



## CLEARING PERMIT

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

<b>Purpose Permit number:</b>	CPS 5351/2
<b>Permit Holder:</b>	Commissioner of Main Roads Western Australia
<b>Duration of Permit:</b>	4 January 2013 to 4 January 2018

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 establishing/re-establishing maintenance zones around bridges.

#### 2. Land on which clearing is to be done

South Western Highway road reserve, Walpole (PINs: 11589018 and 11589019)  
South Western Highway road reserve, North Walpole (PIN: 11561347)  
South Western Highway road reserve, Broke (PIN: 11561352)  
South Western Highway road reserve, Shannon (PIN: 1261886)  
South Western Highway road reserve, Glen Iris (PINs: 1292274, 11575861, 1319074 and 11580413)  
South Western Highway road reserve, Waterloo (PIN: 1339300)  
South Western Highway road reserve, Serpentine (PIN: 1373159, 1373132, 1373130 and 1373138)  
Bussell Highway road reserve, Garbunbup (PIN: 11471120)  
Queen Victoria Street road reserve, being Lot 300 on Plan 49594, North Fremantle  
Queen Victoria Street road reserve, being Lot 301 on Plan 49594, Fremantle  
Canning Highway road reserve, Melville (PIN: 1284137)  
Canning Highway road reserve, Como (PINs: 11804755, 11804757, 11804756 and 11978294)  
Unallocated Crown land, Mount Pleasant (PIN: 243596)  
Albany Highway road reserve, Gosnells (PINs: 11809924, 11809923, 11599897 and 11809922)  
Lot 313 on Plan 47440, Gosnells  
Lot 500 on Plan 68140, Ascot  
Lot 501 on Plan 68140, Bayswater  
Lot 20 on Diagram 10065, Guildford  
Lot 21 on Diagram 10065, Guildford  
Bridge Street road reserve, Bassendean (PIN: 1288496)  
Bridge Street road reserve, Guildford (PIN: 11879032)  
Great Northern Highway road reserve, Middle Swan (PINs: 1260824 and 1337642)  
Great Northern Highway road reserve, Upper Swan (PINs: 1172734 and 1335350)  
Lot 51 on Plan 2858, Middle Swan  
Lot 69 on Diagram 55842, Middle Swan  
Lot 68 on Diagram 4348, Middle Swan  
Lot 305 on Plan 47453, Henley Brook  
Bindoon-Moora Road, Bindoon (PIN 1374100)  
Great Northern Highway, Bindoon (PINs 11513705 and 11513706)  
Bindoon-Moora Road, Mooliabeenee (PIN 1374124)

### 3. Area of Clearing

The Permit Holder must not clear more than 2.6 hectares of native vegetation within the combined areas hatched yellow on attached Plan 5351/2a, Plan 5351/2b, Plan 5351/2c, Plan 5351/2d, Plan 5351/2e, Plan 5351/2f, Plan 5351/2g, Plan 5351/2h, Plan 5351/2i, Plan 5351/2j, Plan 5351/2k, Plan 5351/2l, Plan 5351/2m and Plan 5351/2n.

### 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 project 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 project activities under the *Main Roads Act 1930* 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

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.

## DEFINITION

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 any plant -

- (a) that is declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*;  
or
- (b) published in the Department of Environment and Conservation Regional Weed Assessments,  
regardless of ranking; or
- (c) not indigenous to the area concerned.



M Warnock  
A/MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH





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

14 February 2013

# Plan 5351/2a - South Western Highway - 99



## LEGEND

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

Deep River 50cm Orthomosaic  
- Landgate 2007



0 125 m

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 16/2/13

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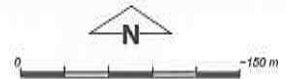
# Plan 5351/2b - South Western Highway - 97



## LEGEND

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

Deep River 50cm Orthomosaic  
- Landgate 2007



Scale 1:5000

(Approximate when reproduced at A4)

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# Plan 5351/2c - South Western Highway - 95 and 91



## LEGEND

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

Deep River 50cm Orthomosaic  
- Landgate 2007



0  1.5 km

Scale 1:80030

(Approximate when reproduced at A4)

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*M Wainock* Date 14/2/13

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# Plan 5351/2d - Bussell Highway - 0530A



## LEGEND

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

Bussefton 50cm Orthomosaic -  
Landgate 2007



Scale 1:10000  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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*M Warnock* Date *14/2/13*

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# Plan 5351/2e - South Western Highway - 430 and 0194A



## LEGEND

- Road Centrelines
- Cadastre for labelling
- Clearing Instruments
- Areas Approved to Clear
- Bumbury 50cm Orthomosaic - Landgate 2008

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0 1 2 km

Scale 1:45003  
(Approximate when reproduced at A4)

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*M. Warrack* Date: 16/2/13

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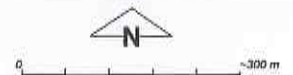
# Plan 5351/2f - South Western Highway - 127



## LEGEND

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

Perth Metropolitan Central  
15cm Orthomosaic - Landgate  
2011



Scale 1:10000

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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*M Warnock* Date: *12/2/13*

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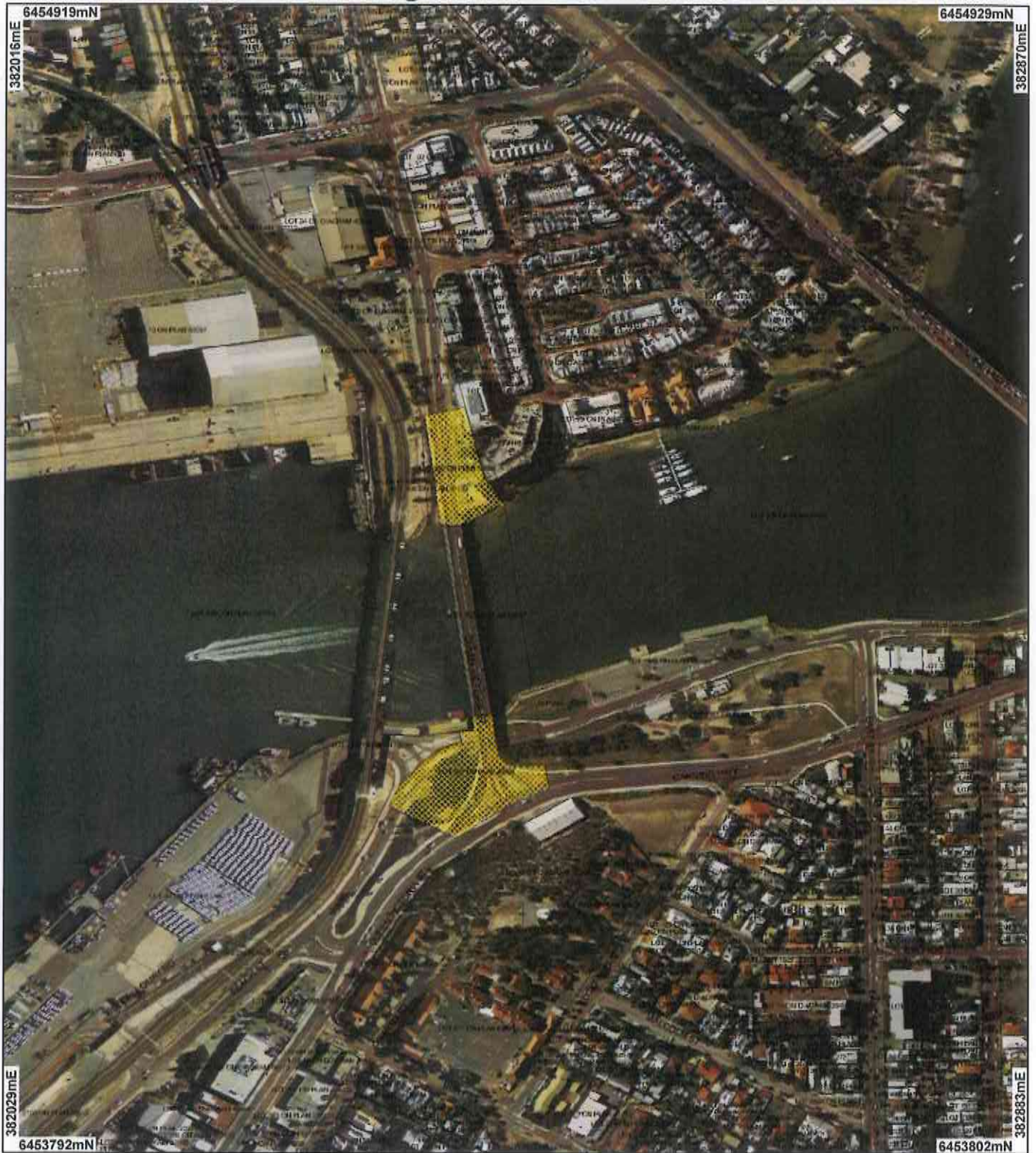
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# Plan 5351/2g - Queen Victoria St - 916



## LEGEND

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

Perth Metropolitan Central  
15cm Orthomosaic - Landgate  
2011



0  150 m

Scale 1:5000

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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*M. Watson* Date *14/2/13*

M Watson  
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# Plan 5351/2h - Canning Highway

- 912/913



## LEGEND

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

Perth Metropolitan Central  
15cm Orthomosaic - Landgate  
2011



0 125 m

Scale 1:5000  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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*M Warnock* Date: 10/2/13

M Warnock  
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# Plan 5351/2i - Albany Highway - 2



## LEGEND

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

Perth Metropolitan Central  
15cm Orthomosaic - Landgate  
2011



Scale 1:5000  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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*M Warnock* Date: 14/2/17

M Warnock  
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of the Environmental Protection Act 1985

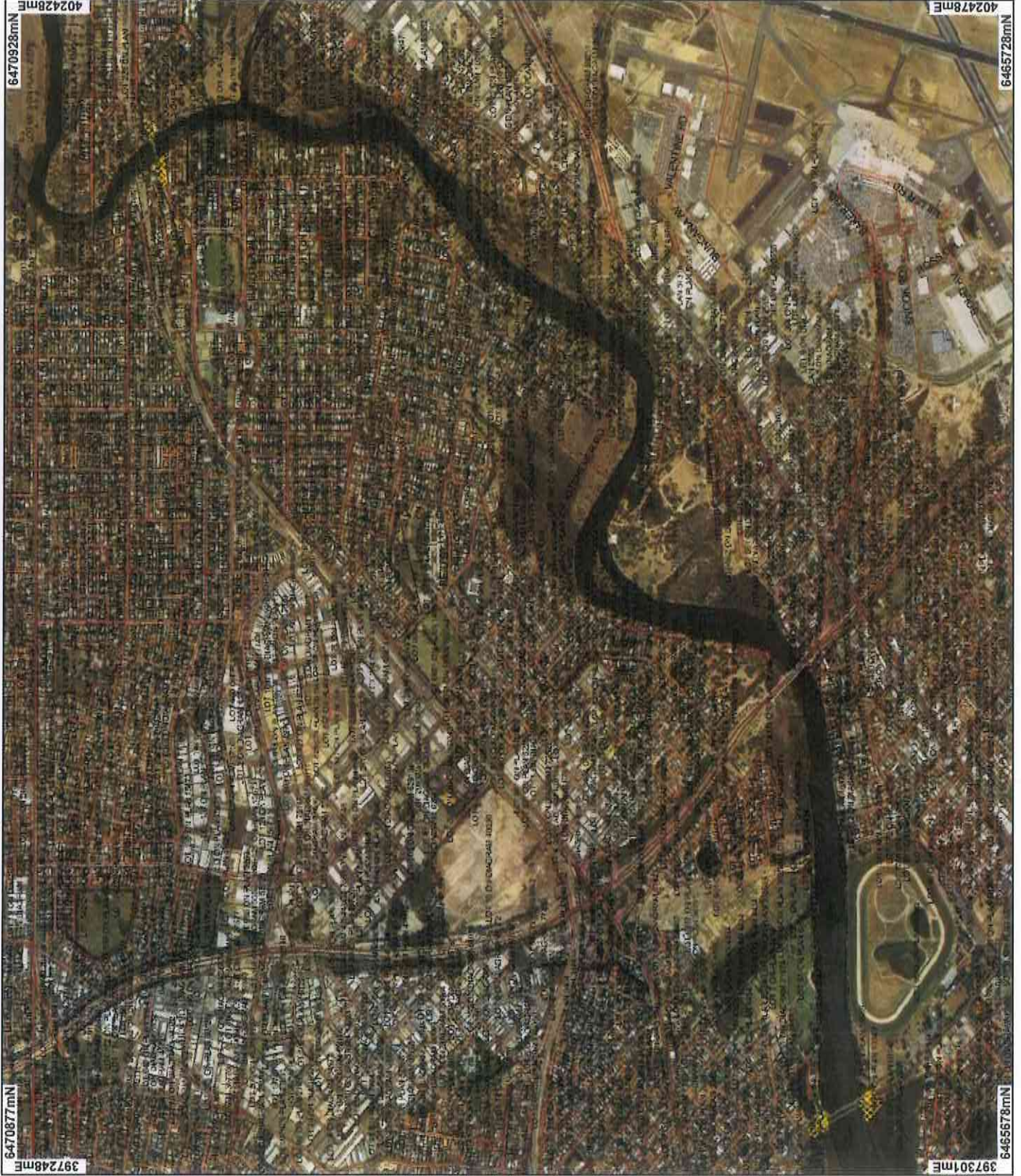
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# Plan 5351/2j - Garret Road -950 and Guildford Rd - 910



## LEGEND

- Road Centrelines
  - Cadastre for labelling
  - Clearing Instruments
  - Areas Approved to Clear
- Perth Metropolitan Central 15cm  
Orthomosaic - Landgate 2011

\* Project Data. This data has not been quality assured. Please contact map author for details.



0 625 m

Scale 1:24999

(Approximate when reproduced at A4)

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*M. Wierrock* Date: 16/12/13

M Wierrock

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# Plan 5351/2k - Great Northern Highway - 671/672



## LEGEND

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

Perth Metropolitan Central  
15cm Orthomosaic - Landgate  
2011



Scale 1:45001  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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*M. Warnock* Date 14/2/13

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

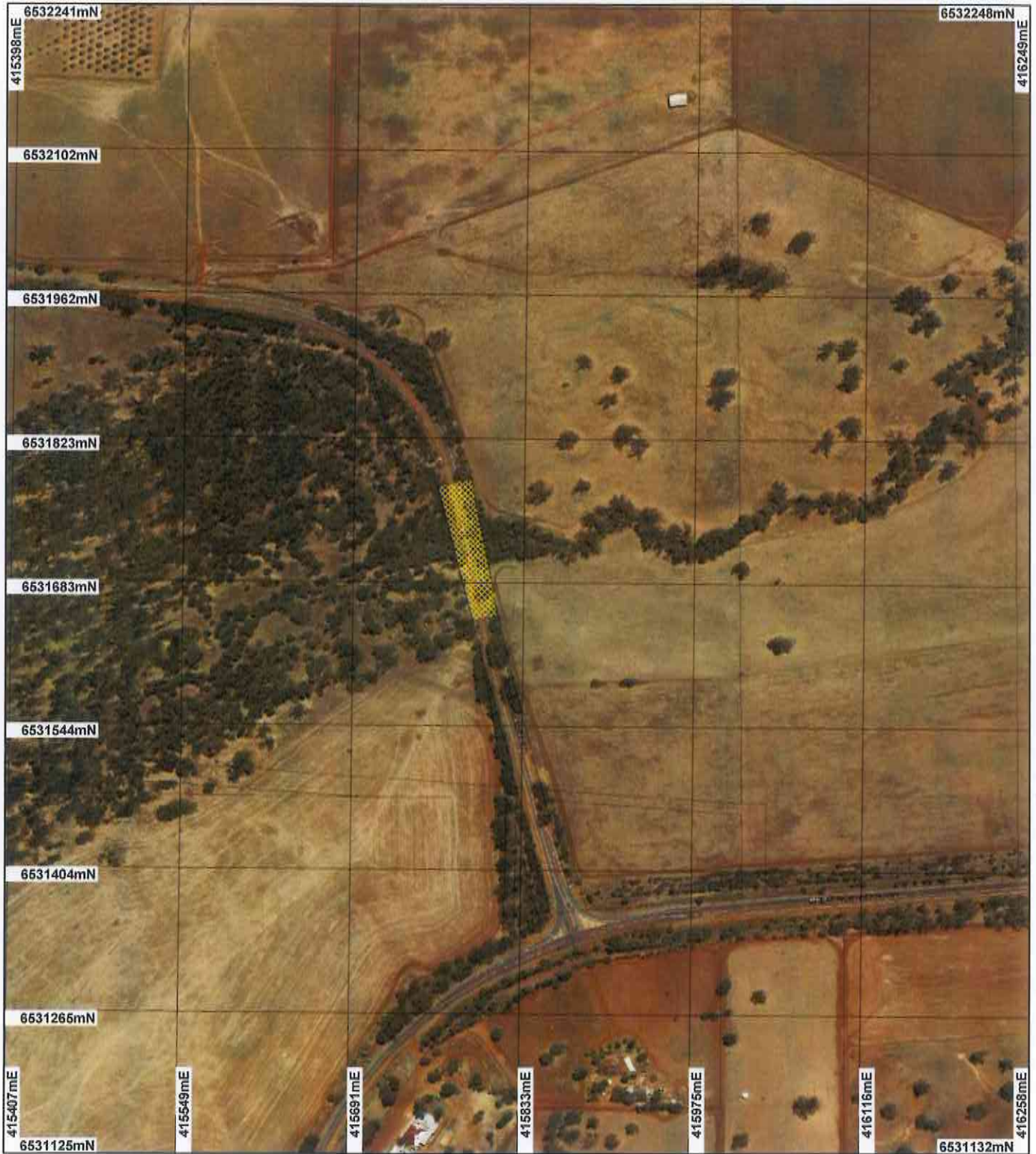
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# Plan 5351/2I - Bindoon Moora Rd - 4028



## LEGEND

- |                             |  |                |
|-----------------------------|--|----------------|
| <b>Clearing Instruments</b> |  | Recently added |
| Areas Approved to Clear     |  | Coverage       |
| Road Centrelines            | <b>Perth Metropolitan North<br/>15cm Orthomosaic - Landgate<br/>2011</b> |                |
| Cadastre                    |  |                |
| Image Index                 |  |                |
| (cont)                      |  |                |



Scale 1:4963  
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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*M Warnock* Date: 14/2/13  
M Warnock

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

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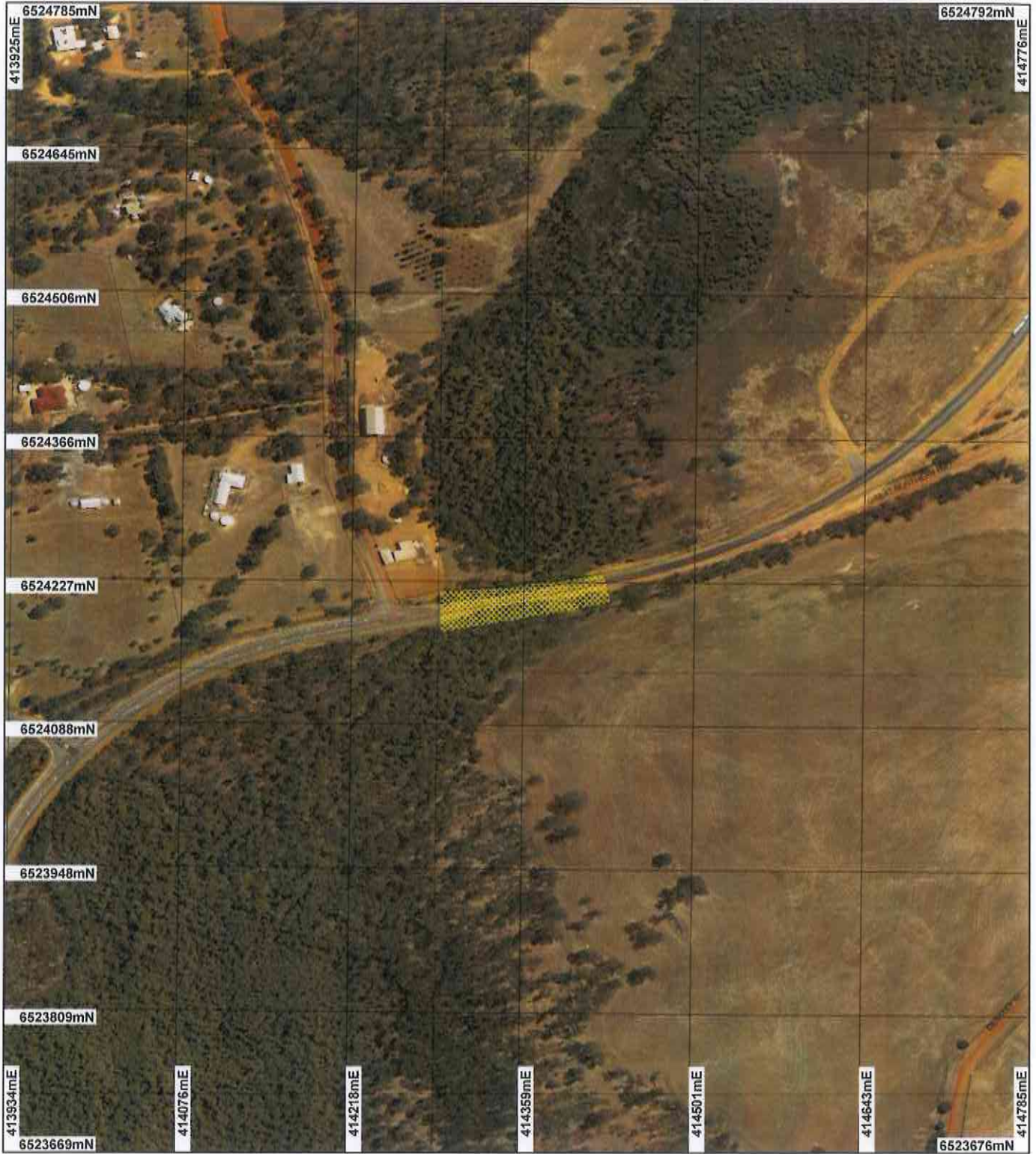


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\* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.

# Plan 5351/2m - Great Northern Hwy - 676



## LEGEND

- |                         |                                    |
|-------------------------|------------------------------------|
| Areas Approved to Clear | Recently added                     |
| Road Centrelines        | Coverage                           |
| Cadastre                | <b>Perth Metropolitan North</b>    |
| Image Index             | <b>15cm Orthomosaic - Landgate</b> |
| (cont)                  | <b>2011</b>                        |



Scale 1:4961  
(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 *14/2/13*

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

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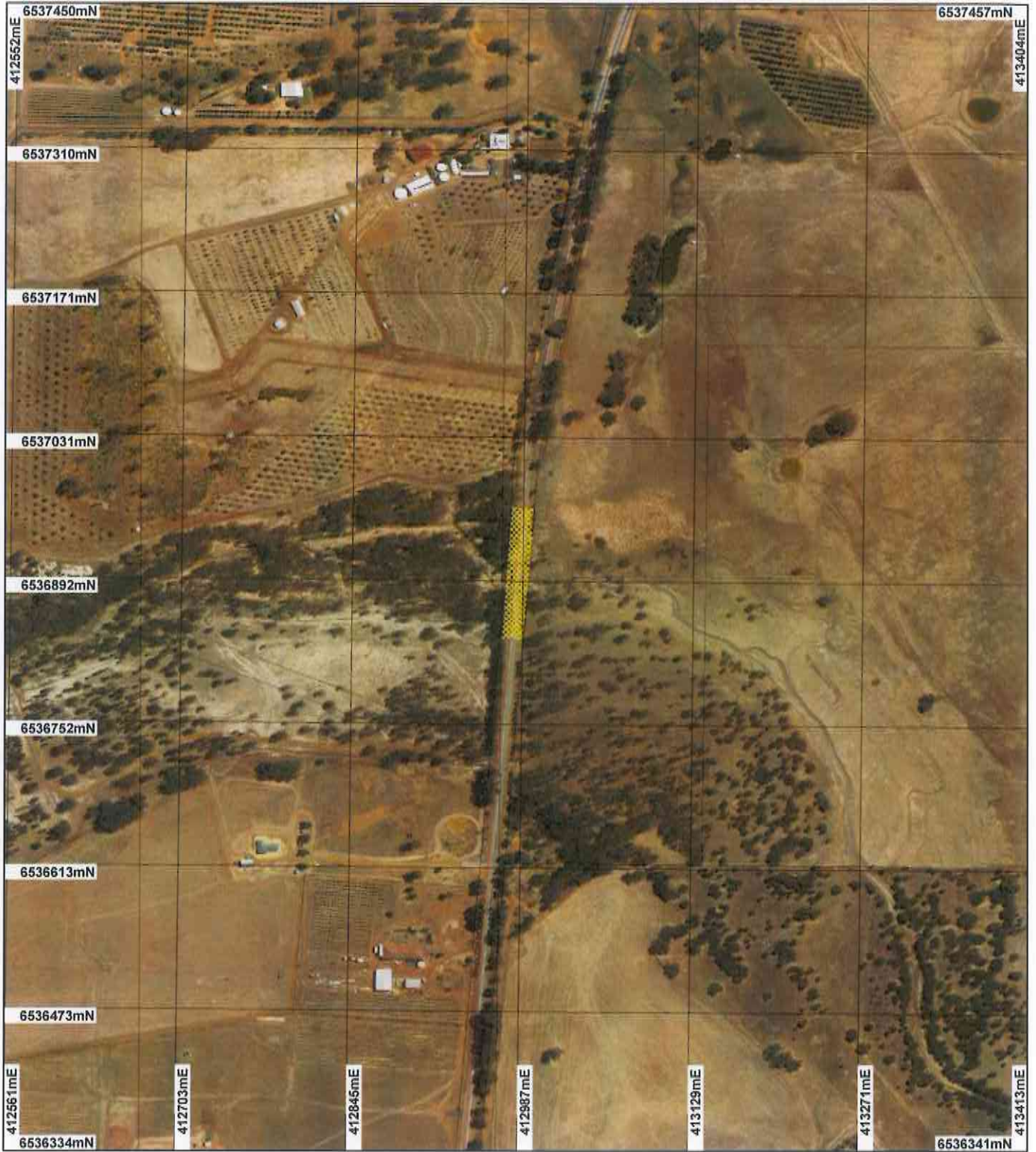
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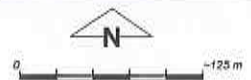


# Plan 5351/2n - Bindoon Moora Rd - 4553



## LEGEND

- |  |   |
|--|---|
| <b>Clearing Instruments</b>                      | <input type="checkbox"/> Recently added |
| <input type="checkbox"/> Areas Approved to Clear | <input type="checkbox"/> Coverage       |
| <input type="checkbox"/> Road Centrelines        | <b>Perth Metropolitan North</b>         |
| <input type="checkbox"/> Cadastre                | <b>15cm Orthomosaic - Landgate</b>      |
| <input type="checkbox"/> Image Index             | <b>2011</b>                             |
| (cont)   |   |



Scale 1:4965  
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*M Warnock* Date 14/2/13  
M Warnock

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## 1. Application details

### 1.1. Permit application details

Permit application No.: 5351/2  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Commissioner of Main Roads Western Australia

### 1.3. Property details

Property:

- ROAD RESERVE ( NORTH WALPOLE 6398)
- ROAD RESERVE ( WALPOLE 6398)
- ROAD RESERVE ( BROKE 6398)
- ROAD RESERVE ( SHANNON 6262)
- ROAD RESERVE ( SHANNON 6262)
- ROAD RESERVE ( CARBUNUP RIVER 6280)
- ROAD RESERVE ( GLEN IRIS 6230)
- ROAD RESERVE ( PICTON 6229)
- ROAD RESERVE ( GLEN IRIS 6230)
- WATER FEATURE ( DAVENPORT 6230)
- UNALLOCATED CROWN LAND ( PICTON 6229)
- ROAD RESERVE ( WATERLOO 6228)
- ROAD RESERVE ( SERPENTINE 6125)
- ROAD RESERVE ( SERPENTINE 6125)
- LOT 301 ON PLAN 49594 ( FREMANTLE 6160)
- LOT 300 ON PLAN 49594 ( NORTH FREMANTLE 6159)
- ROAD RESERVE ( MELVILLE, CITY OF )
- UNALLOCATED CROWN LAND ( MOUNT PLEASANT 6153)
- ROAD RESERVE ( COMO 6152)
- ROAD RESERVE ( COMO 6152)
- ROAD RESERVE ( GOSNELLS 6110)
- ROAD RESERVE ( GOSNELLS 6110)
- LOT 313 ON PLAN 47440 ( GOSNELLS 6110)
- LOT 500 ON PLAN 68140 ( ASCOT 6104)
- LOT 501 ON PLAN 68140 (Lot No. 501 GARRATT BAYSWATER 6053)
- ROAD RESERVE ( BASSENDEAN 6054)
- LOT 20 ON DIAGRAM 10065 ( GUILDFORD 6055)
- ROAD RESERVE ( GUILDFORD 6055)
- LOT 21 ON DIAGRAM 10065 ( GUILDFORD 6055)
- ROAD RESERVE ( MIDDLE SWAN 6056)
- ROAD RESERVE ( MIDDLE SWAN 6056)
- LOT 68 ON DIAGRAM 4348 (House No. 345 GREAT NORTHERN MIDDLE SWAN 6056)
- LOT 69 ON DIAGRAM 55842 (Lot No. 69 GREAT NORTHERN MIDDLE SWAN 6056)
- LOT 51 ON PLAN 5828 (Lot No. 51 GREAT NORTHERN MIDDLE SWAN 6056)
- ROAD RESERVE ( MIDDLE SWAN 6056)
- ROAD RESERVE ( UPPER SWAN 6069)
- ROAD RESERVE ( UPPER SWAN 6069)
- LOT 305 ON PLAN 47453 ( HENLEY BROOK 6055)
- ROAD RESERVE ( MOOLIABEENEE 6504)
- ROAD RESERVE ( BINDOON 6502)

Local Government Area: Cities of Bayswater, Belmont, Busselton, Bunbury, Fremantle, Gosnells, Melville, South Perth and Swan, Shires of Chittering, Dardanup, Manjimup and Serpentine-Jarrahdale, Town of Bassendean

Colloquial name:

## 1.4. Application

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

## 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 14 February 2013

## 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 18 areas under application have been mapped as the following Beard Vegetation Associations:	Main Roads Western Australia are proposing to clear up to 2.6 hectares of native vegetation for the purpose of re establishing maintenance zones around 18 bridges in the South West and Metropolitan regions.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition of the vegetation was determined via digital imagery.
3 - Medium forest; jarrah-marri			
6 - Medium woodland; tuart & jarrah			
27 - Low woodland; paperbark ( <i>Melaleuca</i> sp.)	The majority of the areas under application have been previously cleared and are in a degraded (Keighery, 1994) condition.		
51- Sedgeland; reed swamps, occasionally with heath			
109 - Hummock grasslands, shrub steppe; <i>Eucalyptus youngiana</i> over hard spinifex			
142 - Medium woodland; York gum & salmon gum			
940- Mosaic: Shrublands; mallee scrub, black marlock / Shrublands; tallerack mallee-heath			
968 - Medium woodland; jarrah, marri & wandoo			
998 - Medium woodland; tuart			
1000 - Mosaic: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree ( <i>Melaleuca</i> Spp.)			
1136 - Medium woodland; marri with some jarrah, wandoo, river gum and casuarina			
1144 - Tall forest; karri & marri ( <i>Corymbus calophylla</i> )			
1150 - Tall forest; karri, red tingle & yellow tingle			
1182 - Medium woodland; <i>Eucalyptus rudis</i> & <i>Melaleuca raphiophylla</i>			

(Shepherd et al. 2001)

## 3. Assessment of application against clearing principles

### Comments

This amendment has been made to include an additional three bridges to the permit. The addition of these three bridges brings the total area to be cleared up to 2.6 hectares.

The assessment against the clearing principles has not changed and can be found in Clearing Permit Decision Report CPS 5351/1.

## Methodology

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

#### Comments

The assessment against planning and other matters has not changed and can be found in Clearing Permit Decision Report CPS 5351/1.

#### Methodology

## 4. References

- 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.

## 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)