



## CLEARING PERMIT

*Granted under section 51E of the Environmental Protection Act 1986*

<b>Purpose Permit number:</b>	CPS 3947/2
<b>Permit Holder:</b>	BHP Billiton Iron Ore Pty Ltd
<b>Duration of Permit:</b>	25 December 2010 – 25 December 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 purposes of maintaining a delineated corridor for the Newman Power Network and construction of powerlines and associated infrastructure.

**2. Land on which clearing is to be done**

unallocated Crown land (Newman 6753)  
Lot 56 on Plan 32128 (Newman 6753)  
Lot 19 on Plan 48921 (Newman 6753)  
Lot 55 on Plan 32127 (Newman 6753)  
Lot 17 on Plan 241430 (Newman 6753)  
unallocated Crown land (Newman 6753)  
Lot 300 on Plan 64866 (Newman 6753)  
Lot 1645 on Plan 186544 (Newman 6753)  
Lot 1508 on Plan 184898 (Newman 6753)  
Lot 1509 on Plan 184897 (Newman 6753))  
Lot 2344 on Plan 92146 (Newman 6753)  
Lot 2343 on Plan 92145 (Newman 6753)  
unallocated Crown land (Newman 6753)  
Lot 688 on Plan 183376 (Newman 6753)  
Lot 500 on Plan 55236 (Newman 6753)  
Lot 2000 on Diagram 85028 (Newman 6753)  
Lot 2001 on Diagram 85028 (Newman 6753)  
Lot 1328 on Plan 183375 (Newman 6753)  
Road Reserve (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 1401 on Plan 214575 (Newman 6753)  
unallocated Crown land (Newman 6753)  
Lot 1636 on Plan 215910 (Newman 6753)  
Lot 2356 on Plan 216724 (Newman 6753)  
Lot 2357 on Plan 216724 (Newman 6753)  
Lot 505 on Plan 66729 (Newman 6753)  
Lot 507 on Plan 66729 (Newman 6753)  
Lot 9000 on Plan 56657 (Newman 6753)  
Lot 506 on Plan 66729 (Newman 6753)  
Lot 18 on Plan 56657 (Newman 6753)

Road Reserve (Newman 6753)  
Lot 1579 on Plan 216754 (Newman 6753)  
Lot 1580 on Plan 216754 (Newman 6753)  
Road Reserve (Newman 6753)  
unallocated Crown land (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 1317 on Plan 214582 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 995 on Plan 215749 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 2320 on Plan 218369 (Newman 6753)  
Lot 2324 on Plan 218369 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 2319 on Plan 218369 (Newman 6753)  
Lot 1511 on Plan 215292 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 2315 on Plan 189978 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 1789 on Plan 216374 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 1910 on Plan 216630 (Newman 6753)  
Lot 1912 on Plan 216630 (Newman 6753)  
Lot 2348 on Plan 193231 (Newman 6753)  
Lot 12 on Diagram 93903 (Newman 6753)  
Road Reserve (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 508 on Plan 61693 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 151 on Plan 58929 (Newman 6753)  
Lot 152 on Plan 58929 (Newman 6753)  
Lot 1895 on Plan 216558 (Newman 6753)  
Lot 1878 on Plan 216558 (Newman 6753)  
Lot 1876 on Plan 216558 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 149 on Plan 58929 (Newman 6753)  
Lot 150 on Plan 58929 (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 1879 on Plan 216558 (Newman 6753)  
Lot 1877 on Plan 216558 (Newman 6753)  
Lot 300 on Plan 65155 (Newman 6753)  
Lot 1148 on Plan 183383 (Newman 6753)  
Lot 2270 on Plan 216851 (Newman 6753)  
Road Reserve (Newman 6753)  
Road Reserve (Newman 6753)  
Road Reserve (Newman 6753)  
Lot 500 on Plan 217443 (Newman 6753)  
unallocated Crown land (Newman 6753)  
Lot 16 on Plan 194288 (Newman 6753)  
Lot 44 on Plan 181724 (Newman 6753)  
Lot 42 on Plan 217099 (Newman 6753)  
Lot 37 on Plan 92399 (Newman 6753)  
Lot 19 on Plan 48921 (Newman 6753)  
Lot 71 on Plan 216352 (Newman 6753)  
Lot 72 on Plan 216352 (Newman 6753)  
Lot 73 on Plan 216352 (Newman 6753)  
Lot 176 on Plan 219293 (Newman 6753)  
Lot 144 on Plan 192902 (Newman 6753)

Lot 17 on Plan 241430 (Newman 6753)  
unallocated Crown land (Newman 6753)  
Lot 228 on Plan 38162 (Newman 6753)  
Lot 175 on Plan 219293 (Newman 6753)  
unallocated Crown land (Newman 6753)  
Lot 500 on Plan 52690 (Newman 6753)  
Lot 2351 on Plan 216869 (Newman 6753)  
unallocated Crown land (Newman 6753)  
Lot 511 on Plan 66718 (Newman 6753)  
Lot 302 on Plan 43550 (Newman 6753)  
Lot 1 on Diagram 76075 (Newman 6753)  
Lot 1983 on Plan 216624 (Newman 6753)  
Lot 11 on Diagram 93903 (Newman 6753)

**3. Area of Clearing**

The Permit Holder must not clear more than 376 hectares of native vegetation within the combined area shaded yellow on attached Plan 3947/2a and Plan 3947/2b and Plan 3947/2c and Plan 3947/2d.

**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. Drainage management

The Permit Holder shall not cause or permit the discharge of sediments, from within those areas permitted to be cleared under this permit, into watercourses associated with the Ethel Gorge Aquifer.

## PART III - RECORD KEEPING AND REPORTING

### 10. Records must be kept

- (a) 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:
- (i) 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;
  - (ii) the date that the area was cleared; and
  - (iii) the size of the area cleared (in hectares).
- (b) In relation to the drainage management of areas pursuant to condition 9 a description of the drainage management activities undertaken.

### 11. Reporting

- (a) The Permit Holder must provide to the CEO on or before 1 October of each year, a written report:
- (i) of records required under condition 10 of this Permit; and
  - (ii) concerning activities done by the Permit Holder under this Permit between 1 July and 30 June of the preceding year.
- (b) Prior to 25 September 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; and

*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*.

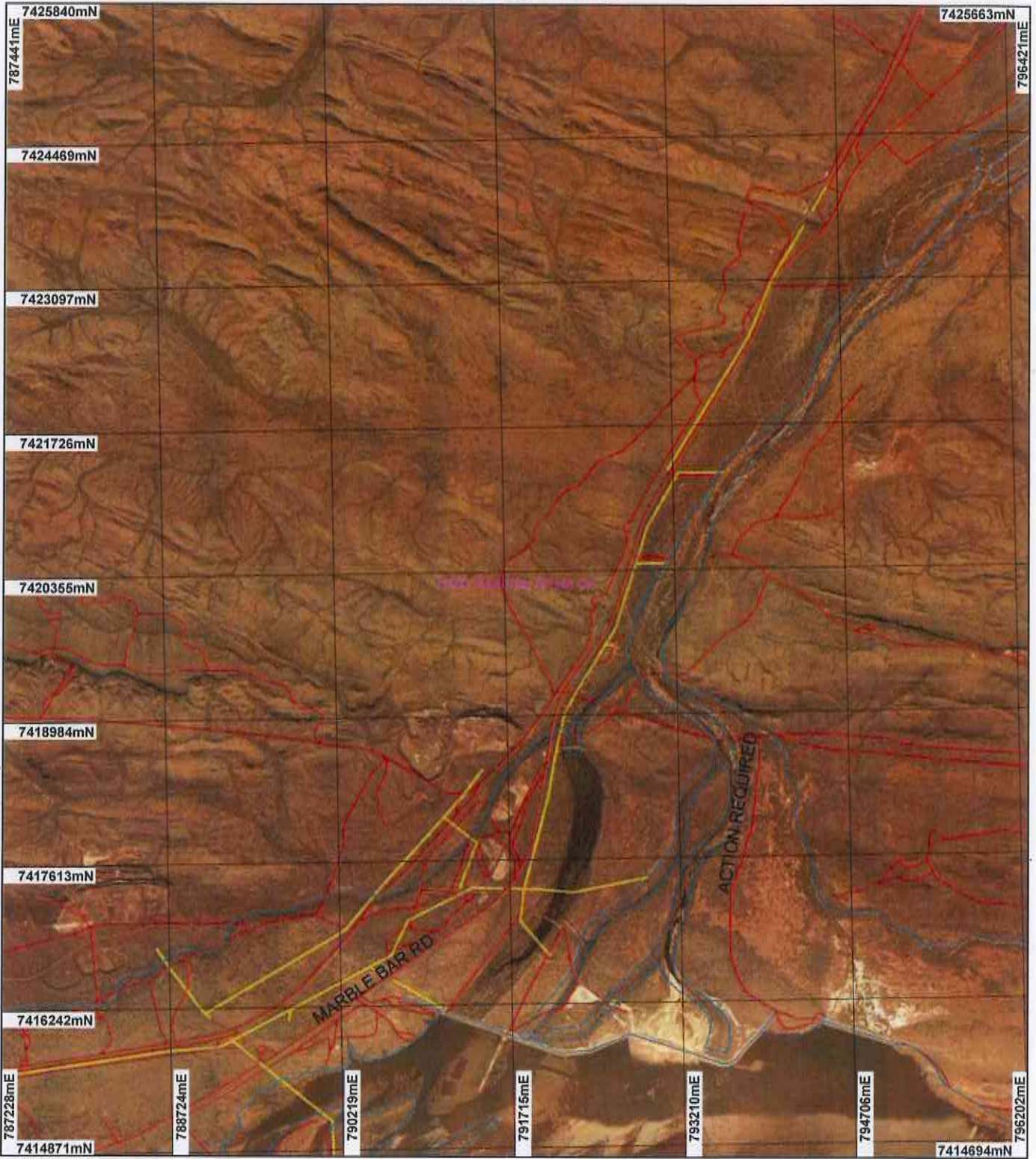


M Warnock  
A/MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

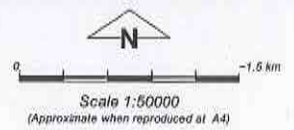
6 December 2012

# Plan 3947/2a



## LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities
- Rivers
- Newman 1.4m Orthomosaic - Landgate 2003



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

*M. Warnock* Date 6/12/12

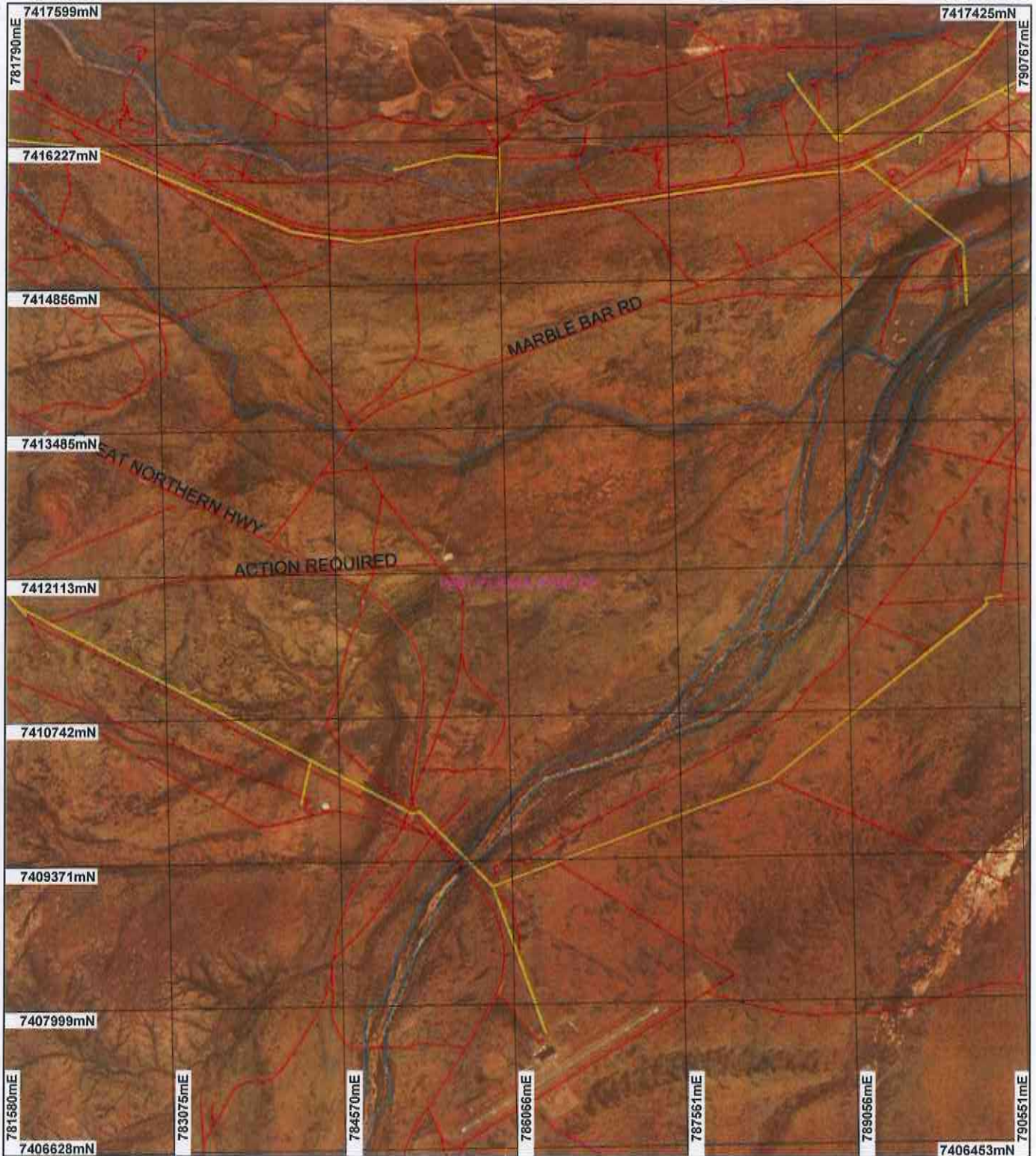
M. Warnock  
Officer with delegated authority under Section 20 of the Environmental Protection Act 1986

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



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

# Plan 3947/2b



## LEGEND

- Road Centrelines
- Clearing Instruments
- Areas Approved to Clear
- Local Government Authorities
- Rivers
- Newman 1.4m Orthomosaic - Landgate 2003



0 1.25 km

Scale 1:50000

(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 6/12/12

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.

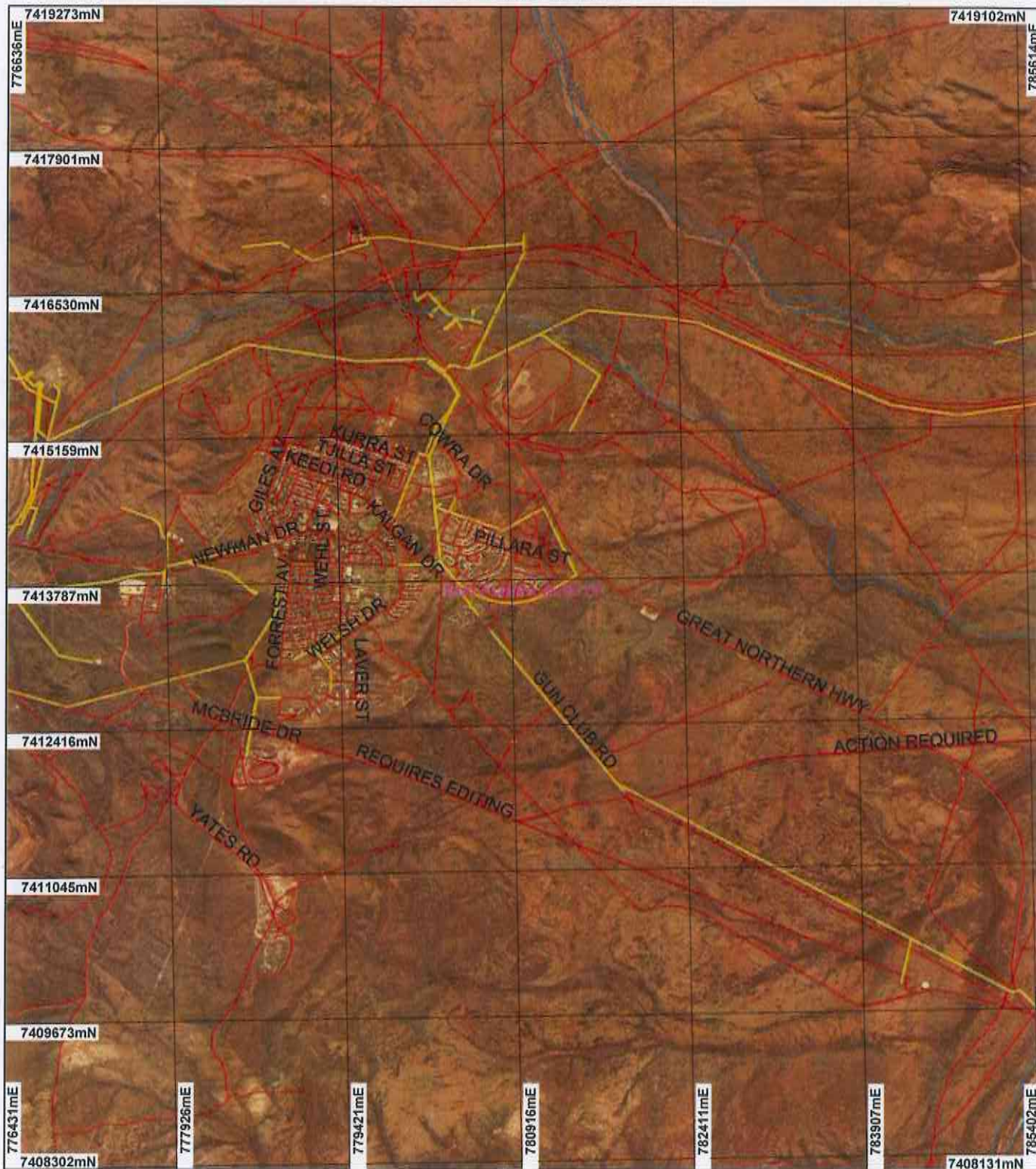


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\* Project Data is denoted by asterisk. This data has not been quality assured. Please contact map author for details.

# Plan 3947/2c



## LEGEND

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

Rivers  
Newman 1.4m Orthomosaic - Landgate 2003



0 -1.6 km

Scale 1:50003  
(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.

*Warneck* Date *6.12.12*

M. Warneck

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.

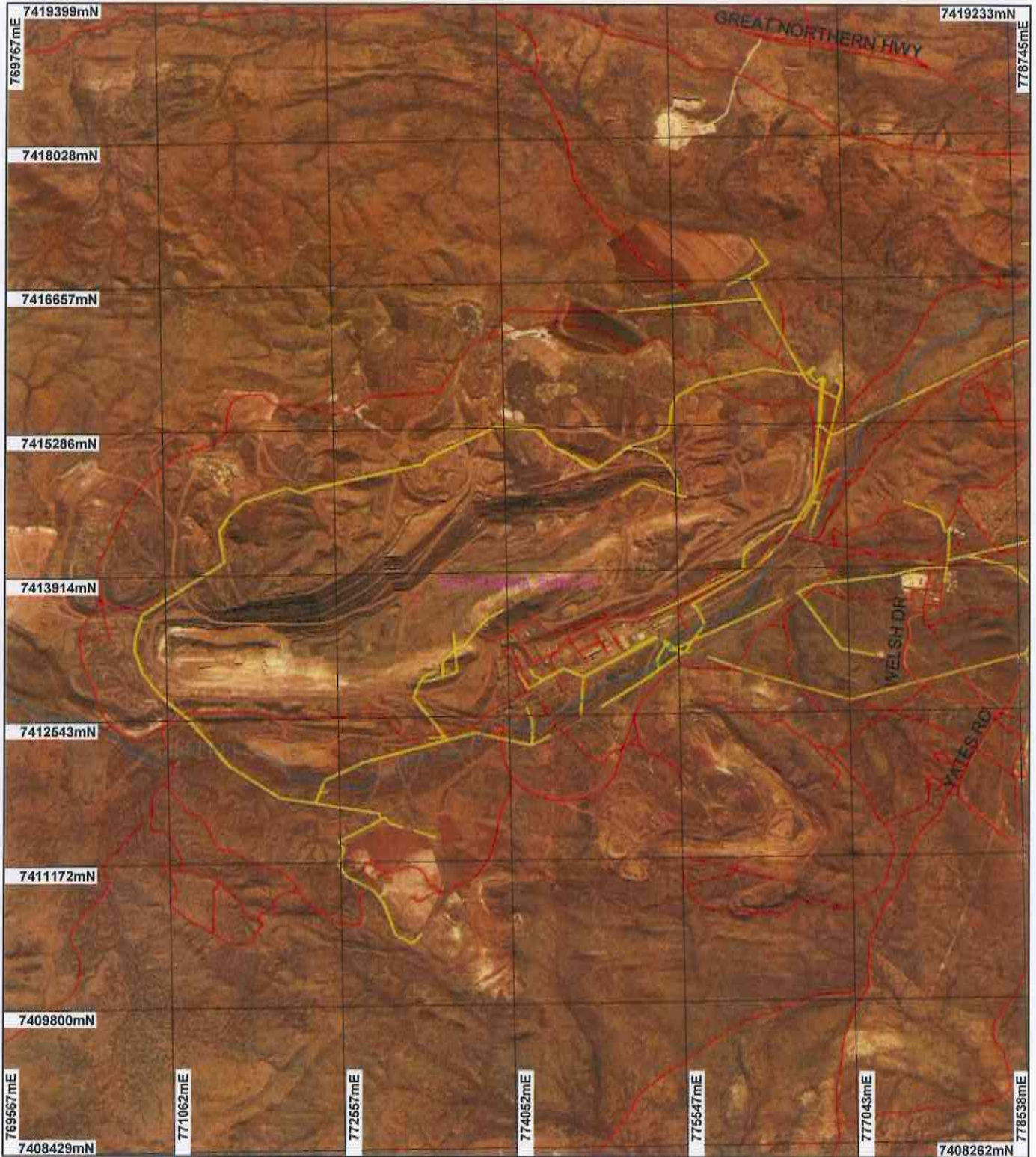


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# Plan 3947/2d



## LEGEND

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

 Rivers  
Newman 1,4m Orthomosaic - Landgate 2003



Scale 1:50003  
(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 6/12/12

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.



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## 1. Application details

### 1.1. Permit application details

Permit application No.: 3947/2  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: BHP Billiton Iron Ore Pty Ltd

### 1.3. Property details

Property:

- UNALLOCATED CROWN LAND ( NEWMAN 6753)
- LOT 56 ON PLAN 32128 ( NEWMAN 6753)
- LOT 19 ON PLAN 48921 ( NEWMAN 6753)
- LOT 55 ON PLAN 32127 ( NEWMAN 6753)
- LOT 17 ON PLAN 241430 ( NEWMAN 6753)
- UNALLOCATED CROWN LAND ( NEWMAN 6753)
- LOT 300 ON PLAN 64866 ( NEWMAN 6753)
- LOT 1645 ON PLAN 186544 ( NEWMAN 6753)
- LOT 1508 ON PLAN 184898 ( NEWMAN 6753)
- LOT 1509 ON PLAN 184897 ( NEWMAN 6753)
- LOT 2344 ON PLAN 92146 ( NEWMAN 6753)
- LOT 2343 ON PLAN 92145 ( NEWMAN 6753)
- UNALLOCATED CROWN LAND ( NEWMAN 6753)
- LOT 688 ON PLAN 183376 (Lot No. 688 NEWMAN NEWMAN 6753)
- LOT 500 ON PLAN 55236 ( NEWMAN 6753)
- LOT 2000 ON DIAGRAM 85028 (Lot No. 2000 NEWMAN NEWMAN 6753)
- LOT 2001 ON DIAGRAM 85028 (Lot No. 2001 NEWMAN NEWMAN 6753)
- LOT 1328 ON PLAN 183375 (Lot No. 1328 NEWMAN NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- LOT 1401 ON PLAN 214575 (Lot No. 1401 NEWMAN NEWMAN 6753)
- UNALLOCATED CROWN LAND ( NEWMAN 6753)
- LOT 1636 ON PLAN 215910 ( NEWMAN 6753)
- LOT 2356 ON PLAN 216724 ( NEWMAN 6753)
- LOT 2357 ON PLAN 216724 ( NEWMAN 6753)
- LOT 505 ON PLAN 66729 ( NEWMAN 6753)
- LOT 507 ON PLAN 66729 ( NEWMAN 6753)
- LOT 9000 ON PLAN 56657 ( NEWMAN 6753)
- LOT 506 ON PLAN 66729 ( NEWMAN 6753)
- LOT 18 ON PLAN 56657 (House No. 9 WONMUNNA NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- LOT 1579 ON PLAN 216754 (House No. 40 WOODSTOCK NEWMAN 6753)
- LOT 1580 ON PLAN 216754 (House No. 32 WOODSTOCK NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- UNALLOCATED CROWN LAND ( NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- LOT 1317 ON PLAN 214582 (House No. 38 MULLGUNBAH NEWMAN 6753)
- UNALLOCATED CROWN LAND ( NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- LOT 995 ON PLAN 215749 (House No. 2A THULLUNA NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- LOT 2320 ON PLAN 218369 (Lot No. 2320 WHALEBACK NEWMAN 6753)
- LOT 2324 ON PLAN 218369 (Lot No. 2324 WHALEBACK NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)
- LOT 2319 ON PLAN 218369 (Lot No. 2319 WHALEBACK NEWMAN 6753)
- LOT 1511 ON PLAN 215292 (House No. 75 FORTESCUE NEWMAN 6753)
- ROAD RESERVE ( NEWMAN 6753)

LOT 2315 ON PLAN 189978 (House No. 36 KALGAN NEWMAN 6753)  
 ROAD RESERVE ( NEWMAN 6753)  
 LOT 1789 ON PLAN 216374 (House No. 55 KALGAN NEWMAN 6753)  
 ROAD RESERVE ( NEWMAN 6753)  
 LOT 1910 ON PLAN 216630 (House No. 21 KALGAN NEWMAN 6753)  
 LOT 1912 ON PLAN 216630 (House No. 15 KALGAN NEWMAN 6753)  
 LOT 2348 ON PLAN 193231 (House No. 15 COWRA NEWMAN 6753)  
 Shire of East Pilbara

Local Government Area:  
 Colloquial name:

#### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
376		Mechanical Removal	Infrastructure Maintenance

#### 1.5. Decision on application

Decision on Permit Application:	Grant
Decision Date:	6 December 2012

### 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 following Beard vegetation associations are mapped as occurring within the applied area: 18: Low woodland; mulga (Acacia aneura) 29: Sparse low woodland; mulga, discontinuous in scattered groups 82: Hummock grasslands, low tree steppe; snappy gum over Triodia wiseana (Hopkins et al 2001, Shepherd 2009)	This proposal is for the clearing of 376 ha of native vegetation for the purpose of maintaining a power corridor for the Newman Power Network and for the construction of powerlines and associated infrastructure. The current length of the network is 132 km, and the proposal is to install and maintain a graded area either side of the power line network to a width of 10 m either side of the poles on all active mine leases and to 6 m either side of poles within the Newman township (BHP Billiton Iron Ore 2010).  Ten vegetation associations were defined and mapped within the surveyed project area (12 m on either side of the power lines), with the vegetation being mostly degraded due to previous clearing for construction power lines and maintenance of access tracks (Biologic 2009).	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)  To  Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)	The condition and description of the vegetation under application was determined via a flora and fauna survey report (Biologic 2009).

### 3. Assessment of application against clearing principles

#### Comments

This amendment has been made to include the purpose of construction of powerlines and associated infrastructure.

The assessment against the clearing principles has not changed and can be found in Decision Report CPS 3947/1.

#### 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 3947/1.

#### Methodology

### 4. References

- BHP Billiton Iron Ore (2010) Newman Power Line Application to Clear Native Vegetation (Purpose Permit) under the Environmental Protection Act 1986. BHP Billiton Iron Ore. DEC Ref A329416  
 Biologic (2009) Newman Power Network, Level 2 Flora and Level 1 Fauna Survey. Biologic. DEC Ref A329419  
 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. (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)