



CLEARING PERMIT

Granted under section 51E of the Environmental Protection Act 1986

Purpose Permit number:	CPS 6387/1
Permit Holder:	City of Karratha
Duration of Permit:	28 February 2015 – 28 February 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 redeveloping a golf course.

2. Land on which clearing is to be done

Lot 4211 on Deposited Plan 187663 (Reserve 30872), Bulgarra
Lot 4929 on Deposited Plan 37826 (Reserve 34922), Bulgarra

3. Area of Clearing

The Permit Holder must not clear more than 9.8 hectares of native vegetation within the area hatched yellow on attached Plan 6387/1.

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.

PART II – MANAGEMENT CONDITIONS

5. 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:

- avoid the clearing of native vegetation;
- minimise the amount of native vegetation to be cleared; and
- reduce the impact of clearing on any environmental value.

6. Vegetation management

- Where practicable the Permit Holder shall avoid clearing *riparian vegetation*.
- Where a *watercourse or wetland* is to be impacted by clearing, the Permit Holder shall maintain the existing surface flow by use of culverts.

7. Weed control

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*:

- (a) clean earth-moving machinery of soil and vegetation prior to entering and leaving the area to be cleared;
- (b) ensure that no *weed*-affected soil, *mulch*, *fill* or other material is brought into the area to be cleared; and
- (c) restrict the movement of machines and other vehicles to the limits of the areas to be cleared.

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;

riparian vegetation has the meaning given to it in Regulation 3 of the *Environmental Protection (Clearing of Native Vegetation) Regulations 2004*;

watercourse has the meaning given to it in section 3 of the *Rights in Water and Irrigation Act 1914*;

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; and

wetland/s means an area of seasonally, intermittently or permanently waterlogged or inundated land, whether natural or otherwise, and includes a lake, swamp, marsh, spring, dampland, tidal flat or estuary.

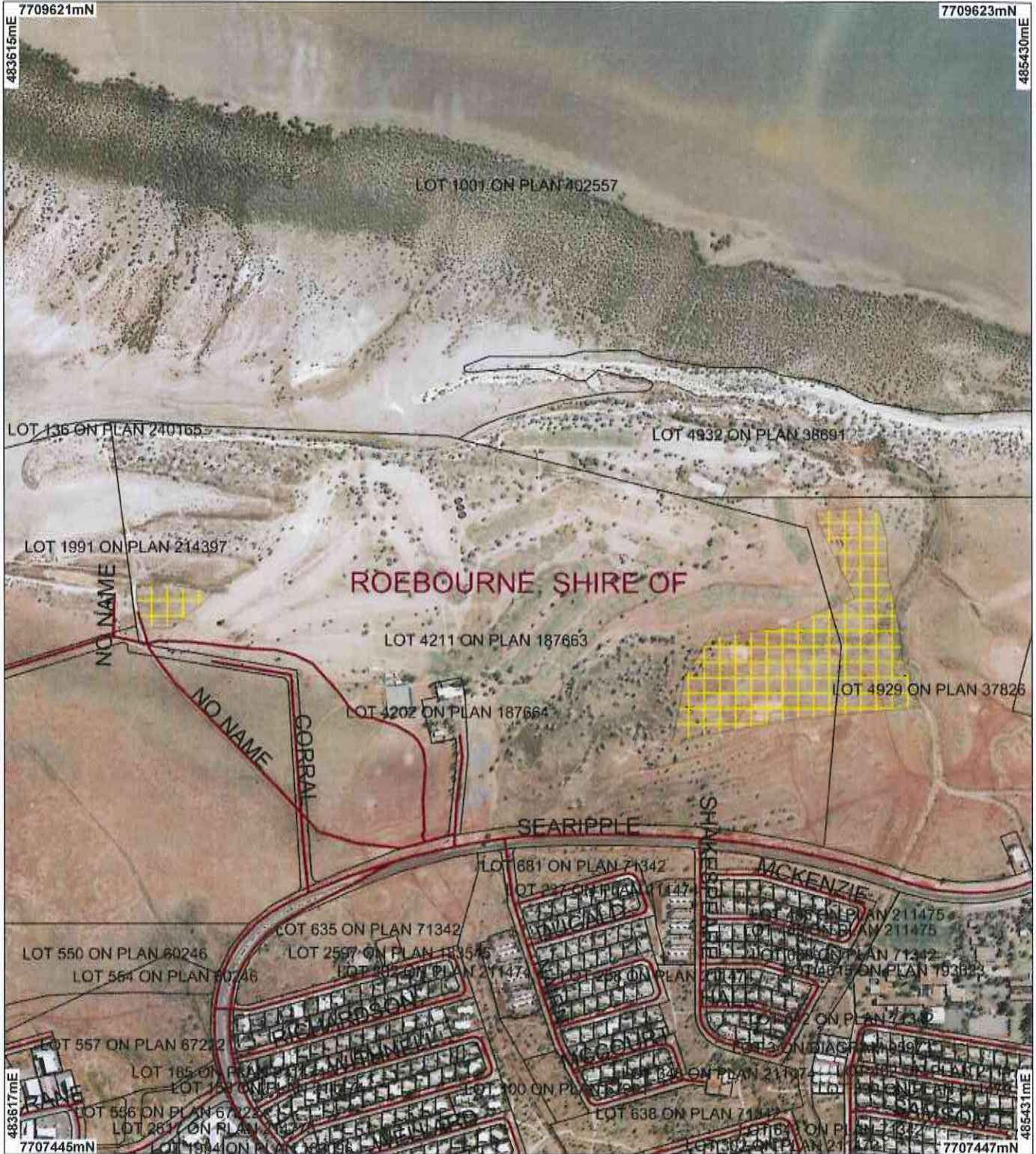


M Warnock
SENIOR MANAGER
CLEARING REGULATION

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

29 January 2015

Plan 6387/1



LEGEND

- | | |
|--------------------------------|--|
| Clearing Instruments | Road Centrelines |
| Areas Approved to Clear | Dampier Legendre 50cm Orthomosaic - Landgate 2004 |
| Cadastre | |



Scale 1:10000
(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 29/11/15

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 legend.



Government of Western Australia
Department of Environment Regulation

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Clearing Permit Decision Report

Government of Western Australia
Department of Environment Regulation

1. Application details

1.1. Permit application details

Permit application No.: 6387/1
Permit type: Purpose Permit

1.2. Proponent details

Proponent's name: City of Karratha

1.3. Property details

Property: Lot 4211 on Deposited Plan 187663 (Reserve 30872), Bulgarra
Lot 4929 on Deposited Plan 37826 (Reserve 34922) Bulgarra
Local Government Area: City of Karatha

1.4. Application

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

1.5. Decision on application

Decision on Permit Application: Grant
Decision Date: 29 January 2015

2. Site Information

2.1. Existing environment and information

2.1.1. Description of the native vegetation under application

Vegetation Description	Vegetation Condition
Mapped Beard Vegetation Association 43 is described as low forest; mangroves (Kimberley) or thicket; mangroves (Pilbara).	Completely Degraded: No longer intact; completely/almost completely without native species (Keighery 1994)
Mapped Beard Vegetation Association 127 is described as bare areas; mud flats.	To
Mapped Beard Vegetation Association 589 is described as mosaic: Short bunch grassland - savanna / grass plain (Pilbara) / Hummock grasslands, grass steppe; soft spinifex. (Shepherd et al. 2001)	Good: Structure significantly altered by multiple disturbance; retains basic structure/ability to regenerate (Keighery 1994)

3. Assessment of application against clearing principles

Comments The application is to clear 9.8 hectares of native vegetation within Lot 4929 on Deposited Plan 37826 and Lot 4211 on Deposited Plan 187663, Bulgarra, for the purpose of redeveloping and expanding the Karratha Golf Course.

Consideration has been given to impacts to biodiversity, significant fauna habitat, rare flora, threatened ecological communities, remnant vegetation values, wetlands, watercourses, land degradation, surface water quality, groundwater quality, and flooding. The assessment has found that the clearing under application may be at variance with principle (f) and is not likely to be at variance to the remaining principles.

A minor non-perennial watercourse runs along the eastern edge of the applied area. Avoiding and minimising the clearing of riparian vegetation will assist in mitigating potential impacts to this watercourse.

The City of Karratha (2014) advised that most of the application area has been previously cleared and the majority of the vegetation now consists of non-native grasses. In constructing the new fairways the City advised that the clearing of native vegetation will be minimal.

No submissions have been received for this application to clear.

Methodology References:
City of Karratha (2014)

GIS Databases:
Aerial imagery
Hydrography, Linear
Pre-European Vegetation
IBRA WA (Regions - Sub Regions)
Aboriginal Sites of Significance
SAC Biodatasets

4. References

- City of Karratha (2014) Clearing permit application and supporting documentation (DER ref A840975)
- 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., Beeston, G.R., and Hopkins, A.J.M. (2001), Native Vegetation in Western Australia. Technical Report 249. Department of Agriculture Western Australia, South Perth.