



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

| | |
|-------------------------------|--------------------------------------|
| Purpose Permit number: | CPS 3596/2 |
| Permit Holder: | BHP Billiton Iron Ore Pty Ltd |
| Duration of Permit: | 19 September 2010 – 30 November 2020 |

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 strengthening, bridge protection and associated works.

2. Land on which clearing is to be done

Great Northern Highway Road Reserve (Lot 176 on Deposited Plan 219293)

3. Area of Clearing

The Permit Holder must not clear more than 0.8 hectares of native vegetation within the area hatched yellow on attached Plan 3596/2.

4. Clearing not authorised

This Permit does not authorise the permit holder to clear native vegetation where it does not have lawful authority to access land.

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. 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.

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 any plant -

- (a) that is a declared pest under section 22 of the *Biosecurity and Agriculture Management Act 2007*; or
- (b) published in a Department of Parks and Wildlife Regional Weed Rankings Summary, regardless of ranking; or
- (c) not indigenous to the area concerned.



M Warnock
SENIOR MANAGER
CLEARING REGULATION

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

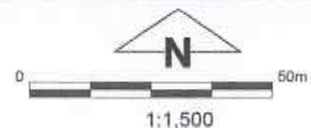
4 June 2015

Plan 3596/2



Legend

- Cadastre (Search)
- Cadastre Flattened - 5K
- Roads - Freeway and National Highway - Bridges
- Roads - Main Road - Bridges
- Imagery
- Clearing Instruments Activities
- Local Government Authority
- Roads - Freeway and National Highway



1:1,500

(Approximate when reproduced at A4)

GDA 94 (Lat/Long)

Geocentric Datum of Australia 1994

M Warnock Date 4/6/15
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



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1. Application details

1.1. Permit application details

Permit application No.: 3596/2
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: BHP Billiton Iron Ore Pty Ltd

1.3. Property details

Property: LOT 176 ON PLAN 219293, NEWMAN
Colloquial name:
Local Government: Shire of East Pilbara
Authority:
DER Region: Pilbara
DPaW District:
LCDC:
Localities: Newman

1.4. Application

| Clearing Area (ha) | No. Trees | Method of Clearing | For the purpose of: |
|--------------------|-----------|--------------------|----------------------------|
| 0.8 | | Mechanical Removal | Infrastructure maintenance |

1.5. Decision on application

Decision on Permit: Grant
Application:
Decision Date: 4 June 2015

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 association 18: Low woodland; mulga (<i>Acacia aneura</i>). Shepherd (2007) | BHP Billiton Iron Ore's Newman to Port Hedland railway duplication. The proposal is for clearing of 0.8 hectares for the purpose of bridge strengthening, protection and associated works within Lot 176 on Deposited Plan 219293 (Great Northern Highway), Newman in the Shire of East Pilbara. | Excellent; Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery, 1994). To Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994) | The proposed clearing is required as part of BHP Billiton Iron Ore's Newman to Port Hedland railway duplication. The clearing is for the purpose of bridge strengthening, protection and associated works and will occur entirely within the Great Northern Road Reserve. The bridge is situated over the existing railway line. The vegetation within the applied area is described as Triodia Hummock Grassland (Hummock grassland, low tree steppe; Snappy Gum (<i>Eucalyptus leucophloia</i> subsp. <i>leucophloia</i>) over <i>Triodia wiseana</i>). The condition of the vegetation within the applied area ranges from excellent to completely degraded (Keighery, 1994); however only a very small area under application is considered to be in excellent condition as the area is adjacent to existing roads (sealed road and unsealed access track) and rail infrastructure (ENV, 2009a cited in BHPBIO, 2010). The condition and description of the vegetation under application was determined via aerial imagery and a flora survey results conducted by ENV (2009a) and cited in BHPBIO (2010). |

3. Assessment of application against clearing principles

Comments This amendment has been made to extend the permit duration until 30 November 2020.

The assessment against the clearing principles has not changed and can be found in Decision Report CPS 3596/1.

Methodology

Planning instruments and other relevant matters.

Comments The assessment against Planning and Other Matters has not changed and can be found in Decision Report CPS 3596/1.

Methodology

4. References

- BHPBIO (2010) Great Northern Highway Bridge Strengthening Project, Application to Clear Native Vegetation (Purpose Permit) Under The Environmental Protection Act 1986, Trim Ref: DOC119554.
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Shepherd, D.P. (2007) 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.