



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose permit number:	CPS 2814/2
Permit holder:	BHP Billiton Iron Ore Pty Ltd
Duration of permit:	6 March 2009 – 6 March 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 construction and maintenance of water and power infrastructure and associated activities.

2. Land on which clearing is to be done

LOT 2356 ON PLAN 216724 (NEWMAN 6753)
LOT 42 ON PLAN 217099 (NEWMAN 6753)
LOT 19 ON PLAN 48921 (NEWMAN 6753)
LOT 17 ON PLAN 241430 (NEWMAN 6753)
LOT 200 ON PLAN 218369 (NEWMAN 6753)
LOT 205 ON PLAN 216723 (NEWMAN 6753)
YATES ROAD RESERVE (PIN 11502252 NEWMAN 6753)
LOT 2357 ON PLAN 216724 (NEWMAN 6753)
LOT 1643 ON PLAN 215886 (NEWMAN 6753)
LOT 2347 ON PLAN 218627 (Lot No. 2347 GUN CLUB NEWMAN 6753)
LOT 139 ON PLAN 218627 (Lot No. 2347 GUN CLUB NEWMAN 6753)
LOT 351 ON PLAN 74327 (NEWMAN 6753)
LOT 300 ON PLAN 44340 (NEWMAN 6753)
LOT 571 ON PLAN 71045 (NEWMAN 6753)

3. Area of Clearing

The permit holder must not clear more than 75 hectares of native vegetation within the area hatched yellow on attached Plan 2814/2.

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.

PART II – ASSESSMENT SEQUENCE AND MANAGEMENT PROCEDURES

5. Avoid, minimise etc clearing

In determining the amount of native vegetation to be cleared pursuant to 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.



M Warnock
MANAGER
NATIVE VEGETATION CONSERVATION BRANCH

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

27 February 2014

Plan 2814/2



LEGEND

- Clearing Instrument
- Areas Approved to Clear
- Local Government
- Road Centrelines
- Cadastral
- Newman 1.4m Ortho 2003

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



0 2.5 km

Scale 1:93000
(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.

revised Date 22/2/14

N. Varnock

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

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



Government of Western Australia
Department of Environment Regulation

WA: Data Copyright 2002

Clearing Permit Decision Report

1. Application details

1.1. Permit application details

Permit application No.: 2814/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: BHP Billiton Iron Ore Pty Ltd

1.3. Property details

Property:
LOT 2356 ON PLAN 216724 (NEWMAN 6753)
LOT 42 ON PLAN 217099 (NEWMAN 6753)
LOT 200 ON PLAN 218369 (NEWMAN 6753)
LOT 205 ON PLAN 216723 (NEWMAN 6753)
ROAD RESERVE (NEWMAN 6753)
LOT 2357 ON PLAN 216724 (NEWMAN 6753)
LOT 2347 ON PLAN 218627 (Lot No. 2347 GUN CLUB NEWMAN 6753)
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LOT 351 ON PLAN 74327 (NEWMAN 6753)
LOT 571 ON PLAN 71045 (NEWMAN 6753)
LOT 300 ON PLAN 44340 (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:
75		Mechanical Removal	Mineral Production

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 27 February 2014

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 of the application area is broadly mapped as Beard vegetation associations: - 18: low woodland; mulga (Acacia aneura); - 29: Sparse low woodland; mulga, discontinuous in scattered groups; and - 82: Hummock grasslands, low tree steppe; snappy gum over Triodia wiseana (GIS Database).	The proposal is for clearing 75 hectares for the purpose of construction and maintenance of water and power infrastructure and associated activities within various properties and Yates Road reserve, Newman in the Shire of East Pilbara.	Very Good: Vegetation structure altered; obvious signs of disturbance (Keighery 1994)	BHP Billiton Iron Ore Pty Ltd have applied to clear up to 75 hectares of native vegetation within a total application area of approximately 595 hectares, to upgrade the existing Newman water supply system to provide an increased water supply to the Newman Hub project at the Mt Whaleback minesite. The proposed clearing is for the purposes of construction and maintenance of a new water supply pipeline, replacement of some sections of an existing pipeline, and the installation or upgrade of tanks, pump stations and other associated infrastructure (BHP Billiton, 2008). Existing tracks and other previously disturbed areas will be utilised wherever possible (BHP Billiton, 2008). All topsoil and vegetation will be stockpiled for later use in rehabilitation. All cleared areas not required for ongoing operations will be rehabilitated at the completion of the construction works (BHP Billiton, 2008).

A flora survey of the majority of the application area was conducted by Ecologia environmental consultants between 18 and 23 April 2008 (BHP Billiton, 2008). The plans for the pipeline project were modified after the initial flora survey was conducted, and small additional areas were added onto each end of the proposal. These additional areas, near the Mt Whaleback minesite and the Orebody 23 minesite, were surveyed separately at later dates by Ecologia and BHP Billiton (BHP Billiton, 2008).

The initial survey was conducted using sixty nine 50 metre by 50 metre quadrats, and 12 transects, representing all the vegetation types of the survey area (Ecologia, 2008b).

The vegetation surveys identified eight main vegetation units broadly associated with topographic features:

1. river / creek bank;
2. hill crest;
3. hill midslope;
4. hill footslope;
5. flat/plain;
6. flood plain;
7. gully base;
8. minor drainage channel (Ecologia, 2008b).

Fourteen weed species were recorded during the flora survey: *Aerva javanica* (Kapok Bush), *Bidens bipinnata* (Bipinnate Beggartick), *Cenchrus ciliaris* (Buffel Grass), *Centaureum erythraea* (Common Centaury), *Chloris virgata* (Feathertop Rhodes Grass, Windmill Grass), *Citrullus colocynthis* (Colocynth), *Citrullus lanatus* (Afghan Melon, Pie Melon, Wild Melon), *Conyza bonariensis* (Flaxleaf Fleabane), *Cynodon dactylon* (Couch Grass), *Datura leichhardtii*, *Echinochloa colona* (Awnless Barnyard Grass), *Malvastrum americanum* (Spiked Malvastrum), *Portulaca oleracea* (Purslane) and *Vachellia farnesiana* (Mimosa Bush) (Ecologia, 2008b).

The vegetation condition was derived from a vegetation survey conducted by Ecologia (2008b).

Ecologia (2008b) described the vegetation condition within the application area as generally degraded and disturbed, due to previous disturbance related to existing infrastructure and substantial weed invasion.

3. Assessment of application against clearing principles

Comments

This amendment has been made to extend the permit duration until March 2024 and amend the clearing purpose to construction and maintenance of water and power infrastructure and associated activities. The permit duration has been extended by eight years allowing clearing until March 2022 inline with BHP Billiton Iron Ore Pty Ltd lease.

The assessment against the clearing principles has not changed and can be found in Decision Report CPS 2814/1.

Methodology

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

Comments

The assessment against Planning and Other Matters has not changed and can be found in Decision Report CPS 2814/1.

Methodology

4. References

- BHP Billiton (2008) Newman Water System Upgrade Project. Application to Clear Native Vegetation (Purpose Permit) under the Environmental Protection Act 1986. BHP Billiton Iron Ore Pty Ltd, Western Australia.
- Ecologia (2008b) Newman Water Pipeline Enhancement Project: Vegetation and Flora Survey. Version 3. Ecologia Environment, Western Australia.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.