



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 5005/2
Permit Holder:	Roy Hill Infrastructure Pty Ltd
Duration of Permit:	27 July 2012 – 27 July 2022

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 public road and access track.

2. Land on which clearing is to be done

Lot 87 on Deposited Plan 30401 (Newman)

3. Area of Clearing

The Permit Holder must not clear more than 10.62 hectares of native vegetation within the area cross hatched yellow on attached Plan 5005/2.

4. Period in which clearing is authorised

The Permit Holder shall not clear any native vegetation after 27 July 2017.

5. 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.

6. 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.

PART II – MANAGEMENT CONDITIONS

7. Retain vegetative material and topsoil, revegetation and rehabilitation

The Permit Holder shall:

(a) Retain the vegetative material and topsoil removed by clearing authorised under this Permit and stockpile the vegetative material and topsoil in an area that has already been cleared.

(b) Within 12 months following completion of activities under this permit, *revegetate* and *rehabilitate* the areas that are no longer required for the purpose for which they were cleared under this Permit by:

- (i) ripping the ground on the contour to remove soil compaction; and
 - (ii) laying the vegetative material and topsoil retained under condition 7(a) on the cleared area(s).
- (c) Within 18 months of laying the vegetative material and topsoil on the cleared area in accordance with condition 7(b) of this Permit:
- (i) engage an *environmental specialist* to determine the species composition, structure and density of the area *revegetated* and *rehabilitated*; and
 - (ii) where, in the opinion of an *environmental specialist*, the composition structure and density determined under condition 7(c)(i) of this Permit will not result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, *revegetate* the area by deliberately *planting* and/or *direct seeding* native vegetation that will result in a similar species composition, structure and density of native vegetation to pre-clearing vegetation types in that area and ensuring only *local provenance* seeds and propagating material are used.
- (d) Where additional *planting* or *direct seeding* of native vegetation is undertaken in accordance with condition 7(c)(ii) of this permit, the Permit Holder shall repeat condition 7(c)(i) and 7(c)(ii) within 24 months of undertaking the additional *planting* or *direct seeding* of native vegetation.
- (e) Where a determination by an *environmental specialist* that the composition, structure and density within areas *revegetated* and *rehabilitated* will result in a similar species composition, structure and density to that of pre-clearing vegetation types in that area, as determined in condition 7(c)(i) and (ii) of this permit, that determination shall be submitted for the CEO's consideration. If the CEO does not agree with the determination made under condition 7(c)(ii), the CEO may require the Permit Holder to undertake additional *planting* and *direct seeding* in accordance with the requirements under condition 7(c)(ii).

PART III - RECORD KEEPING AND REPORTING

8. Records must be kept

The Permit Holder must maintain the following records:

- (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 the *revegetation* and *rehabilitation* of areas pursuant to condition 7 of this Permit:
 - (i) the location of any areas *revegetated* and *rehabilitated*, 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) a description of the *revegetation* and *rehabilitation* activities undertaken;
 - (iii) the size of the area *revegetated* and *rehabilitated* (in hectares);
 - (iv) the species composition, structure and density of *revegetation* and *rehabilitation*, and
 - (v) a copy of the environmental specialist's report.

9. Reporting

- (a) The Permit Holder must provide to the CEO on or before 31 July of each year, a written report:
 - (i) of records required under condition 8 of this Permit; and
 - (ii) concerning activities done by the Permit Holder under this Permit between 1 July to 30 June of the preceding financial year.

- (b) If no clearing authorised under this Permit was undertaken between 1 July to 30 June of the preceding financial, a written report confirming that no clearing under this permit has been carried out, must be provided to the CEO on or before 31 July of each year.
- (c) Prior to 27 April 2022, the Permit Holder must provide to the CEO a written report of records required under condition 8 of this Permit where these records have not already been provided under condition 9(a) of this Permit.

DEFINITIONS

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

direct seeding means a method of re-establishing vegetation through the establishment of a seed bed and the introduction of seeds of the desired plant species;

environmental specialist: means a person who holds a tertiary qualification in environmental science or equivalent, and has experience relevant to the type of environmental advice that an environmental specialist is required to provide under this Permit, or who is approved by the CEO as a suitable environmental specialist.


local provenance means native vegetation seeds and propagating material from natural sources within 150 kilometres and the same Interim Biogeographic Regionalisation for Australia (IBRA) subregion of the area cleared;

planting means the re-establishment of vegetation by creating favourable soil conditions and planting seedlings of the desired species;

regenerate/ed/ion means re-establishment of vegetation from in situ seed banks and propagating material (such as lignotubers, bulbs, rhizomes) contained either within the topsoil or seed-bearing mulch;

rehabilitate/ed/ion means actively managing an area containing native vegetation in order to improve the ecological function of that area; and

revegetate/ed/ion means the re-establishment of a cover of *local provenance* native vegetation in an area using methods such as *regeneration*, *direct seeding* and/or *planting*, so that the species composition, structure and density is similar to pre-clearing vegetation types in that area.

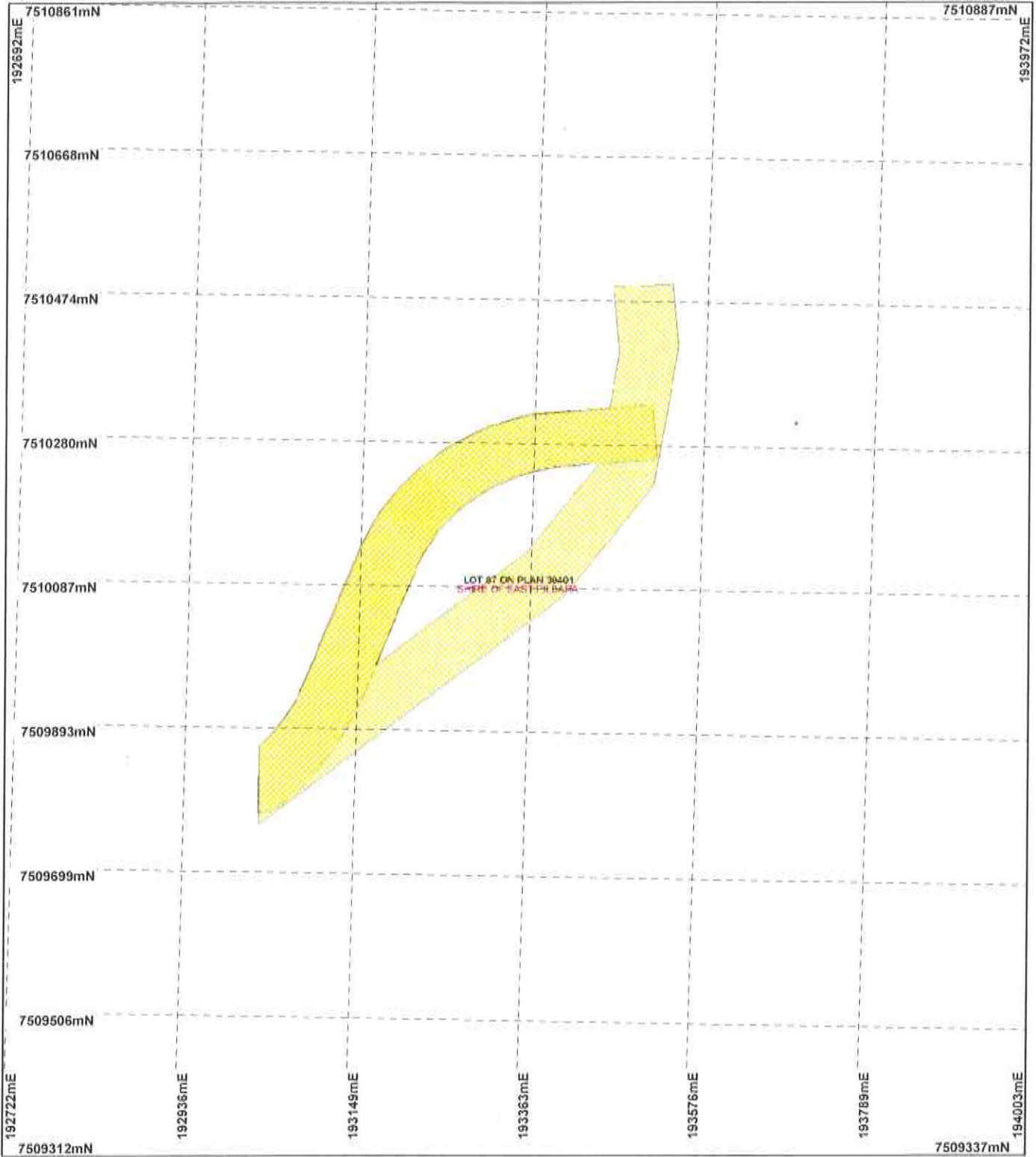


M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

3 October 2013

Plan 5005/2



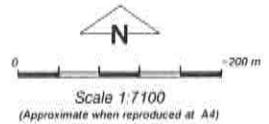
LEGEND

Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Local Government Authorities

Cadastre for labelling

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Geocentric Datum Australia 1994

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

Amelia Date 3/10/13
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.



Government of Western Australia
Department of Environment Regulation

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Clearing Permit Decision Report

1. Application details

1.1. Permit application details

Permit application No.: 5005/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: Roy Hill Infrastructure Pty Ltd

1.3. Property details

Property: LOT 87 ON PLAN 30401 (NEWMAN 6753)
Local Government Area: Shire of East Pilbara
Colloquial name:

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 3 October 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
Shire of Beard Vegetation Association 173: Hummock grasslands, shrub steppe; kanji over soft spinifex and T. wiseana on basalt (Shepherd et al, 2001).	The application to amend is to clear 5.03 hectares of native vegetation to accommodate a realignment of the Marble Bar Road (a public road) related to the Roy Hill Iron Ore accommodation village. This clearing is in addition to the 5.59 hectares previously granted under Clearing Permit CPS 5005/1 for the construction of a temporary access track also within Lot 87 on Plan 30401 (Newman).	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994) Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The vegetation under application consists of low trees to sparse mixed height shrubs over <i>Triodia longiceps</i> hummock grasslands on colluvial deposits and trees over sparse to open mid to low shrubland over <i>Triodia wiseana</i> hummock grasslands (Ecologica, 2009). The vegetation under application is considered to be in a good to excellent (Keighery, 1994) condition. The condition of the vegetation under application was obtained from a flora survey undertaken from Ecologica (2009).

3. Assessment of application against clearing principles

Comments

The application to amend is to clear 5.03 hectares of native vegetation to accommodate a realignment of the Marble Bar Road (a public road) related to the Roy Hill Iron Ore accommodation village. This clearing is adjacent to the 5.59 hectares approved to be cleared under Clearing Permit CPS 5005/1 for the construction of a temporary access track also within Lot 87 on Plan 30401 (RHIO, 2013).

The assessment against the clearing principles has not changed and can be found in the Clearing Permit Decision Report CPS 5005/1.

Methodology References
- Ecologica (2009)

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

Comments

The access track will only be used during the realignment works and will be rehabilitated in accordance with the Roy Hill Project Contractor Environmental Guidelines and Compliance Requirements and Roy Hill Project Contractor Land Rehabilitation Guidelines upon the completion of the project (RHIO, 2012 and 2013).

In December 2010 the applicant received approval under s45C of the Environmental Protection Act 1986 (EP Act) for the realignment of Marble Bar Road under Ministerial Statement (MS) 824. In February 2012 approval was granted under s45C of the EP Act for changes to the mining schedule to allow mining within stage 1 and 2 mining areas simultaneously and to amend the location of the infrastructure from the original environmental approval, however this did not include any additional changes to the Marble Bar Road realignment (RHIO, 2012).

Department of Lands has granted approval to Roy Hill Infrastructure Pty Ltd to undertake the additional clearing and road construction (RHIO, 2013).

Methodology

References

- RHIO (2012 and 2013)

4. References

- Ecologica (2009). Roy Hill 1 Infrastructure Flora Assessment. Additional Information received for Clearing Permit Application CPS 5005/1 - Roy Hill Infrastructure Pty Ltd (DEC Ref: A519730).
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- RHIO (2012) Roy Hill Infrastructure Pty Ltd. Additional Information within Clearing Permit Application CPS 5005/1 (DEC Ref:A493300).
- RHIO (2013) Roy Hill Infrastructure Pty Ltd, application to amend clearing permit and supporting documentation (DER Ref: A658344 and A666015).
- 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)