



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5417/1
Permit Holder:	Shire of Beverley
Duration of Permit:	15 March 2013 – 15 March 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 road widening.

2. Land on which clearing is to be done

Edison Mill Road reserve, FLINT, PIN 11525629
York Williams Road reserve, DALE, PIN 11662370

3. Area of Clearing

The Permit Holder shall not clear more than 0.1 hectares of native vegetation and 29 native trees within the combined areas hatched yellow on attached Plan 5417/1a and Plan 5417/1b and Plan 5417/1c and Plan 5417/1d and Plan 5417/1e and Plan 5417/1f and Plan 5417/1g.

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.

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:

- 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.

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.

9. Fauna management

(a) Prior to undertaking any clearing authorised under this Permit, the areas shall be inspected by a *fauna specialist* who shall identify *habitat trees* suitable to be utilised by fauna species listed below:

- (i) *Calyptorhynchus banksii subsp. naso* (Forest Red-tailed Black-Cockatoo);
- (ii) *Calyptorhynchus baudinii* (Baudin's Cockatoo); and
- (iii) *Calyptorhynchus latirostris* (Carnaby's Cockatoo).

(b) Prior to clearing, any *habitat tree(s)* identified by condition 9(a) shall be inspected by a *fauna specialist* for the presence of fauna listed in condition 9(a).

(c) Where fauna are identified in relation to condition 9(b) of this Permit, the Permit Holder shall ensure that:

- (i) no clearing of the identified *habitat tree(s)* occurs, unless first approved by the CEO
- (ii) where fauna are identified in relation to condition 9(b) of this Permit, the Permit Holder shall ensure that no taking of identified fauna occurs unless first approved by the CEO.

PART III - RECORD KEEPING AND REPORTING

10. Records must be kept

The Permit Holder must maintain the following records for activities done pursuant to this Permit:

- (a) In relation to the clearing of native vegetation authorised under this Permit:
 - (i) the species composition, structure and density of the cleared area;
 - (ii) the location where the clearing occurred, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings;
 - (iii) the date that the area was cleared; and
 - (iv) the size of the area cleared (in hectares).
- (b) In relation to fauna management pursuant to condition 9 of this Permit:
 - (i) the location of each *habitat tree* identified recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees;
 - (ii) the species name of fauna reasonably likely to utilise, or that have been observed utilising, the *habitat/habitat tree(s)*;
 - (iii) the location and date where relocated fauna was released, recorded using a Global Positioning System (GPS) unit set to Geocentric Datum Australia 1994 (GDA94), expressing the geographical coordinates in Eastings and Northings or decimal degrees; and
 - (iv) a copy of the *fauna specialist's* report.

11. Reporting

- (a) The Permit Holder must provide to the CEO on or before 30 June of each year, a written report:
- (i) of records required under condition 10 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 January to 31 December of the preceding calendar year.
- (b) If no clearing authorised under this Permit was undertaken between 1 January to 31 December of the preceding calendar year, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 30 June of each year.
- (c) Prior to 15 December 2017, the Permit Holder must provide to the CEO a written report of records required under condition 10 of this Permit where these records have not already been provided under condition 11(a) of this Permit.

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;

fauna specialist means a person with training and specific work experience in fauna identification or faunal assemblage surveys of Western Australian fauna;

fill means material used to increase the ground level, or fill a hollow;

habitat tree(s) means trees that have a diameter, measured at 1.5 metres from the base of the tree, of 50 centimetres or greater, that contains or has the potential to develop hollows or roosts suitable for native fauna;

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;

Wildlife Conservation (Specially Protected Fauna) Notice means those fauna taxa gazetted as rare fauna pursuant to section 14(4)(a) of the *Wildlife Conservation Act 1950* (as amended).

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.



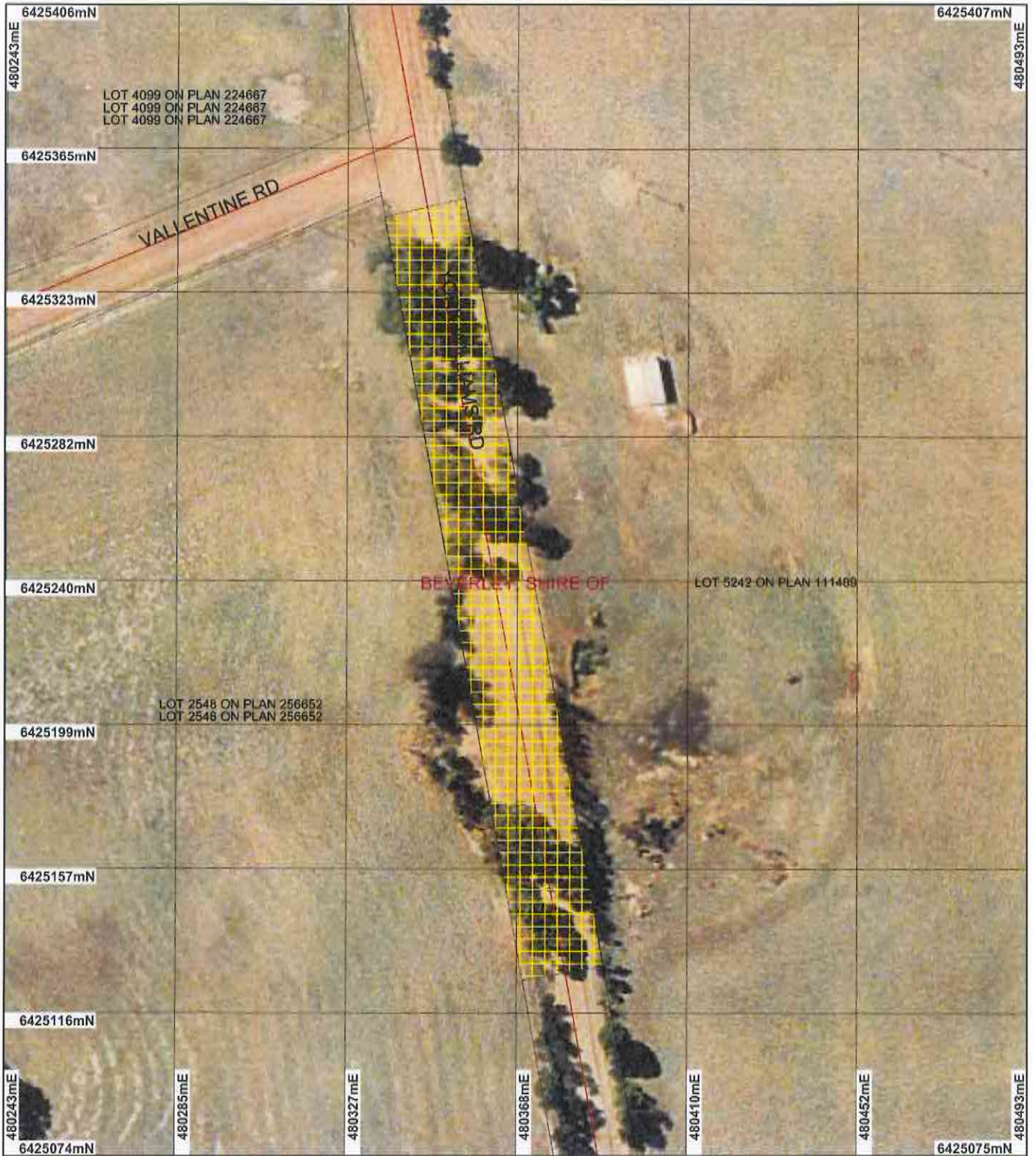
M Warnock
A/MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

21 February 2013

CPS 5417/1, 21 February 2013

Plan 5417/1a



LEGEND

- Cadastre Road Centrelines
 - Local Government Authorities
 - Clearing Instruments
 - Areas Approved to Clear
- 480243mE 480285mE 480327mE 480368mE 480410mE 480452mE 480493mE
- 6425074mN 6425116mN 6425157mN 6425199mN 6425240mN 6425282mN 6425323mN 6425365mN 6425406mN



Scale 1:1467
(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 21/3/13
Date

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

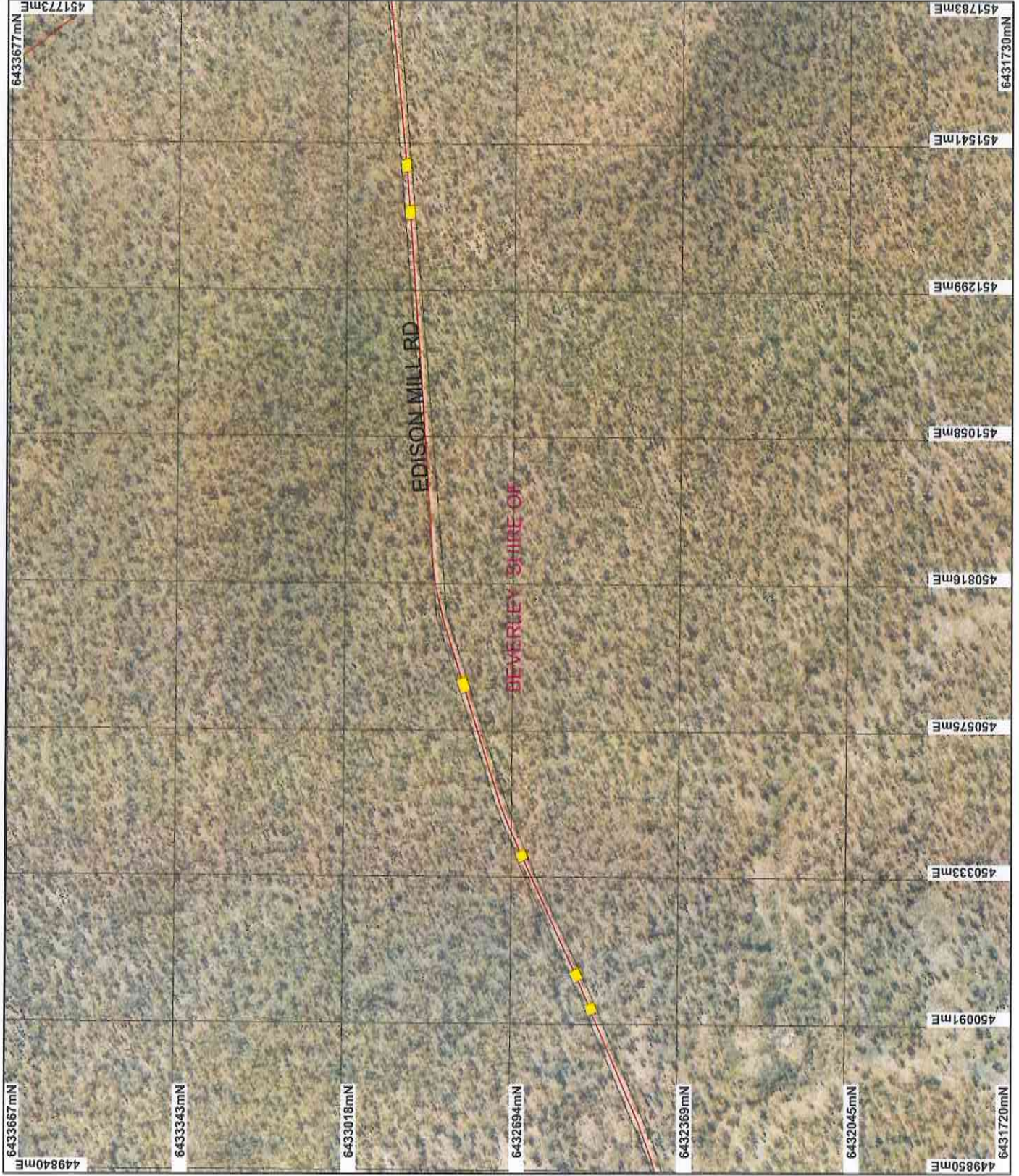
Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



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

Plan 5417/1b



LEGEND

- Red dashed lines
- Local Government Authorities Clearing Instruments
- Areas Approved to Clear
- Beverley 50cm Orthomosaic - Landgate 2006
- Jarrahdale 50cm Orthomosaic - Landgate 2006

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



0 250 m

Scale 1:3050

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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Overhead Date 21/2/13

M Waincock

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

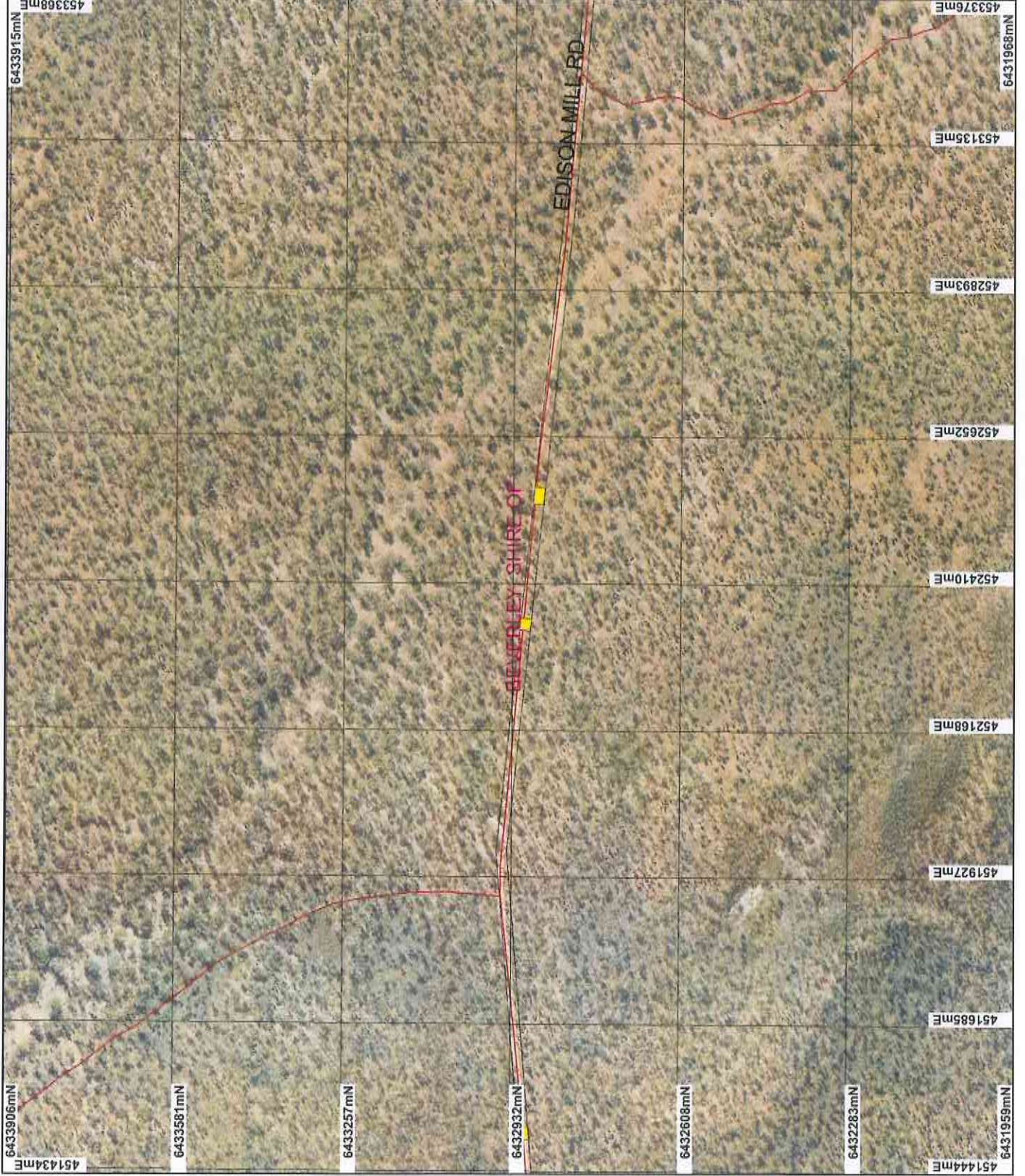
Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



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Plan 5417/1c



LEGEND

- Redlines
- Chainlines
- Local Government Authorities
- Clearing Instruments
- Areas Approved to Clear
- Beverley 50cm Orthomosaic - Landgate 2006
- Jarrahdale 50cm Orthomosaic - Landgate 2006

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



0 250 m

Scale 1:9950

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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M. Wainook Date 21/2/13

M Wainook

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

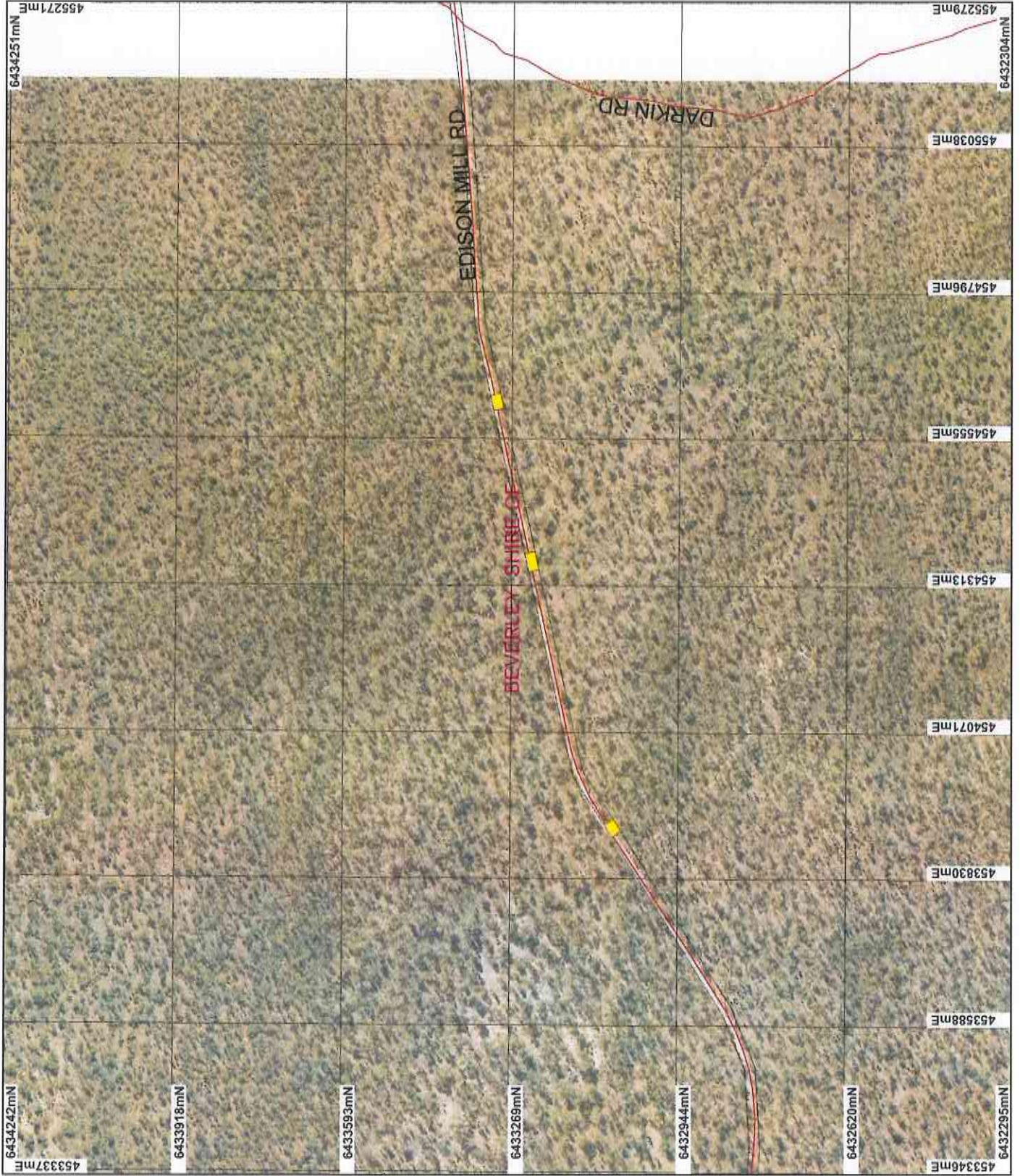
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Plan 5417/1d



LEGEND

- Red dashed lines
Local Government Authorities Clearing Instruments
- Areas Approved to Clear
- Beverley 50cm Orthomosaic - Landgate 2006
- Jarrohdale 50cm Orthomosaic - Landgate 2006

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



0 200 m

Scale 1:9051

(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.

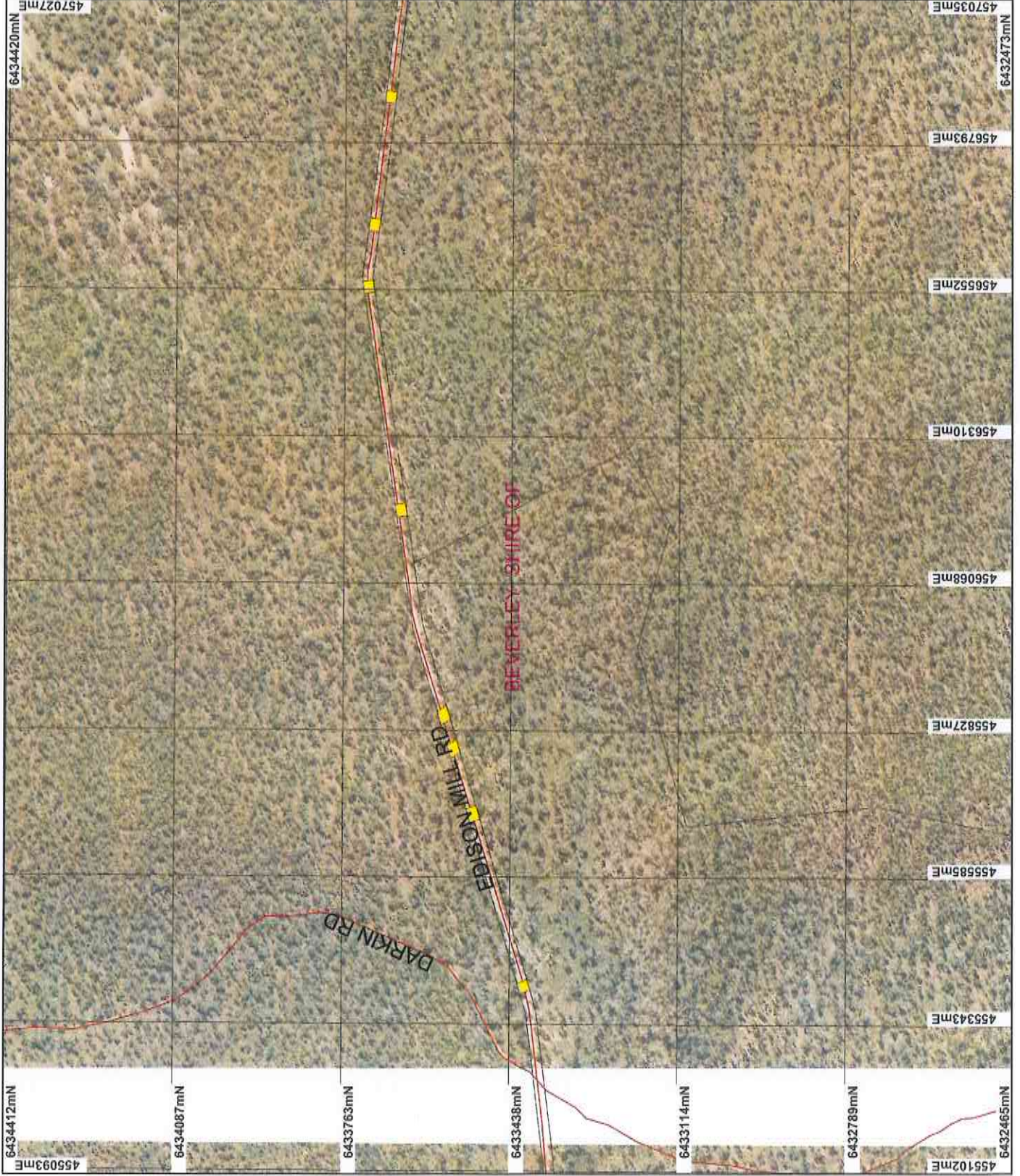
M. Waincock Date *21/2/13*

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

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Plan 5417/1e



LEGEND

- Reddick Centrelines**
- Local Government Authorities Clearing Instruments
- Areas Approved to Clear
- Beverley 50cm Orthomosaic - Landgate 2006
- Jarrahdale 50cm Orthomosaic - Landgate 2006

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



Scale 1:9351
(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.

Michael Date *21/2/19*
M Wilmock

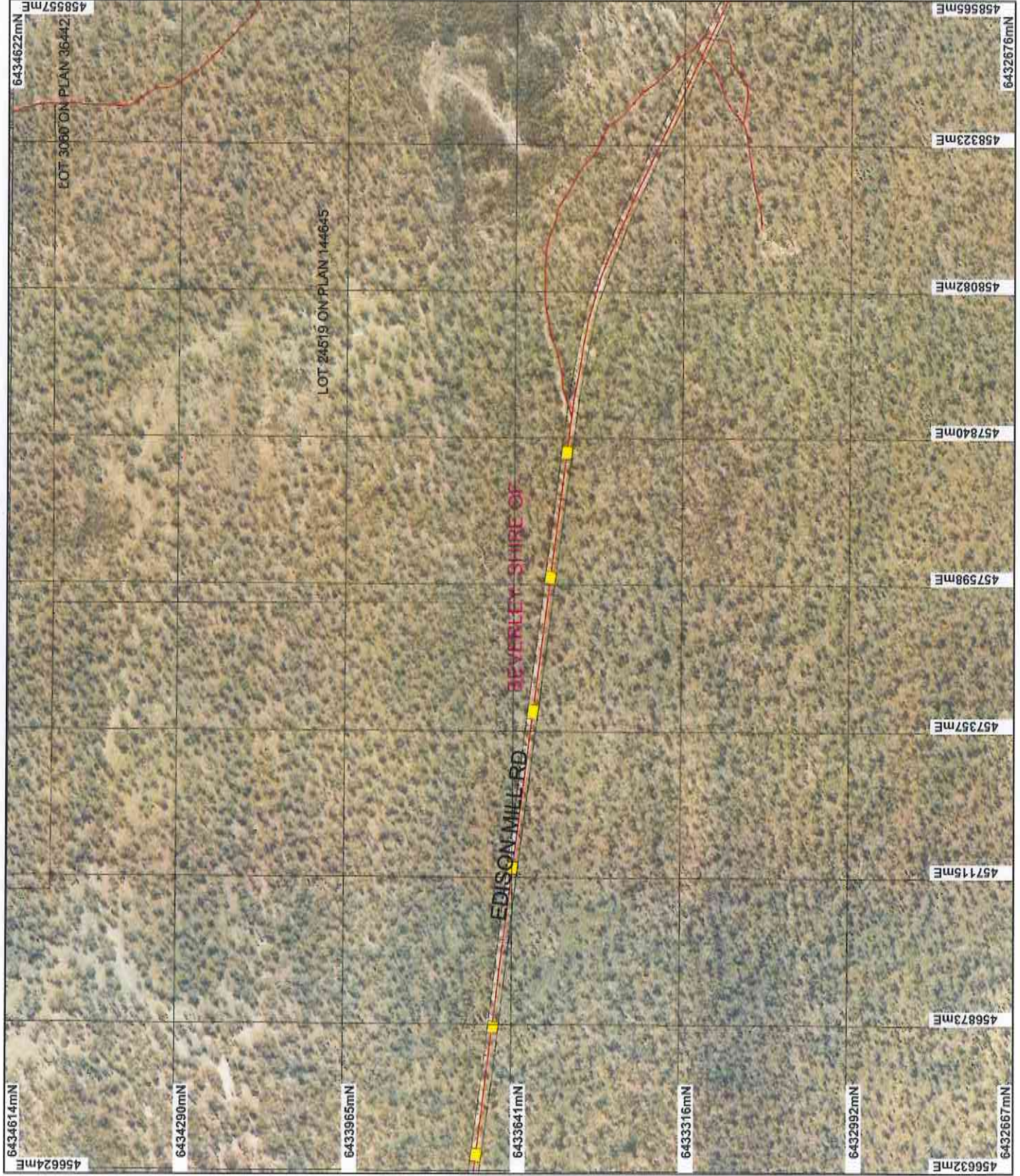
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Plan 5417/1f



LEGEND

- Redlines
- Local Government Authorities
- Clearing Instruments
- Areas Approved to Clear
- Beverley 50cm Orthomosaic - Landgate 2006
- Jarrahdale 50cm Orthomosaic - Landgate 2006

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



0 250 m

Scale 1:3057

(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. Ward Date 21/2/13

M. Ward

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

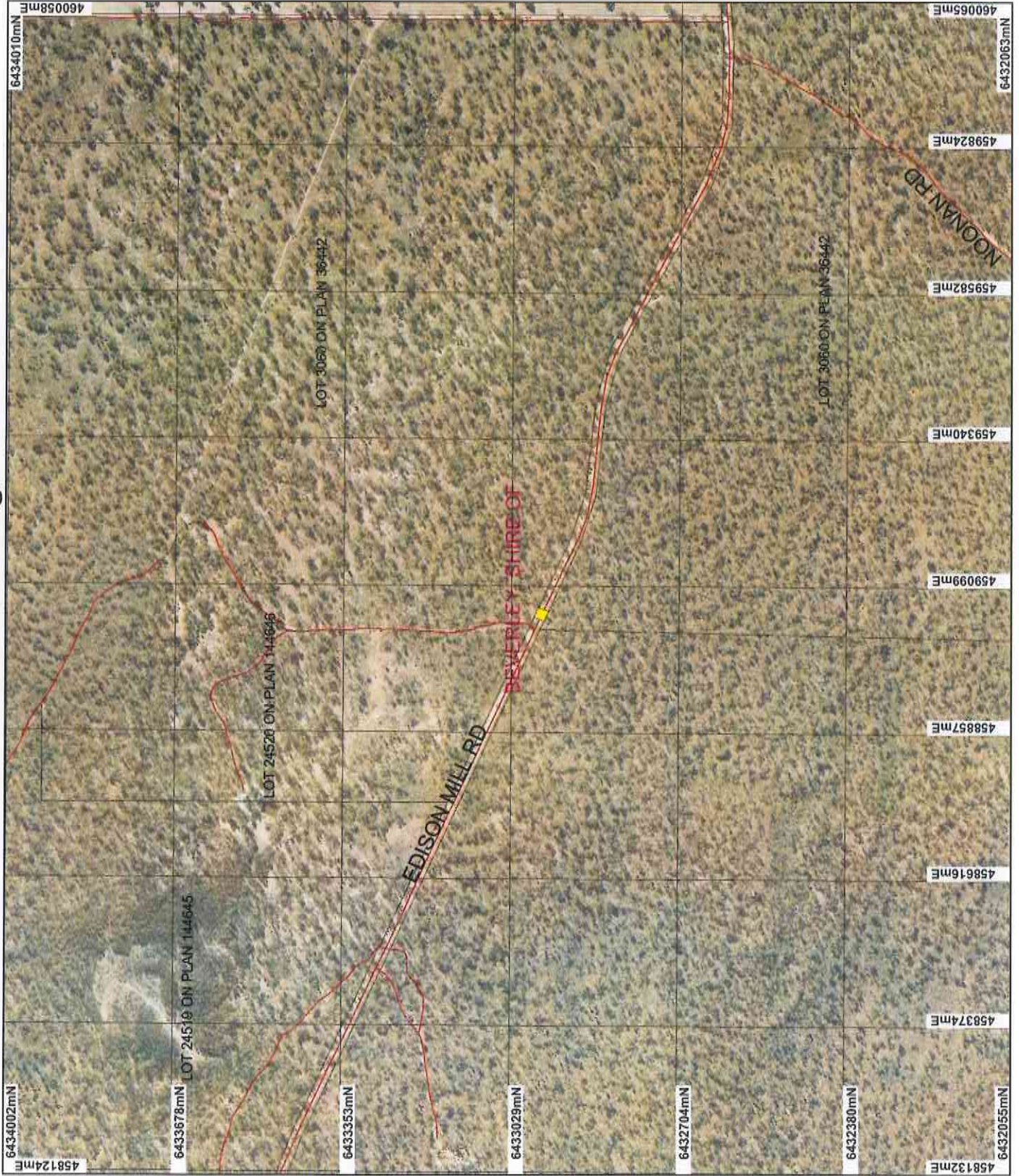
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WA Green Geograph 2008

Plan 5417/1g



LEGEND

- Field boundaries
- Local Government Authorities
- Clearing Instruments
- Areas Approved to Clear
- Beverley 50cm Orthomosaic - Landgate 2006
- Jarrahdale 50cm Orthomosaic - Landgate 2006

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



0 250m

Scale 1:3250

(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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audland Date: 2/12/13
IN Warrack

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1. Application details

1.1. Permit application details

Permit application No.: 5417/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Shire of Beverley

1.3. Property details

Property: ROAD RESERVE (FLINT 6302)
ROAD RESERVE (DALE 6304)

Local Government Area: Shire of Beverley

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.1	29	Mechanical Removal	Road construction or maintenance

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 21 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
<p>Beard vegetation association: 3: Medium forest; jarrah-marri. 968: Medium woodland; jarrah, marri & wandoo. 352: Medium woodland; York gum (Shepherd et al., 2001).</p> <p>Mattiske vegetation complex: Y5: Mixture of open forest of <i>Eucalyptus marginata</i> subsp. <i>thalassica-Corymbia calophylla</i> and woodland of <i>Eucalyptus wandoo</i> on lateritic uplands in semiarid to perarid zones. Pn: Open forest of <i>Eucalyptus marginata</i> subsp. <i>thalassica-Corymbia calophylla</i> on slopes and open woodland of <i>Eucalyptus wandoo</i> with some <i>Eucalyptus patens</i> on the lower slopes in semiarid and arid zones. Mi: Open woodland of <i>Eucalyptus wandoo</i> over <i>Acacia acuminata</i> with some <i>Eucalyptus loxophleba</i> on valley slopes, with low woodland of <i>Allocasuarina huegeliana</i> on or near shallow granite outcrops in arid and perarid zones (Mattiske and Havel 1998).</p> <p>Hedde vegetation complex: Yalanbee and Dwellingup Complex\In low Rainfall: Open forest and woodland, darling plateau - lateritic uplands. Pindalup and Yarragil Complex\In Low to Medium Rainfall: Open forest woodland, darling plateau - minor valleys Goonaping Complex: Low open woodland and forest, darling plateau - lateritic uplands. Dwellingup Yalanbee and Hester\Complex in Low to Medium rainfall - open forest, darling plateau - lateritic uplands (Hedde et al 1980).</p>	<p>The application is to clear 0.1 hectares and 29 native trees for the purpose of road widening.</p> <p>The 0.1 hectares of vegetation is in a degraded (Keighery, 1994) condition while the 29 trees fall along a road reserve in a very good (Keighery, 1994) condition.</p>	<p>Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994).</p> <p>To</p> <p>Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994).</p>	<p>The vegetation condition and description were determined from aerial photography (Beverley 50cm Orthomosaic - Landgate 2006; Perth Metropolitan South East 40cm Orthomosaic - Landgate 2005).</p>

3. Assessment of application against clearing principles

Comments

The application is to clear up to 0.1 hectare and 29 native trees for the purpose of road widening. The 0.1 hectares of vegetation falls within the York Williams Road reserve and is in a degraded (Keighery, 1994) condition, while the 29 trees fall along the Edison Mill Road reserve which is in a very good (Keighery, 1994) condition.

No rare or priority flora have been recorded within 10 kilometres of the York Williams Road reserve and as all recorded rare and priority flora within 10 kilometres of Edison Mill Road are understorey species, the clearing of 29 trees is not likely to impact on rare or priority flora.

Part of the application area falls within Beard vegetation association 352 which has 12.61 percent (Government of Western Australia, 2011) of its pre European extent remaining and Mattiske Vegetation Complex Mi which has 26.37 (Mattiske and Havel, 1998) percent remaining. As the York Williams road reserve is in a degraded condition (Keighery, 1994), Edison Mill Road reserve is surrounded by large amounts of vegetation in as good as or better condition and the clearing is limited in size, the vegetation under application is not considered significant as a remnant in a highly cleared landscape.

As Edison Mill Road runs through the A class Mundaring State Forest, the application may facilitate the spread of weed and dieback within the reserve. Weed and Dieback management practises will limit this risk.

Given the mapped vegetation type, the application is considered potential habitat for three cockatoo species listed as rare or likely to become extinct within the Wildlife Conservation (Specially Protected Fauna) Notice 2012(2) and recorded from within the local area (10 kilometre radius); *Calyptorhynchus banksii* subsp. *naso* (Forest Red-tailed Black-Cockatoo), *Calyptorhynchus baudinii* (Baudin's Cockatoo) and *Calyptorhynchus latirostris* (Carnaby's Cockatoo). As the application falls within a mapped feeding area, within 600 metres of a mapped breeding area for Carnaby's Cockatoo, and may contain trees with hollows large enough to be used for nesting by these species, the proposed clearing may contain significant habitat for these species. Fauna management conditions will help mitigate impacts to these species.

Given that no Threatened Ecological Communities (TEC) or watercourses have been identified within the application area and as the area is limited in size and spread over numerous clearing areas, it is not likely to comprise a high level of biological diversity, contain part of a (TEC), cause appreciable land degradation, deteriorate the quality of surface or underground water or exacerbate the intensity of flooding.

Given the above, the application may be at variance to principles (b) and (h) and is not likely to be at variance to the remaining clearing principles.

Methodology

References

- Keighery (1994)
- Government of Western Australia (2011)
- Mattiske and Havel (1998)

GIS databases:

- Beverley 50cm Orthomosaic Landgate 2006
- Perth Metropolitan South East 40cm Orthomosaic Landgate 2005
- Heddle Vegetation Complexes
- Mattiske Vegetation Complexes
- Pre-European vegetation
- SAC Bio datasets (Accessed 28 December 2012)
- DEC Managed Lands
- Hydrography Linear

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

Comments

The clearing of 0.1 hectares and 29 native trees within York-Williams Road reserve, Dale and Edison Mill Road reserve, Flint is for the purpose of road widening.

No submissions from the public have been received.

Methodology

4. References

Government of Western Australia (2011); 2011 Statewide Vegetation Statistics incorporating the CAR Reserve Analysis (Full Report). WA Department of Environment and Conservation, Perth.

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.

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.