



GOVERNMENT OF  
WESTERN AUSTRALIA

## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

### PERMIT DETAILS

Area Permit Number: 3853/1  
File Number: 2010/005417  
Duration of Permit: From 9 October 2010 to 9 October 2012

### PERMIT HOLDER

Shire of Serpentine Jarrahdale

### LAND ON WHICH CLEARING IS TO BE DONE

Lot 808 on Plan 3644 (Byford 6122)  
Lot 1790 on Plan 164256 (Byford 6122)  
Lot 1789 on Plan 164256 (Byford 6122)  
Lot 2857 on Plan 187607 (Byford 6122)

### AUTHORISED ACTIVITY

The Permit Holder shall not clear more than 7.95 hectares of mistletoe (*Amyema miquelii*), within the hatched yellow on attached Plan 3853/1.

### 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) shall only move soils in *dry 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.

### 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; and

*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*.

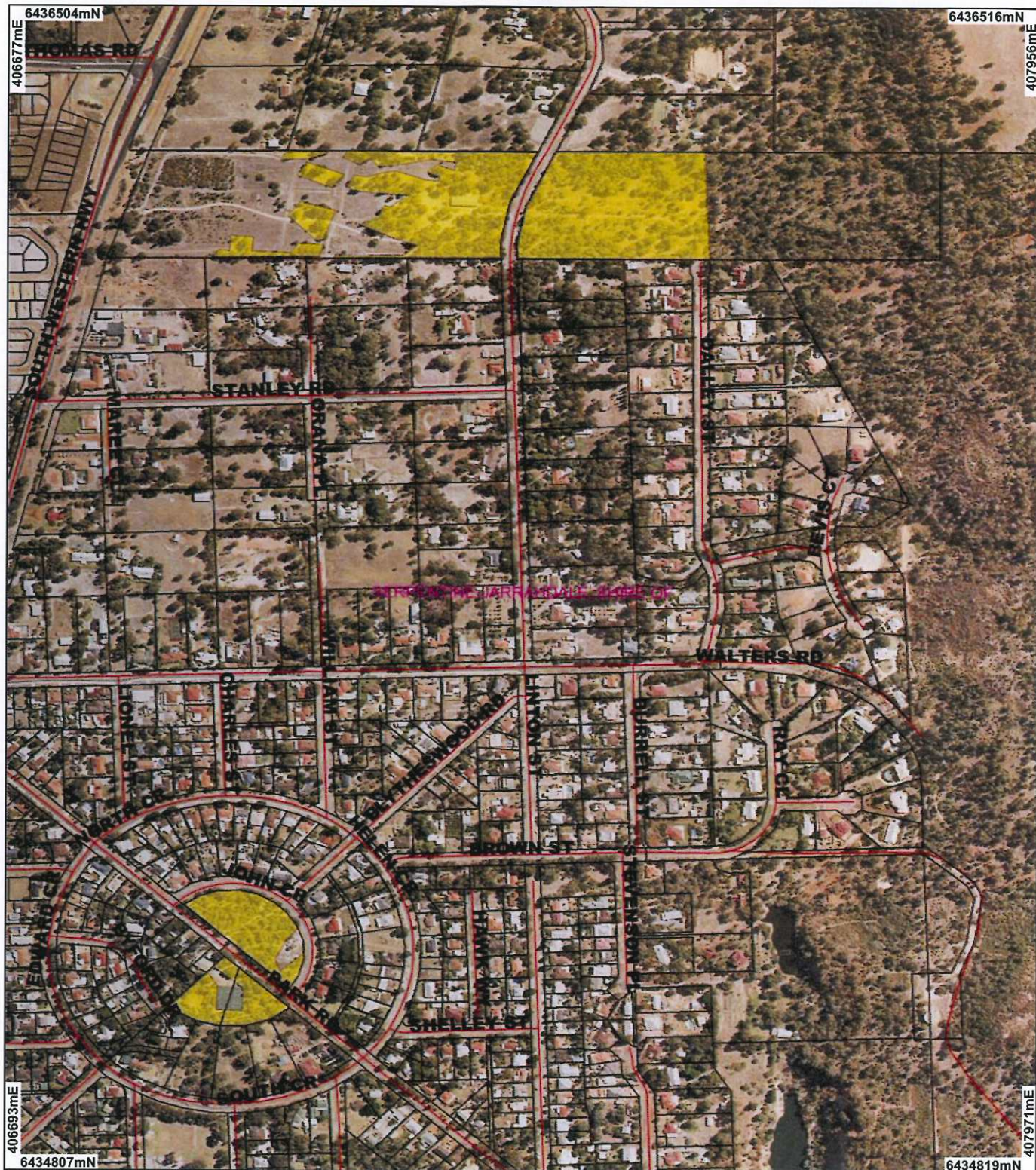
Kelly Faulkner  
Manager  
Native Vegetation Conservation Branch

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

9 September 2010



# Plan 3853/1



## LEGEND

- |                              |   |
|------------------------------|---|
| <b>Clearing Instruments</b>  | <b>Jarrahdale 50cm Orthomosaic</b><br>- Landgate 2006 |
| Areas Approved to Clear      |   |
| Road Centrelines             |   |
| Cadastre                     |   |
| Local Government Authorities |   |



Scale 1:7500  
(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.

*[Signature]* Date *9/9/10*  
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.



\* 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.: 3853/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Shire of Serpentine Jarrahdale

### 1.3. Property details

Property: LOT 808 ON PLAN 3644 (BYFORD 6122)  
LOT 1790 ON PLAN 164256 (BYFORD 6122)  
LOT 1789 ON PLAN 164256 (BYFORD 6122)  
LOT 2857 ON PLAN 187607 (BYFORD 6122)  
LOT 2857 ON PLAN 187607 (BYFORD 6122)

Local Government Area:

Colloquial name:

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
6.3		Cutting	Restoration
1.65		Cutting	Restoration

## 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
<p>Beard vegetation types:</p> <p>3: Medium forest; jarrah and marri</p> <p>4: Medium woodland; marri and wandoo (Hopkins et al 2001; Shepherd 2009)</p> <p>Hedde complexes:</p> <p>Forrestfield Complex Vegetation ranges from open forest of <i>E. calophylla</i> - <i>E. wandoo</i> - <i>E. marginata</i> to open forest of <i>E. marginata</i> - <i>E. calophylla</i> - <i>C. fraseriana</i> - <i>Banksia</i> species. Fringing woodland of <i>E. rudis</i> in the gullies that dissect this landform.</p> <p>Darling Scarp Complex- Vegetation ranges from low open woodland to lichens according to depth of soils. Woodland components chiefly <i>E. wandoo</i> with <i>E. laeliae</i> in the north, <i>E. haematoxylon</i> in the south, and <i>E. calophylla</i> throughout the region. Dominant vegetation types R. R. (Hedde et al, 1980)</p>	<p>The proposal comprises a total area of 7.95 ha within Reserve 20165 on Park Road and Reserve 10164 on Linton Street to control mistletoe infestations. This proposal is to clear mistletoe (<i>Amyema miquelii</i>) from the host marri trees (<i>Corymbia calophylla</i>).</p> <p>The vegetation within Reserve 10164 on Linton Street (land on western side of Linton Street) and Reserve 20165 on Park Road (southern section - Lots 1789 and 1790) is considered to be in degraded (Keighery 1994) condition.</p>	<p>Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)</p>	<p>The vegetation description and condition is based on a site visit; the vegetation condition ranges from degraded to very good (DEC 2010).</p>
As above	<p>The vegetation within Reserve 10164 on Linton Street (land on eastern side of Linton Street) and Reserve 20165 on Park Road (northern section - Lot 808) is considered to be in very good (Keighery 1994) condition.</p>	<p>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)</p>	As above

## 3. Assessment of application against clearing principles

### Comments

The proposal comprises a total area of 7.95 ha within Reserve 20165 on Park Road and Reserve 10164 on Linton Street to control mistletoe infestations. This proposal is to clear mistletoe (*Amyema miquelii*) from the host marri trees (*Corymbia calophylla*).

The vegetation within Reserve 10164 (land on eastern side of Linton Street) is considered to be in very good (Keighery 1994) condition and comprises areas observed to be impacted by dieback (DEC 2010) and the vegetation within Reserve 10164 (land on western side of Linton Street) is considered to be in degraded (Keighery 1994) condition and comprises areas observed to be historically cleared (DEC 2010).

The vegetation Reserve 20165 is considered to be in very good (Keighery 1994) condition in the northern section (Lot 808) and degraded (Keighery 1994) in the southern section (Lots 1789 and 1790) (DEC 2010).

To mitigate any impacts from the proposed clearing on the vegetation in very good (Keighery 1994) condition a weed control and dieback condition will be imposed on this permit.

Mistletoe is known to provide foraging, nesting and roosting sites for a large number of bird species, such as honeyeaters and mistletoe birds; and many insects, including larvae of butterflies such as the Satin Azure, eat nothing else (Bradshaw undated; Start undated; Williams et al 2009).

As the proposed clearing only involves the selective removal of mistletoe it is considered the vegetation would comprise limited habitat and biodiversity values.

Given the proposed clearing is for selective clearing of mistletoe from marri and not broad scale clearing, the proposal is not likely to significantly impact any biodiversity or environmental water values or cause any appreciable land degradation within the local or regional context. Therefore, the proposed clearing is not considered likely to be at variance to any of the clearing principles.

**Methodology** References:  
- Bradshaw (Undated)  
- Start (Undated)  
- Williams et al (2009)  
GIS Databases:  
- Cadastre

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

##### **Comments**

Reserve 20165 (lots 808, 1789 and 1790) on Park Road is in an area zoned Urban under the Metropolitan Regional Scheme. This reserve is vested with the Shire Serpentine Jarrahdale for the purpose of recreation.

Reserve 10164 (lot 2857) on Linton Street is in an area zoned Rural, and Parks and Recreation under the Metropolitan Regional Scheme. This reserve is vested with the Shire Serpentine Jarrahdale for the purpose of recreation.

**Methodology** GIS Databases:  
- Cadastre  
- Metropolitan Regional Scheme

#### **4. References**

- Bradshaw (Undated) Mistletoe - Friend not Foe! Western Wildlife Volume 11, No 1, page 8. Department of Environment and Conservation.
- DEC (2010) DEC Site Visit for Clearing Permit Application CPS 3853/1, conducted on 18 August 2010, Department of Environment and Conservation, Western Australia. DEC Ref A331006
- Hopkins, A.J.M., Beeston, G.R. and Harvey J.M. (2001) A database on the vegetation of Western Australia. Stage 1. CALMScience after J. S. Beard, late 1960's to early 1980's Vegetation Survey of Western Australia, UWA Press.
- 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. (2009) 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.
- Start (Undated) Mistletoe: Friend or Foe? Western Wildlife Volume 3, No 2, pages 5-8. Department of Environment and Conservation.
- Williams A., Powell R., Williams M. and Walker G. (2009) Bush Books: Common Butterflies of the South-west. Department of Environment and Conservation.



## 5. 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)