



## **CLEARING PERMIT**

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

### **PERMIT DETAILS**

Area Permit Number: 4816/1  
File Number: 2012/000187-1  
Duration of Permit: From 19 March 2012 to 19 March 2014

### **PERMIT HOLDER**

Broome Golf Club Inc

### **LAND ON WHICH CLEARING IS TO BE DONE**

Lot 851 on Plan 172687, Minyirr

### **AUTHORISED ACTIVITY**

The Permit Holder shall not clear more than 0.52 hectares of native vegetation within the area hatched yellow on attached Plan 4816/1.

### **CONDITIONS**

Nil.

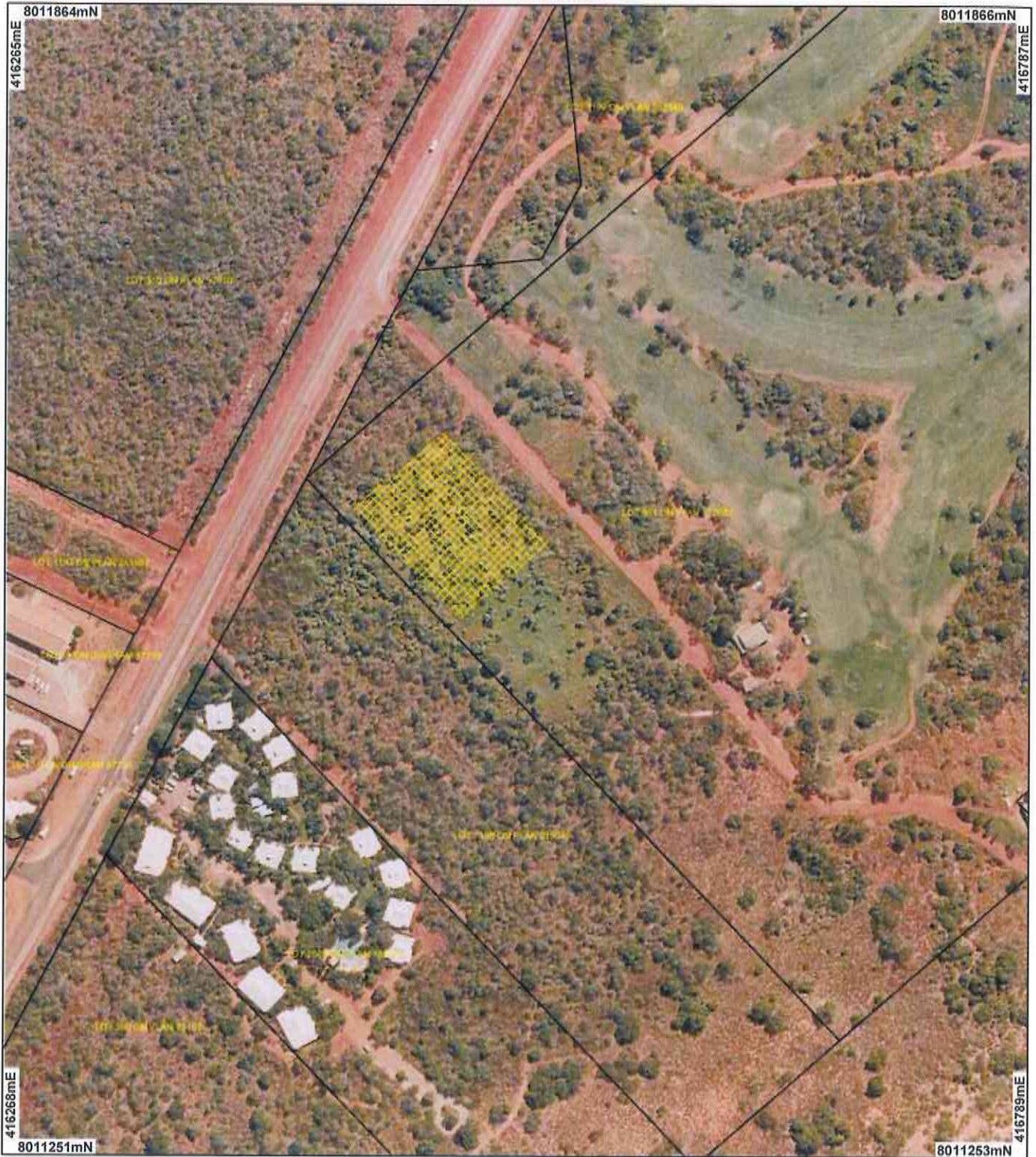
A handwritten signature in black ink, appearing to be "Kelly Faulkner", written over a horizontal line.

Kelly Faulkner  
MANAGER  
NATIVE VEGETATION CONSERVATION BRANCH

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

23 February 2012

# Plan 4816/1



## LEGEND

### Clearing instruments

-  Areas Applied to Clear
  -  Areas Approved to Clear
  -  Cadastre for labelling
- Broome 50cm Orthomosaic - Landgate 2007




Scale 1:2846

(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 of measurement inaccuracies.

 Date 23/2/12

K Finkler  
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

Our environment, our future  
WA Crown Copyright 2002

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





## 1. Application details

### 1.1. Permit application details

Permit application No.: 4816/1  
Permit type: Area Permit

### 1.2. Proponent details

Proponent's name: Broome Golf Club Inc

### 1.3. Property details

Property: LOT 851 ON PLAN 172687 (House No. 223 PORT MINYIRR 6725)  
Local Government Area: Shire of Broome

### 1.4. Application

Clearing Area (ha)	No. Trees	Method of Clearing	For the purpose of:
0.52		Mechanical Removal	Miscellaneous

### 1.5. Decision on application

Decision on Permit Application: Grant  
Decision Date: 23 February 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 vegetation under application is mapped as Beard Vegetation Association No. 750 (Dampierland) - Shrublands, pindan; Acacia tumida shrubland with grey box & cabbage gum medium woodland over ribbon grass & curly spinifex (Shepherd 2009).	The vegetation structure is of tall open shrubland with some low open woodland (Keighery, 1994). Predominant species include Acacia tumida and Corymbia dampieri with occurrences of Terminalia petiolaris, Waltheria indica, Ficus opposita, Corchorus pumilio and Brachychiton diversifolius. Weeds are abundant throughout the area under application. Herbaceous weeds appear to have replaced most grasses at the site as have creepers and vines replaced most shrubs. Creepers and vines are also starting to dominate some tree species. Black Pig Weed Trianthema portulacastrum, Hyptis suaveolens, Neem, Passiflora foetida, Siratro Macroptilium atropurpureum, and Sicklepod species are all present at the site.	Degraded; Structure severely disturbed; regeneration to good condition requires intensive management (Keighery 1994)	Vegetation description obtained from Yawuru Heritage Impact Assessment notice (McKinney 2012) and DEC site inspection report (DEC 2012).

## 3. Assessment of application against clearing principles

Comments	Proposal is not at variance to this Principle
	The proposal to clear up to 0.52 hectares of native vegetation for the purpose of creating a new practice fairway is not likely to have any environmental impacts. The native vegetation under application is in a degraded (Keighery, 1994) condition with weeds abundant (e.g. Neem, Black Pig Weed and Sicklepod species) present (DEC, 2012). The native vegetation under application is mapped as Beard Vegetation Association 750; this type is sufficiently represented in the local area (40km) with up to 98% of the pre-European extent remaining (Shepherd, 2009).

The soil of the area under application is described as 'Pindan country'. These soils are typically red deep sands with low salinity levels (ground water salinity is less than 500mg/L) and are well drained (Northcote et al 1960-68).

There is one declared rare flora (DRF) species (*Keraudrenia exastia*, 2km southwest) in the local area (10km radius) within the same Beard vegetation type and same soil type as to that of the applied area. However, the area under application is a differing floristic community to that of the preferred habitat of the DRF (Coffey, 2009), and so it is unlikely the DRF species occurs within the subject area. Further, a site inspection did locate any flora species of conservation significance (DEC, 2012).

There is one threatened ecological community (TEC), Roebuch Bay mudflats, 500m east of the proposed clearing area. The proposed clearing is unlikely to have any detrimental impacts on the hydrological functioning on this TEC given the well drain soils of the local area, the small amount of clearing involved, the existence of vegetation present between the application area and the TEC and the proposed end land use.

The assessment of the application identified that the clearing as proposed is not likely to be at variance to any of the clearing principles.

- Methodology**    References:
- Coffey 2009
  - DEC 2012
  - Keighery 1994
  - Northcote 1960-68
  - Shepherd 2009
- GIS Databases:
- Accessed February 2012

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

##### **Comments**

Broome Golf Club Inc sought and received from the Yawuru Native Title Holders a Heritage Impact Assessment notice advising the development could proceed (McKinney, 2012).

Department of Water, Kununurra advised no water licence is required and that no adverse impacts to the underlying aquifer were likely from any additional watering of the golf course (DoW, 2012).

- Methodology**    References:
- McKinney 2012
  - DoW 2012

#### **4. References**

- Coffey (2009). Extract from Coffey Natural Systems. Response to the DEC Preliminary Assessment Report for Broome Port Authority (CPS 3104/1)(DEC Ref: A474744).
- DEC (2012) Site Inspection Report for Clearing Permit Application CPS 4816/1, Lot 851 on Plan 172687, Minyirr. Site inspection undertaken 15/2/2012. Department of Environment and Conservation, Western Australia (DEC Ref: A476625).
- DoW (2012) Department of Water advice received concerning licence to take groundwater (DEC Ref: A476627).
- Keighery, B.J. (1994) Bushland Plant Survey: A Guide to Plant Community Survey for the Community. Wildflower Society of WA (Inc). Nedlands, Western Australia.
- McKinney (2012) Broome Golf Club-New Practice Fairway and Shed Field Inspection Report; Prepared for the Yawuru Native Title Holders (DEC Ref: A476626)
- Northcote, K. H. with Beckmann G G, Bettenay E., Churchward H. M., van Dijk D. C., Dimmock G. M., Hubble G. D., Isbell R. F., McArthur W. M., Murtha G. G., Nicolls K. D., Paton T. R., Thompson C. H., Webb A. A. and Wright M. J. (1960-68): 'Atlas of Australian Soils, Sheets 1 to 10, with explanatory data'. CSIRO and Melbourne University Press: Melbourne.
- 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)