



GOVERNMENT OF
WESTERN AUSTRALIA

CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

PERMIT DETAILS

Purpose Permit Number: 4466/1

File Number: 2011/006052-1

Duration of Permit: 29 August 2011 to 29 August 2013

PERMIT HOLDER

Robe River Mining Co. Pty. Ltd.

LAND ON WHICH CLEARING IS TO BE DONE

LOT 3000 ON PLAN 50859 (NEWMAN 6753)

LOT 185 ON PLAN 219302 (NEWMAN 6753)

PURPOSE FOR WHICH THE CLEARING MAY BE DONE

Clearing for the purpose of upgrading the Great Northern Highway and West Angelas Access Road intersection.

CONDITIONS

1. The Permit Holder must not clear more than 0.5 hectares of native vegetation within the area cross hatched yellow on attached Plan 4466/1.

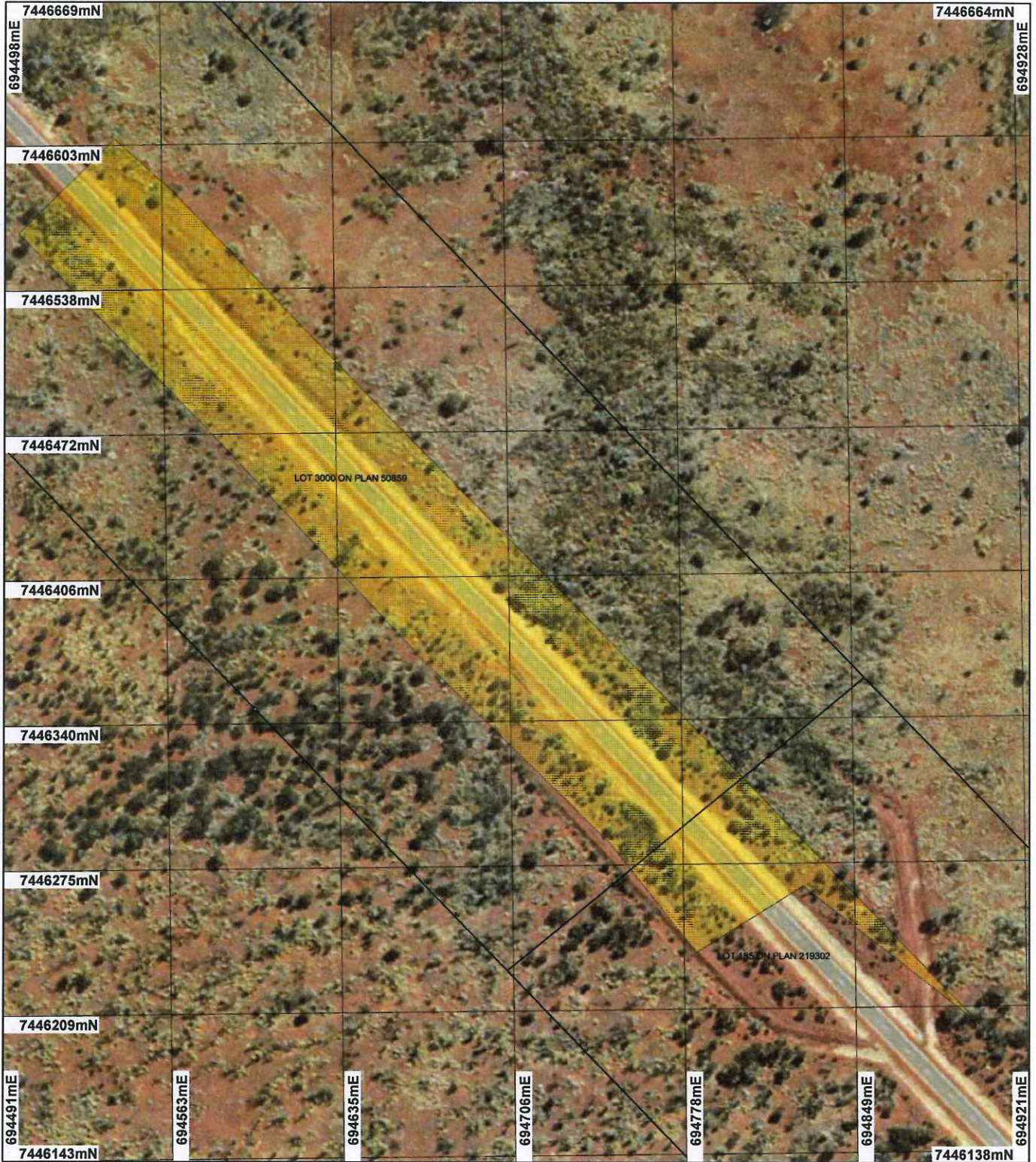
A handwritten signature in black ink, appearing to read 'Warnock', written over a horizontal line.

Matt Warnock
A/ MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

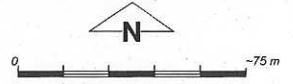
4 August 2011

Plan 4466/1



LEGEND

Survey Instruments
 Governor 50cm
 Orthomosaic - Landgate
 2004



Scale 1:2500
 (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 4/8/11

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

Our environment, our future
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* Project Data. This data has not been quality assured. Please contact map author for details.



1. Application details

1.1. Permit application details

Permit application No.: 4466/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Robe River Mining Co Pty Ltd

1.3. Property details

Property: LOT 3000 ON PLAN 50859 (NEWMAN 6753)
LOT 185 ON PLAN 219302 (NEWMAN 6753)
Local Government Area: Shire of East Pilbara
Colloquial name: Great Northern Highway road reserve

1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.5		Mechanical Removal	Mineral Production

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 4 August 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 area under application is mapped as J.S. Beard (1980) vegetation type 18: Mulga (<i>Acacia aneura</i>) woodland; about 100% pre-European extent remaining in the Pilbara bioregion in 2009.	Clearing description: The proposed clearing impacts approximately 0.5 hectares of native vegetation.	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	Vegetation condition determined from aerial photography.

3. Assessment of application against clearing principles

Comments

This application is for the proposed clearing of approximately 0.5 hectares of native vegetation along the Great Northern Highway northwest of Newman for the purpose of upgrading an intersection.

The native vegetation type found within the area under application is well represented elsewhere in the local and regional area, and no significant loss of habitat for fauna indigenous to Western Australia is expected.

Assessment determined that given that the application area is located alongside a major transport corridor, the small scale of the proposed clearing is not likely to significantly impact any biodiversity, habitat or environmental values or cause appreciable land degradation within the local or regional context. Therefore, the proposed clearing is not likely to be at variance to any of the clearing principles.

Methodology

- References
- Keighery 1994
 - Northcote 1960-68
 - DEC 2007-
 - DEC 2009
 - Western Australian Herbarium 1998-
 - GIS datasets
 - Interim Biogeographic Regionalisation of Australia
 - Pre-European Vegetation
 - Hydrography, linear (hierarchy) - DoW 2006
 - Hydrographic Catchments - Subcatchments
 - Public Drinking Water Source Areas - DOW 2006
 - Country Area Water Supply Act (Part IIA) - DOW 2006
 - Soils, Statewide
 - DEC Managed Lands and Waters

- SAC biodatasets (accessed 18/07/2011)

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

Comments

No submissions were received for this application.

This application is related to a proposal assessed by the Office of the Environmental Protection Authority and approved for implementation in Ministerial Statement No. 514 "West Angelas Iron Ore Project Shires of East Pilbara, Ashburton and Roebourne".

The area under application is located within the Pilbara surfacewater and groundwater areas described under Rights in Water and Irrigation Act 1914. The applicant should ensure compliance with any Department of Water requirements.

The area under application is located within 1 kilometre of Aboriginal Sites of Significance. The applicant should ensure compliance with any obligations under the Aboriginal Heritage Act 1972.

Methodology

References

- DEC 2007
- GIS databases:
 - Aboriginal Sites of Significance
 - Hydrographic Catchments - Subcatchments
 - RIWI Act, Rivers - DOW 1999
 - RIWI Act, Surface Water Areas - DOW 2002
 - RIWI Act, Groundwater Areas - DOW 1998

4. References

- DEC (2007-) NatureMap: Mapping Western Australia's Biodiversity. Department of Environment and Conservation. URL: <http://naturemap.dec.wa.gov.au/>. Accessed 18/07/2011)
- DEC (2009) CAR Reserve Analysis spreadsheet. 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.
- Department of Agriculture (2002). Soil Groups of Western Australia. A simple guide to the main soils of Western Australia. Resource Management Technical Report 246. Edition 3
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.
- 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.
- Western Australian Herbarium (1998-) FloraBase - The Western Australian Flora. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> (Accessed 18/07/2011).

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)