GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 4111/2
Permit Holder:	Ross Maitland Love and Muchea Sands Pty Ltd
Duration of Permit:	7 March 2011 – 7 March 2016

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 construction and realignment

2. **Land on which clearing is to be done**
   Road Reserve (CHITTERING 6084) PIN 1338960
   Road Reserve (BREERA 6503) PIN 11726296
   Railway Reserve (BREERA 6503) PIN 14079
   Road Reserve (BREERA 6503) PIN 11726301

3. **Area of Clearing**
   The Permit Holder must not clear more than 1.12 hectares of native vegetation within the area shaded yellow on attached Plan 4111/2.

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. **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

6. **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.

7. **Dieback and weed control**
   (a) 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*:
      (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
      (ii) shall only move soils in *dry conditions*;
      (iii) ensure that no *dieback* or *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
      (iv) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

   (b) At least once in each 12 month period for the term of this Permit, the Permit Holder must remove or kill any *weeds* growing within areas cleared under 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;

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;

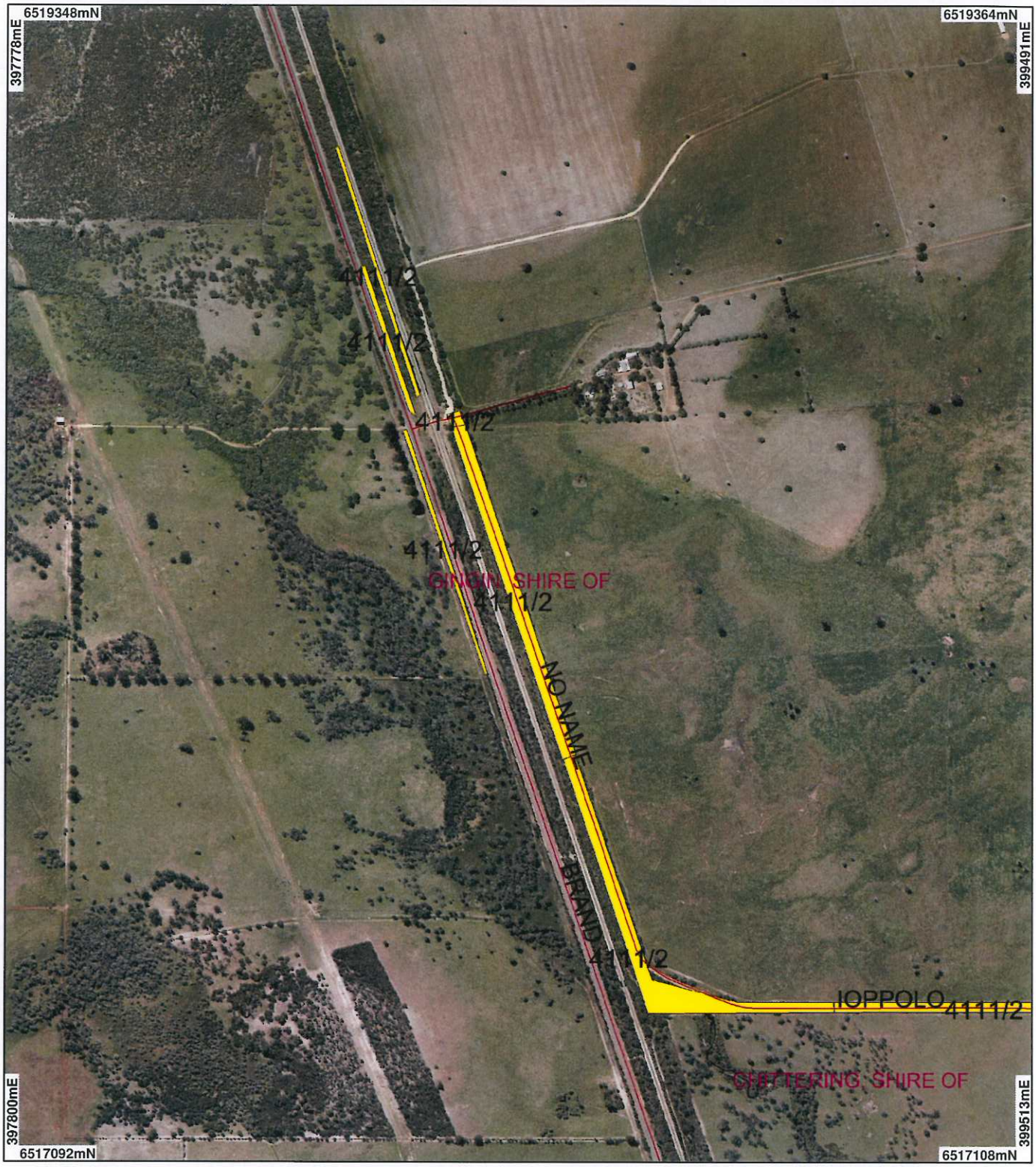
weed/s means a species listed in Appendix 3 of the "Environmental Weed Strategy" published by the Department of Conservation and Land Management (1999), and plants declared under section 37 of the *Agriculture and Related Resources Protection Act 1976*.

Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

Officer delegated under Section 20
of the Environmental Protection Act 1986

10 November 2011

Plan 4111/2a



LEGEND

Clearing Instruments

- Areas Approved to Clear
- Road Centrelines

Local Government Authorities

Gingin 50cm Orthomosaic - Landgate 2008

N

0 ~300 m

Scale 1:10000
(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 of measurement inaccuracies.

Date 10/11/11

K. Faulner

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

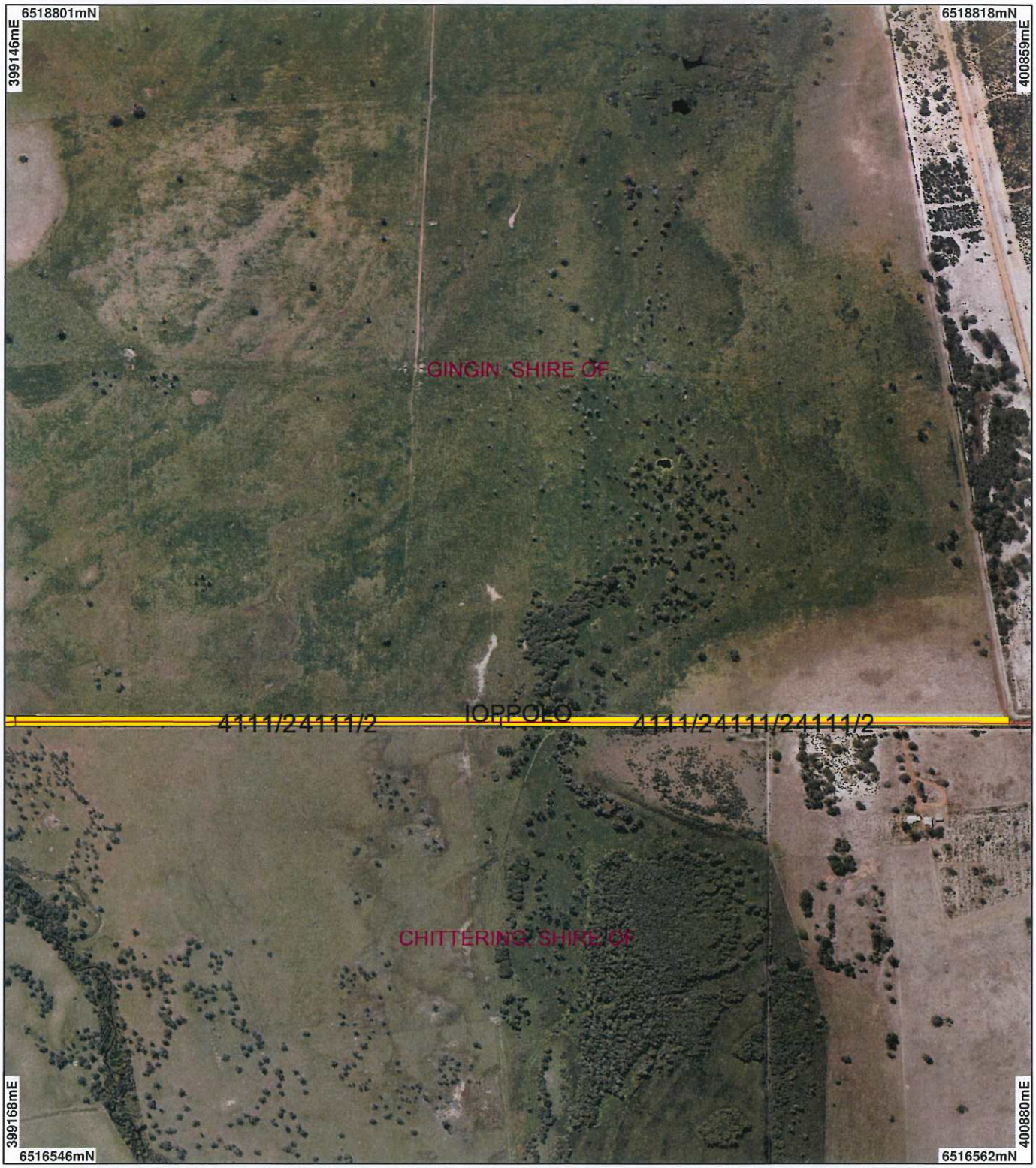
Department of Environment and Conservation

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

Plan 4111/2b



LEGEND

Clearing Instruments

Areas Approved to Clear

Road Centrelines

Local Government Authorities

Gingin 50cm Orthomosaic - Landgate 2008

N

0 ~300 m

Scale 1:10000
(Approximate when reproduced at A4)

Geocentric Datum Australia 1994

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K. Faulkner Date 10/11/11

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Department of Environment and Conservation

Clearing Permit Decision Report

1. Application details

1.1. Permit application details

Permit application No.: 4111/2

Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: **Ross Maitland Love and Muchea Sands Pty Ltd**

1.3. Property details

Property: ROAD RESERVE (CHITTERING 6084)
ROAD RESERVE (BREERA 6503)
RAILWAY RESERVE (BREERA 6503)
ROAD RESERVE (BREERA 6503)

Local Government Area: Shire of Gingin and Chittering

Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant

Decision Date: 10 November 2011

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 is mapped a being composed of the following Beard vegetation associations: - Beard 1018: Mosaic: Medium forest; jarrah-marri / Low woodland; banksia / Low forest; teatree / Low woodland; Casuarina obesa - Beard 965: Medium woodland; jarrah & marri (Shepherd, 2009)	The proposed clearing of 1.12 hectares of native vegetation is required for the purpose of reconstructing and realigning Iopolo Road, including sight lines, in order to service a sand extraction pit. The vegetation is considered to range from a degraded to good (Keighery, 1994) condition (DEC, 2011), however the majority of the vegetation is in degraded (Keighery, 1994) condition (DEC, 2011). The vegetation consists of scattered Melaleuca sp., Acacia sp., some Eucalyptus sp., and weed species are prevalent (DEC, 2011). The vegetation along the eastern portion of the road reserve contains some areas of dense, good (Keighery, 1994) condition vegetation, comprised of the above mentioned species as well as Banksia sp., Xanthorrhoea sp., Jacksonia sp. and Macrozamia (DEC, 2011).	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	The condition and description of the vegetation under application was determined via the use of aerial imagery and a DEC conducted site inspection (DEC, 2011).

3. Assessment of application against clearing principles

Comments

The permit has been amended to include an additional 0.12 hectare of native vegetation in order to improve sight distances within Brand Highway road reserve and an unnamed railway reserve. The assessment against the clearing principles have not changed, the findings from the previous assessment are still relevant and can be found in the Clearing Permit Decision Report CPS 4111/1.

Methodology

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

Comments

The permit has been amended to include an additional 0.12 hectare of native vegetation in order to improve sight distances within Brand Highway road reserve and an unnamed railway reserve. The assessment against planning instruments and other matters have not changed; the findings from the previous assessment are still relevant and can be found in the Clearing Permit Decision Report CPS 4111/1.

No public submissions have been received in relation to this application.

Methodology

4. References

DEC (2011) Site Inspection Report for Clearing Permit Application CPS 4111/1, Ioppolo Road reserve, Gingin and Breera. Site inspection undertaken 21/1/2011. Department of Environment and Conservation, Western Australia (ref: A364428).

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.

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)