



## CLEARING PERMIT

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

<b>Purpose Permit number:</b>	CPS 4151/1
<b>Permit Holder:</b>	Kimberley Metals Group Pty Ltd
<b>Duration of Permit:</b>	25 April 2011 – 25 April 2016

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 power line installation.

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

Barytes Road reserve (Wyndham 6740)

**3. Area of Clearing**

The Permit Holder must not clear more than 0.6 hectares of native vegetation within the area shaded yellow on attached Plan 4151/1.

**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. 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

**6. 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;

*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*.



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Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

31 March 2011

# Plan 4151/1



## LEGEND

### Clearing Instruments

- Areas Approved to Clear
- Road Centrelines
- Cadastre
- Wyndham 50cm Orthomosaic - Landgate 2007

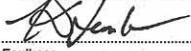


0  200 m

Scale 1:6815  
(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.

 Date 20/3/11  
K. Faulkner

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

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## 1. Application details

### 1.1. Permit application details

Permit application No.: 4151/1  
Permit type: Purpose Permit

### 1.2. Proponent details

Proponent's name: Kimberley Metals Group Pty Ltd

### 1.3. Property details

Property: ROAD RESERVE ( WYNDHAM 6740)  
Local Government Area: Shire of Wyndham – East Kimberley  
Colloquial name: Barytes Road reserve

### 1.4. Application

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

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 17 March 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 Beard vegetation associations 127 and 911. Shepherd (2009) describes these vegetation types as:	The proposal is to clear a 5 meter wide strip of vegetation along Barytes Road reserve, Wyndham for the purpose of installing a power line.	Excellent: Vegetation structure intact; disturbance affecting individual species, weeds non-aggressive (Keighery 1994)	The condition of the vegetation under application was determined via digital imagery (Wyndham Townsite 20cm Orthomosaic - Landgate 2007) and through information provided by the applicant.
127 - Bare areas; mud flats	Photographs taken along the power line corridor show open scrub over grassland, growing on sandstone scree and loam (Kimberley Metals Group, 2010). The shrubs <i>Terminalia canescens</i> , <i>Cochlospermum fraseri</i> and <i>Gyrocarpus americanus</i> and the hummock grass <i>Triodia bitextura</i> were identified from the photographs (Kimberley Metals Group, 2010).		
911 - Grasslands, high grass savanna woodland; bloodwood over upland tall grass & curly spinifex.			

## 3. Assessment of application against clearing principles

### Comments

The proposal is to clear 0.6 hectares of native vegetation within the eastern side of Barytes Road reserve, Wyndham, for the purpose of installing a power line. The proposed power line is required to provide electricity from the grid to the Ridges Iron Ore Project Barge Loading Facility.

The local area (10km radius) surrounding the proposed clearing site is well vegetated, containing approximately 98% vegetation.

Given the extensive vegetation cover within the local area, the proposal to clear a 5 metre strip of vegetation within a road reserve is not likely to represent an area of higher biodiversity value when compared to representative vegetation within a local context.

Six records of the priority 3 species; *Brachychiton incanus* were recorded within the local area. The closest record of this species was identified 1.6kms east of the area under application. The proposal to clear 0.6 hectares of native vegetation is not likely to compromise the conservation status of this species.

The assessment identified that the proposed clearing is not likely to significantly impact any biodiversity, land degradation, or environmental water values within the local or regional context.

Given the relatively small scale of the proposed clearing and consequently, limited habitat and biodiversity values of the vegetation, the proposed clearing is not likely to be variance to any of the clearing principles.

- Methodology** GIS databases:
- Pre-European vegetation - DA 01/01
  - Soils, Statewide DA 11/99
  - SAC Biodatasets - accessed 7 February 2011
  - Wyndham Townsite 20cm Orthomosaic - Landgate 2007

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

**Comments**

The area under application falls within the Canning - Kimberley Groundwater area which is an area proclaimed under the Rights in Water and Irrigation Act 1914.

The Chief Executive Officer of the Shire of Wyndham - East Kimberley has provided Kimberley Metals Group with authority to access and clear within Barytes Road reserve.

- Methodology** GIS Databases:
- RIWI Act, Groundwater Areas - DoW 13/07/06

#### 4. References

- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- Kimberley Metals Group Pty Ltd (2010) Junk, I and Arena, S. Application for a clearing permit (putpose permit) for the Ridges Iron Ore Project barge loading facility power line, Kimberley, Western Australia, November 2010 (DEC Ref: A363456).
- 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)