



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 3518/4
Permit Holder:	Karara Mining Limited
Duration of Permit:	20 June 2010 – 20 June 2015

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 constructing a rail line.

2. Land on which clearing is to be done

LOT 4278 ON PLAN 238238 (ROTHSAY 6620)
LOT 12726 ON PLAN 37543 (ROTHSAY 6620)
LOT 12727 ON PLAN 37543 (ROTHSAY 6620)
LOT 4425 ON PLAN 37690 (ROTHSAY 6620)
LOT 4330 ON PLAN 215156 (ROTHSAY 6620)
UNALLOCATED CROWN LAND (ROTHSAY, 6620)
UNNAMED ROAD RESERVE (KOOLANOOKA, 6623)
TIMBER RESERVE 210 (KOOLANOOKA, 6623)

3. Area of Clearing

The Permit Holder shall not clear more than 289.2 hectares of native vegetation within the combined areas cross-hatched yellow on attached Plan 3518/4a, Plan 3518/4b, Plan 3518/4c.

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 power to clear native vegetation for those activities 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

(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*:

- (i) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (ii) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (iii) 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.

9. Wind erosion management

The Permit Holder shall not clear native vegetation unless construction of the railway begins within 2 weeks of the clearing being undertaken.

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 in relation to the clearing of native vegetation authorised under this Permit:

- (a) the species composition, structure and density of the cleared area;
- (b) 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;
- (c) the date that the area was cleared; and
- (d) the size of the area cleared (in hectares).

11. Reporting

(a) The Permit Holder must provide to the CEO, on or before 30 June of each year, a written report of records required under condition 10 of this Permit and activities done by the Permit Holder under this Permit between 1 January and 31 December of the preceding year.

(b) Prior to 20 March 2015, 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:

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;

term means the duration of this Permit, including as amended or renewed;

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*.

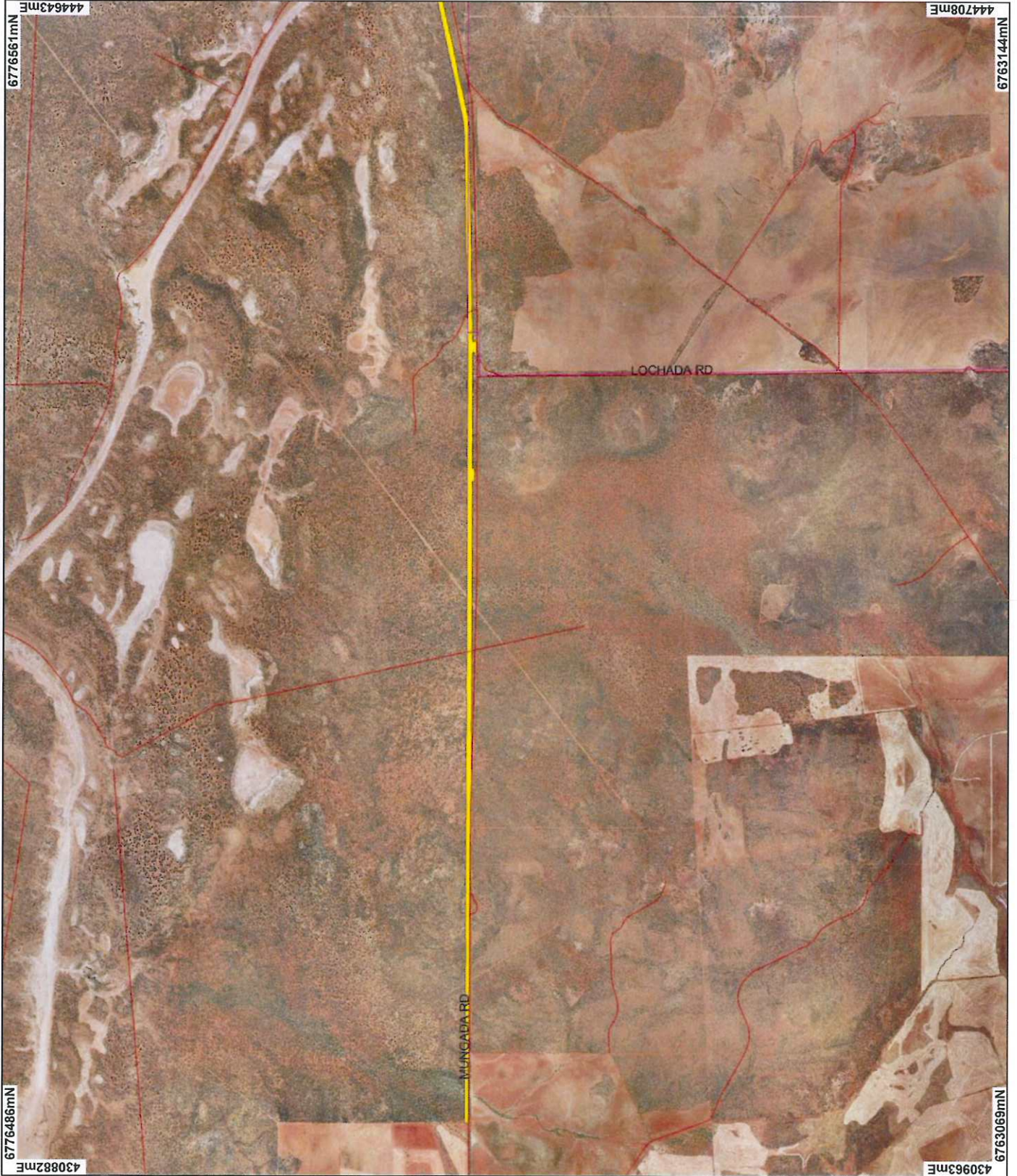


Kelly Faulkner
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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






24 November 2011

Plan 3518/4a



LEGEND

Clearing Instruments

-  Areas Approved to Clear
-  Road Centrelines
-  Local Government Authorities
-  Perenjori 50cm Orthomosaic - Landgate 2005
-  Rothsay 50cm Orthomosaic - Landgate 2006

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



0 1.5 km

Scale 1:65488

(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: 24/11/11

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.



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Plan 3518/4b



LEGEND

Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Local Government Authorities
- Perenjori 50cm Orthomosaic - Landgate 2005
- Rothsay 50cm Orthomosaic - Landgate 2006

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



Scale 1:65473
 (Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: This data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

[Signature] Date 26/10/11

K. Faulkner

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

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Plan 3518/4C



LEGEND

- Red line: Road Centrelines
- Black line: Clearing Instruments
- White box: Areas Approved to Clear
- Yellow box: Rothsay 50cm Orthomosaic - Landgate 2006



0 1.5 km

Scale 1:60726

(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.

K. Faulkner Date: 24/10/11

K. Faulkner

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



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1. Application details

1.1. Permit application details

Permit application No.: 3518/4
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Karara Mining Limited

1.3. Property details

Property: LOT 4278 ON PLAN 238238 (ROTHSAY 6620)
TIMBER RESERVE 2 10 (KOOLANOOKA 6623)
LOT 12727 ON PLAN 37543 (ROTHSAY 6620)
LOT 12726 ON PLAN 37543 (ROTHSAY 6620)
LOT 4278 ON PLAN 238238 (ROTHSAY 6620)
LOT 12726 ON PLAN 37543 (ROTHSAY 6620)
UNALLOCATED CROWN LAND (ROTHSAY 6620)
LOT 4330 ON PLAN 215156 (ROTHSAY 6620)
ROAD RESERVE (KOOLANOOKA 6623)
LOT 4425 ON PLAN 37690 (ROTHSAY 6620)

Local Government Area: Shire of Perenjori and Shire of Morawa
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 24 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
Beard Vegetation Associations (Shepherd, 2009)	The amended proposal is to clear 289.2 hectares of native vegetation for the construction of a railway.	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)	The vegetation condition was determined through aerial photography and a Flora and Fauna survey (Karara Mining, 2009).
352: Medium woodland; York gum;	The area under application includes areas for which the current land use is agricultural paddocks. These areas are considered to be in a completely degraded (Keighery, 1994) condition.	to Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	
358: Shrublands; bowgada & Acacia quadrimarginea on stony ridges;	Some vegetation under application has been subject to severe disturbance (Karara Mining, 2009), these areas are considered to be in degraded (Keighery, 1994) condition.		
364: Shrublands; bowgada scrub with scattered eucalypts & cypress pine;			
374: Shrublands; bowgada scrub with scattered York gum;			
419: Shrublands; bowgada, jam and Melaleuca uncinata thicket;	The eastern portion of the railway is predominantly in very good (Keighery, 1994) condition, while the western portion is predominantly in degraded to good (Keighery, 1994) condition (Karara Mining, 2009).		
420: Shrublands; bowgada & jam scrub; and			
631: Succulent steppe with woodland and thicket; York gum over Melaleuca thyooides & samphire.	Condition reports undertaken by the Department of Agriculture show the same area to be largely of Vegetation condition rating 1 Very Good (Cover and composition of shrubs, perennial herbs and grasses is		

Surveys of the railway corridor identified 39 plant communities, 5 degraded communities and 6 disturbance communities (Karara Mining, 2009)

near optimal Free of obvious reductions in palatable species.) to 2 Good (Perennials present include all or most of the palatable species expected. Cover not very different from optimal. Very occasional areas of condition 3 Fair (Moderate loss of palatable perennials and / or increase in unpalatable shrubs or grasses) were noted (Payne et al., 1998).

3. Assessment of application against clearing principles

Comments

The proponent has applied to increase the amount of clearing by 0.2 ha. The total amount of clearing is 289.2 hectares.

A review of current environmental information reveals no new additional information. Therefore, the assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 3518/1.

Methodology

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

Comments

Karara Mining have obtained a Licence to take fauna from the Species and Communities Branch of the Department of Environment and Conservation for the greater Karara mining proposal however do not have a licence to take fauna within the proposed railway corridor.

Approval has been received from the Department of Environment, Water, Heritage and the Arts for the Karara to Tilley Rail Project (A302335).

Land access approvals received from Department of Regional Development and Lands and Public Transport Authority (A304632).

In a media statement Premier Barnett promoted the establishment of the greater Karara Mining project (DOC117509).

The greater Karara Mining project has been formally assessed by the EPA under Bulletin Report 1321 (DOC117508).

Department of Environment and Conservation (DEC) has previously approved an offset proposal for the Greater Karara Iron Ore Project (CEOD5799).

There is one registered Aboriginal Site of Significance within the application area (Karara Mining, 2009). It is the proponent's responsibility to comply with the Aboriginal Heritage Act 1972 and ensure that no Aboriginal Sites of Significance are damaged throughout the clearing process.

Methodology

References:
Karara Mining (2009)

GIS Database
Aboriginal Sites of Significance
Native Title Claims

4. References

Karara Mining (2009) Native Vegetation Clearing Permit Application: Railways corridor. Unpublished report by Karara Mining Ltd, October 2009. Trim Ref DOC113307.

Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.

Payne, A.L., Van Vreeswyk, A.M.E., Pringle, H.J.R., Leighton, K.A., and Hennig, P. (1998) An inventory and condition survey of the Sandstone-Yalgoo-Paynes Find area, Western Australia. Department of Agriculture, 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)