



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5337/2
Permit Holder:	Robe River Mining Co Pty Ltd
Duration of Permit:	8 March 2013 – 30 September 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 bridge construction, associated infrastructure and works.

2. Land on which clearing is to be done

Lot 2 on Diagram 43218 (Roebourne 6718)
Crown Reserve 18571 (Cooya Pooya 6714 and Roebourne 6718)
North West Coastal Highway road reserve (Mount Anketell 6714) (PIN:11726701)
Unnamed Road reserve (Mount Anketell 6714) (PIN: 1361236)
Lot 3002 on Deposited Plan 44785 (Cooya Pooya 6714) (North West Coastal Highway)
Lot 3023 on Deposited Plan 44804 (Roebourne 6718) (North West Coastal Highway)
Lot 265 on Deposited Plan 220920 (Cooya Pooya 6714 and Roebourne 6718)
Unallocated Crown Land (Roebourne 6718) (Closed road PIN 693356)

3. Area of Clearing

The Permit Holder must not clear more than 20 hectares of native vegetation within the area hatched yellow on attached Plan 5337/2.

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. Type of clearing authorised

This Permit authorises the Permit Holder to clear native vegetation for activities to the extent that the Permit Holder has the right to access land under the *Land Administration Act 1997* 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. 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*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no *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.

9. Vegetation management

- (a) Where practicable the Permit Holder shall avoid clearing riparian vegetation.
- (b) Where a watercourse is to be impacted by clearing, the Permit Holder shall maintain the existing surface flow by use of culverts.

DEFINITIONS

The following meanings are given to terms used in this Permit:

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;

riparian vegetation has the meaning given to it in Regulation 3 of the Environmental Protection (Clearing of Native Vegetation) Regulations 2004;

watercourse has the meaning given to it in section 3 of the *Rights in Water and Irrigation Act 1914*;

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 the Department of Environment and Conservation Regional Weed Assessments, regardless of ranking; or
- (c) not indigenous to the area concerned.

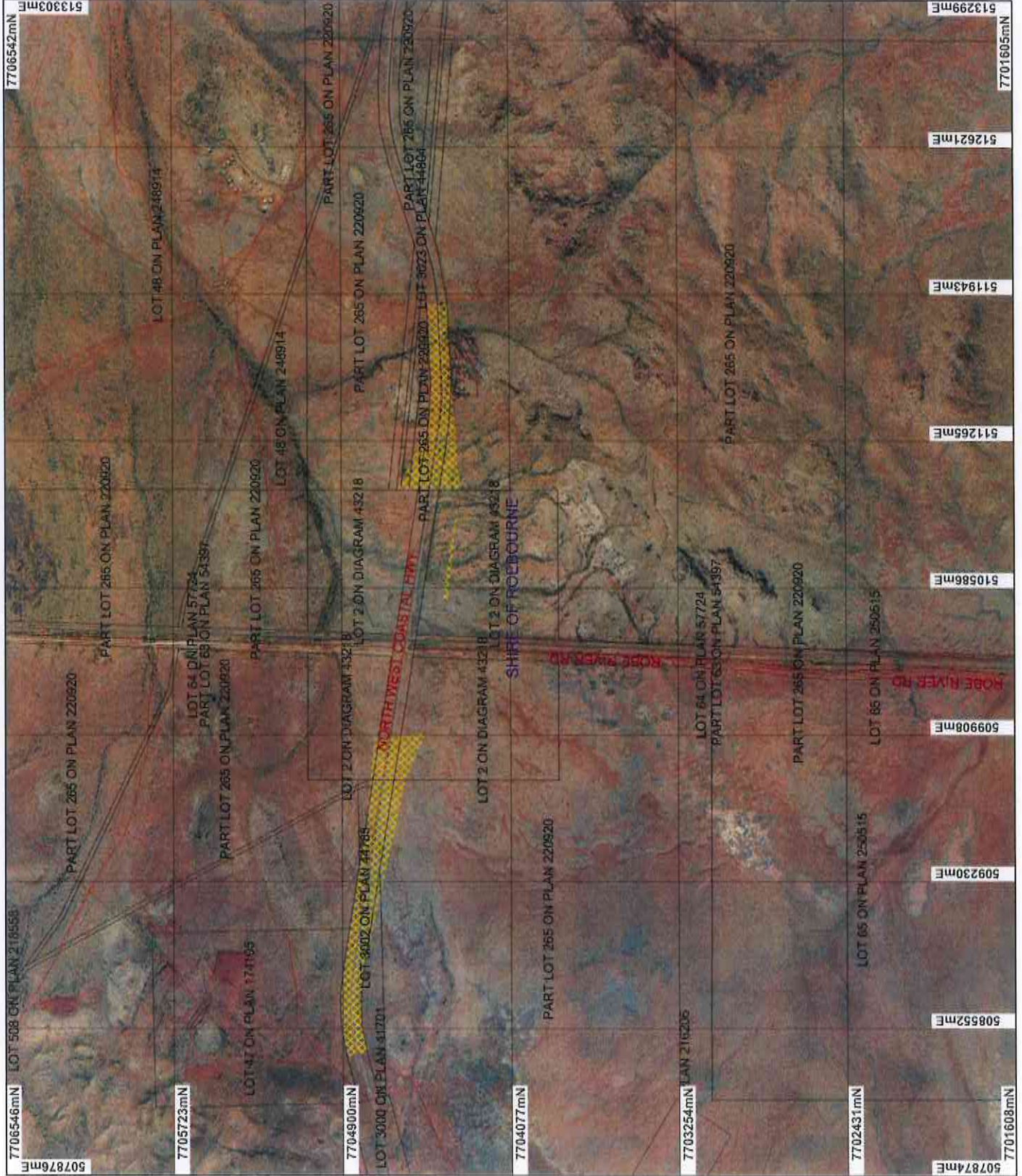


M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

20 June 2013

Plan 5337/2



LEGEND

- Clearing Instruments Areas Approved to Clear
- Local Government Authorities
- Road Centralines
- Cadastre for labelling
- Roebourne 50cm Orthomosaic - Lanégate 2007

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



0 720 m

Scale 1:25000

(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 20/6/13

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.



Department of Environment and Conservation

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1. Application details

1.1. Permit application details

Permit application No.: 5337/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Robe River Mining Co Pty Ltd

1.3. Property details

Property:
 LOT 2 ON DIAGRAM 43218 (ROEBOURNE 6718)
 CROWN RESERVE 18571 (MOUNT ANKETELL 6714)
 ROAD RESERVE (MOUNT ANKETELL 6714)
 LOT 2 ON DIAGRAM 43218 (ROEBOURNE 6718)
 PART LOT 265 ON PLAN 220920 (COOYA POOYA 6714)
 CROWN RESERVE 18571 (COOYA POOYA 6714)
 LOT 3002 ON PLAN 44785 (COOYA POOYA 6714)
 ROAD RESERVE (ROEBOURNE 6718)
 LOT 3023 ON PLAN 44804 (ROEBOURNE 6718)
 PART LOT 265 ON PLAN 220920 (ROEBOURNE 6718)
 CROWN RESERVE 18571 (ROEBOURNE 6718)
 PART LOT 265 ON PLAN 220920 (ROEBOURNE 6718)
 LOT 2 ON DIAGRAM 43218 (ROEBOURNE 6718)
 CLOSED ROAD (ROEBOURNE 6718)
 Shire of Roebourne

Local Government Area:

Colloquial name:

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
20		Mechanical Removal	Building or Structure

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 20 June 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
Mapped Beard vegetation association 157 is described as Hummock grasslands, grass steppe; hard spinifex <i>Triodia wiseana</i> (Shepherd et al 2001).	The amended application proposes to clear up to 20 hectares (within a larger footprint of 32.6 hectares) of native vegetation for the purpose of bridge construction, associated infrastructure and works.	Degraded: Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994).	The condition of the native vegetation under application was determined by digital imagery (Roebourne 50cm Orthomosaic - Landgate 2007) and supporting information provided by Rio Tinto (2012).
	The study area is comprised of four vegetation types:	To	
	DL-ChAtTw - Minor drainage line supporting <i>Corymbia hamersleyana</i> low open woodland over <i>Acacia trachycarpa</i> , <i>Acacia tenuissima</i> and <i>Acacia ancistrocarpa</i> shrubland over <i>Triodia wiseana</i> very open hummock grassland and <i>*Cenchrus ciliaris</i> open tussock grassland (Rio Tinto 2012);	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994).	
	P1-EbCf - Plain with cracking clays supporting <i>Eriachne benthamii</i> and <i>Chrysopogon fallax</i> closed tussock grassland (Rio Tinto 2012);		
	P2-AaTwAc - Gentle rise on plain supporting <i>Acacia ancistrocarpa</i> , <i>Acacia synchronicia</i> and <i>Acacia pyrifolia</i> var. <i>pyrifolia</i> open shrubland over <i>Triodia wiseana</i> and <i>Triodia pungens</i> open hummock grassland over <i>Aristida contorta</i> scattered grasses (Rio Tinto 2012); and		

P3-AtTe - Plain supporting *Acacia tumida* var. *pilbarensis*, *Acacia pyrifolia* var. *pyrifolia* and *Acacia ancistrocarpa* shrubland over *Triodia epactia* hummock grassland (Rio Tinto 2012).

3. Assessment of application against clearing principles

Comments **Proposal is not likely to be at variance to this Principle**

The application proposes to increase the area of clearing from 10 hectares to 20 hectares within various properties in Roebourne, Cooya Pooya and Mount Anketell for the purpose of bridge construction, associated infrastructure and works.

The assessment against the clearing principles has not changed. The findings from the previous assessment are still relevant and can be found in the Clearing Permit Decision Report CPS 5337/1.

Methodology

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

Comments

The application proposes to increase the area of clearing from 10 hectares to 20 hectares within various properties in Roebourne, Cooya Pooya and Mount Anketell for the purpose of bridge construction, associated infrastructure and works.

The assessment against planning instruments and other matters has not changed. The findings from the previous assessment are still relevant and can be found in the Clearing Permit Decision Report CPS 5337/1.

No submissions from the public have been received.

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.
- Rio Tinto (2012) Statement Addressing the 10 Clearing Principles - North West Coastal Highway Separated Road Over Rail Bridge. Western Australia. (DEC Ref: A560171).
- 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)