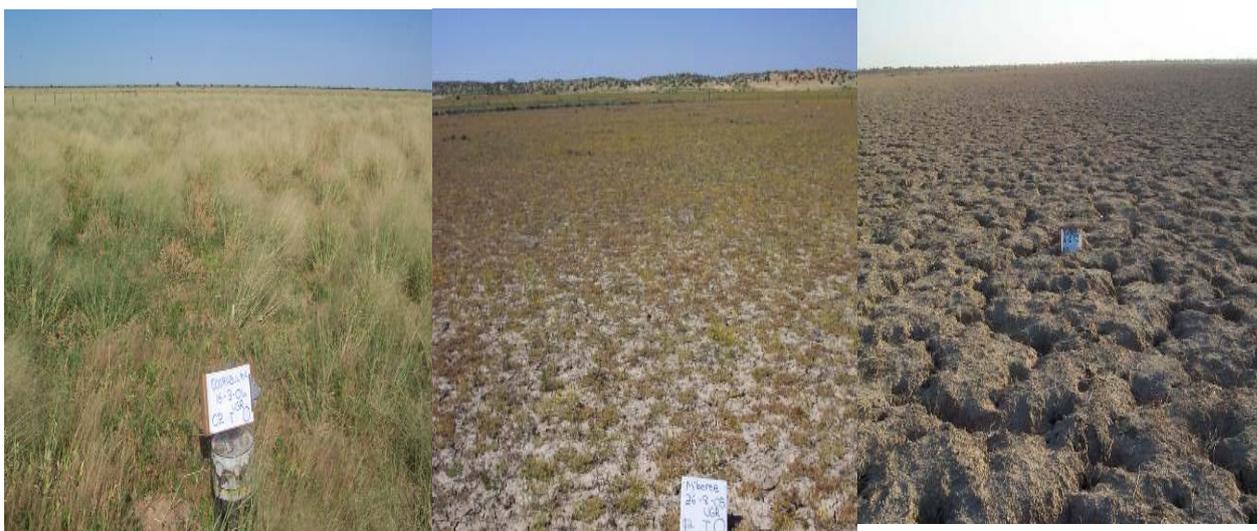


# Occasionally flooded open plains (C2 floodplains)



## General description

Ephemeral open grassland (which can be dominated by annual grasses when in good condition) and forblands with coolibah and lignum along the minor channels.

This land type is the least frequently flooded as it includes higher areas within the floodplains and the areas furthest from the major channels. Floodwater is generally shallow and slow moving.

## Landform

Floodplains.

## Woody vegetation

Coolibah, lignum.

## Expected pasture composition

\* Denotes non-native "Expected Pasture Composition" species.

# Denotes non-grass species that are important to grazing and land condition values in annually dominated land types.

### Preferred

Cow vine#, tarvine#. Some areas may have Mitchell grass. Preferred annuals include Flinders grass.

### Intermediate

Katoora. Intermediate annuals include pepper grass, comb windmill grass, button grass, delicate lovegrass, downs couch, fairy grass.

### Non-preferred

Unpalatable forbs, such as soft roly poly, caustic weed, pimelea and boggabri.

### Annual grasses

See preferred, intermediate and non-preferred species lists.

### Common forbs

Verbine, pea bush, bogan flea, daisy burrs, goodenia#, daisies#, saltbushes, pigweed, cudweed, joyweed, red spinach, fireweed, sida.

## Suitable sown pasture

Not suitable for sown pastures.

## Introduced weeds

None

## Soil

Very deep crusted brown and grey clays and alluvial texture contrast soils subject to scalding.

## Description

**Surface:** Crusty or may be weakly self-mulching; **Surface texture:** clay intermixed with silt and sand; **Subsoil texture:** heavy clay with interspersed sand and silt layers.

## Features

Recent alluvial sediments, texture contrast soils have originated from wind blown sand overlying the grey clays. Manganese staining is common. Gypsum occurs at depth.

Water availability

Moderate to high, although flooding only occurs during good floods.

Rooting depth

Can be in excess of 1 m if not limited by sodicity.

Infiltration

High initially on a dry soil profile, slowing to moderate levels after 75 mm of rain as cracks close and to low levels after 100 mm of rain. Estimates based on low to moderate intensity storm rain.

Fertility

Moderate

Salinity

Very low at the surface increasing to very high at depth.

Sodicity

Strongly sodic at depth.

pH

Neutral to strongly alkaline.

**Long-term carrying capacity information (A condition)**

Based on fully watered area for 1AE = 450 kg animal consuming 8kg DM/day				
Median annual rainfall 151 – 283 mm				
Pasture type	Median tree cover (TBA m <sup>2</sup> /ha) (FPC %)	Median annual pasture growth (DM kg/ha)	Safe annual utilisation pasture growth (%)	LTCC (ha/AE)
Native species	0 TBA/FPC	90 - 800	Generally low, <15%	24 - 216
	2 TBA 5 FPC	20 - 360	Generally low, <15%	54 – 974

**Enterprise**

Breeding, backgrounding and opportunistic finishing.

**Land use and management recommendations**

- Early wet season spelling of annual plants will promote seed for future pastures.

**Land use limitations**

- Little perennial pasture available, mainly seasonal forbs and annual grasses.
- Subject to scalding and saline areas.
- Flooded least frequently of floodplain land types, hence pasture is less reliable.
- Salinity and sodicity at depth can limit water penetration and access of water by plants.
- Lack of top feed.

**Conservation features and related management**

- Severely scalded and saline in some areas.
- Habitat for feral cats and feral pigs.
- Swampy areas are important seasonal water bird habitat.
- Rills on tracks and fence lines may restrict floodwater reaching floodplain extremities.

**Regional Ecosystems**

5.3.19.

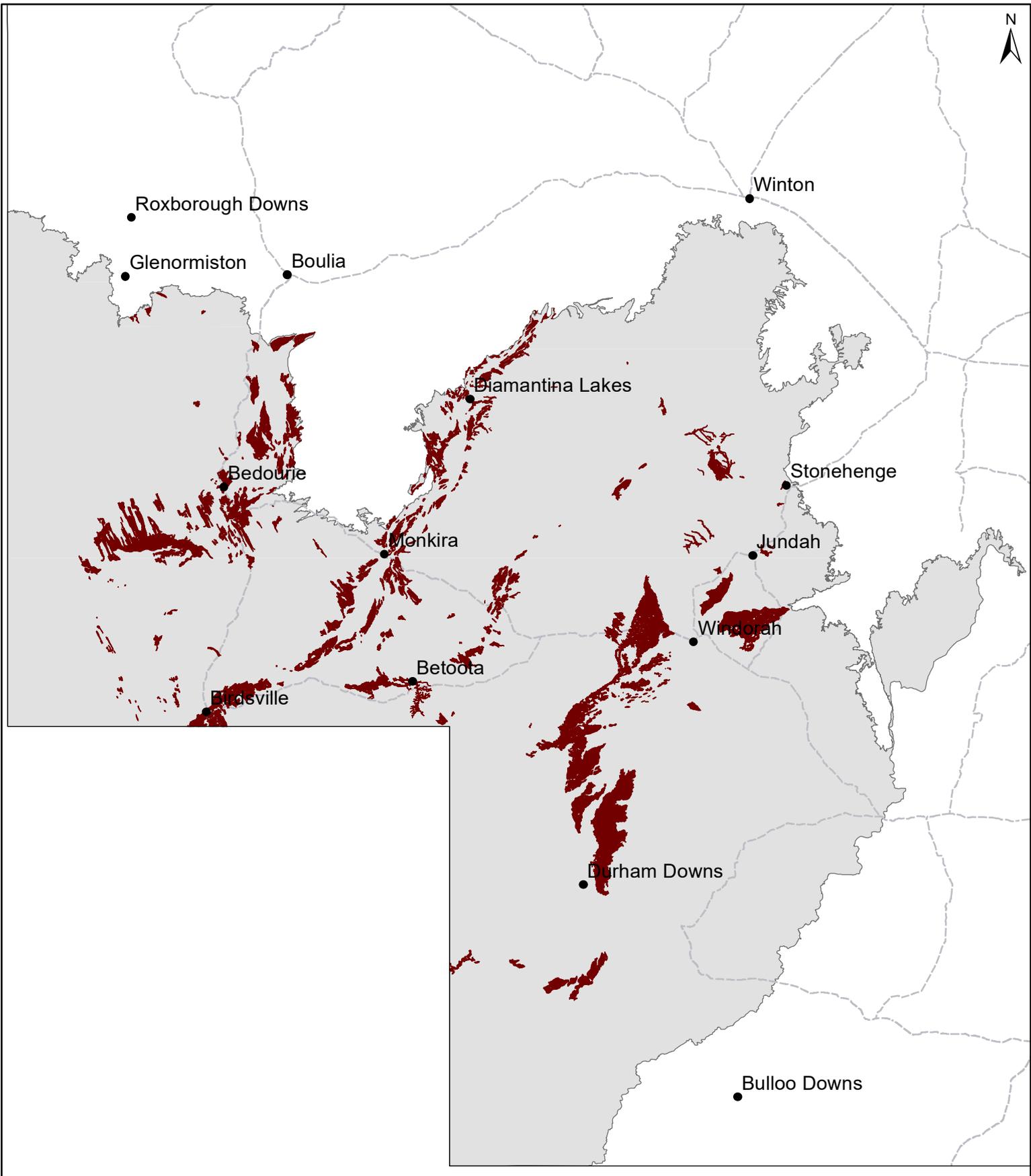
**WARLUS Part**

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**Land systems**

C2 ( <i>Cunnawilla</i> )	C2 ( <i>Cunnawilla</i> )				C2 ( <i>Cunnawilla</i> )
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# CC02 Occasionally flooded open plains (C2 floodplains)



Area of land type in region: 4%  
Median rainfall (region): 151 – 390 mm  
Average rainfall (region): 187 – 429 mm  
Area of land type with FPC: 3%  
Median FPC: 5%  
Median TBA: 2 m<sup>2</sup>/ha



**Queensland  
Government**