear 0.39 hectares of native vegetation within Soldiers Road reserve, Mundijong, for the purpose of constructing a cycle track.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery, 1994) to Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery, 1994)	The vegetation description was determined by aerial imagery.

3. Assessment of application against clearing principles

Comments

Application CPS 6327/1 is to clear 0.39 hectares of native vegetation within Soldiers Road reserve, Mundijong, for the purpose of constructing a cycle track. The proposed clearing extends approximately five metres in width from the bitumen of Soldiers Road and is situated between Soldiers Road and a railway reserve. The vegetation is in a completely degraded to degraded (Keighery, 1994) condition.

Five priority and four rare flora species have been mapped within the local area (five kilometre radius) within the same vegetation association and soil type as the application area. A flora survey did not reveal the presence of any of these species within the application or adjacent areas (Shire of Serpentine Jarrahdale, 2014).

No priority ecological communities are mapped within the local area. Several threatened ecological communities are located within the local area within the same vegetation association and soil type as the application area. Two of these are immediately adjacent to the application area, one at the northern end of the application area and another towards the southern end. These are both identified as 'Endangered' and are described as 'Banksia attenuata and/or Eucalyptus marginata woodlands of the eastern side of the Swan Coastal Plain'. A railway has previously been constructed through both of these communities, parallel to the application area. In addition, a vehicular access track has been constructed within the northern community, adjacent to the application area. The proposed clearing is not likely to impact on their environmental values given the small scale of the proposed clearing and the degraded to completely degraded (Keighery, 1994) condition of the vegetation within. Given the close proximity of the application area to these ecological communities, practices to minimise the spread of weeds and dieback are recommended.

Based on the above, the application area is unlikely to comprise a high level of biological diversity or be necessary for the continued existence of rare flora or a threatened ecological community. It is not considered a significant remnant of native vegetation in an area that has extensively been cleared.

Given the completely degraded to degraded (Keighery, 1994) condition of the vegetation and the lack of mature species suitable as habitat trees for black cockatoo species, the proposed clearing is unlikely to have a detrimental impact on indigenous fauna habitat.

A minor, non-perennial watercourse (Manjedal Brook) and a major drain transect the application area. Palusplain wetlands, including 'Conservation' and 'Multiple Use' category wetlands, encompass the application area. The proposed clearing is therefore expected to impact upon riparian vegetation. However, it is unlikely to significantly impact on the values of Manjedal Brook or wetlands due to the relatively small size and linear nature of the proposed clearing.

Given the linear and disjointed nature of the application area and its small scale, the proposed clearing is not likely to cause appreciable land degradation, cause deterioration in the quality of surface or underground water or cause or exacerbate the incidence of flooding.

The application is located within Bush Forever Site 350. Given the small scale of the application area, its degraded condition and linear nature, the proposed clearing is not likely to impact on the environmental values of this conservation area. For these reasons also, the proposed clearing is not likely to impact on the environmental values of other conservation areas that are mapped within the local area, situated further from the application area.

Considering the above, the application is at variance to clearing principle (f) and is not likely to be at variance to the remaining clearing principles.

Methodology

Reference:
- Keighery (1994)
- Shire of Serpentine Jarrahdale (2014)

GIS Datasets:
- Bush Forever
- Clearing Regulation - ESAs
- DPaW tenure
- Geomorphic Wetlands
- Heddle Vegetation Complex
- Hydrography, linear
- NLWRA
- Pre-European Vegetation
- RIWI Act
- SAC Biodatasets - accessed December 2014
- Soils, Statewide (Unit)

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

Comments

The application area is located within the Serpentine Groundwater Area (Proclaimed).

It falls within the area subject to the Environmental Protection (Peel Harvey Inlet) Policy 1992.

No public submissions have been received.

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

Methodology GIS Datasets:
- EPP, Peel Harvey Inlet Policy Bdy 1993
- Aboriginal Sites of Significance

4. References

Heddle, 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. Technical Report 249. Department of Agriculture Western Australia, South Perth.

Shire of Serpentine Jarrahdale (2014) Application for clearing permit CPS 6327/1 (DER Ref: A820340).