

# Red earths



<b>Landform</b>	Upper slopes on level to gently undulating plains.
<b>Woody vegetation</b>	Bloodwood, narrow-leaved ironbark woodland with understorey of grevilleas, wattles and quinine.
<b>Expected pasture composition</b>	<i>* Denotes non-native "Expected Pasture Composition" species.</i>
Preferred	Golden beard grass, forest bluegrass, black speargrass, kangaroo grass.
Intermediate	Cotton panic, silky browntop, lemon-scented grass, gulf bluegrass, plume sorghum, Indian couch*, bottlewasher grasses, giant speargrass.
Non-preferred	Wiregrasses.
Annual grasses	Fire grass, comet grass, fairy grass.
<b>Suitable sown pastures</b>	Shrubby and Caribbean stylos.
<b>Introduced weeds</b>	
<b>Soil</b>	Free draining, grey to red surface grading to red clay soils.
Description	<b>Surface:</b> Loose; <b>Surface texture:</b> sandy loam; <b>Subsoil texture:</b> medium clay.
Features	Free draining. Ironstone nodules in subsoils.

Water availability

Low

Fertility

Variable, generally low. Low nitrogen (1 mg/kg); low phosphorus (4 mg/kg); low potassium (0.1 cmol /kg).

Salinity

Non-saline

Sodicity

Non-sodic

pH

Neutral (6.4) at surface; increasing acidity down the profile.

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

Based on fully watered area for 1AE = 450 kg animal consuming 8kg DM/day				
Median annual rainfall 692 – 927 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	1580 - 2610	20%	5.6 – 9.2
	9 TBA 22 FPC	630 - 1440	20%	10 – 23

### Enterprise

Breeding herds.

### Land use and management recommendations

- Suitable for grazing of native pastures.
- Rotational wet seasons spelling to maintain perennial pasture composition.
- Manage grazing pressure to ensure at least 50% ground cover at break of season.
- Strategic burning (late dry hot burn) to manage woody thickening (e.g. breadfruit, wattles).
- Native pastures need to be burnt prior to over-sowing with stylos.

### Land use limitations

- Timber thickening limits pasture productivity.
- Low fertility limits possibilities for sown grasses.
- Phosphorus supplements are required in wet season.

### Conservation features and related management

- The vulnerable plant species *Jedda multicaulis* and rare species *Gardenia scabrella*, *Acacia ommatosperma* and *Labichea brassii* may occur in this land type.

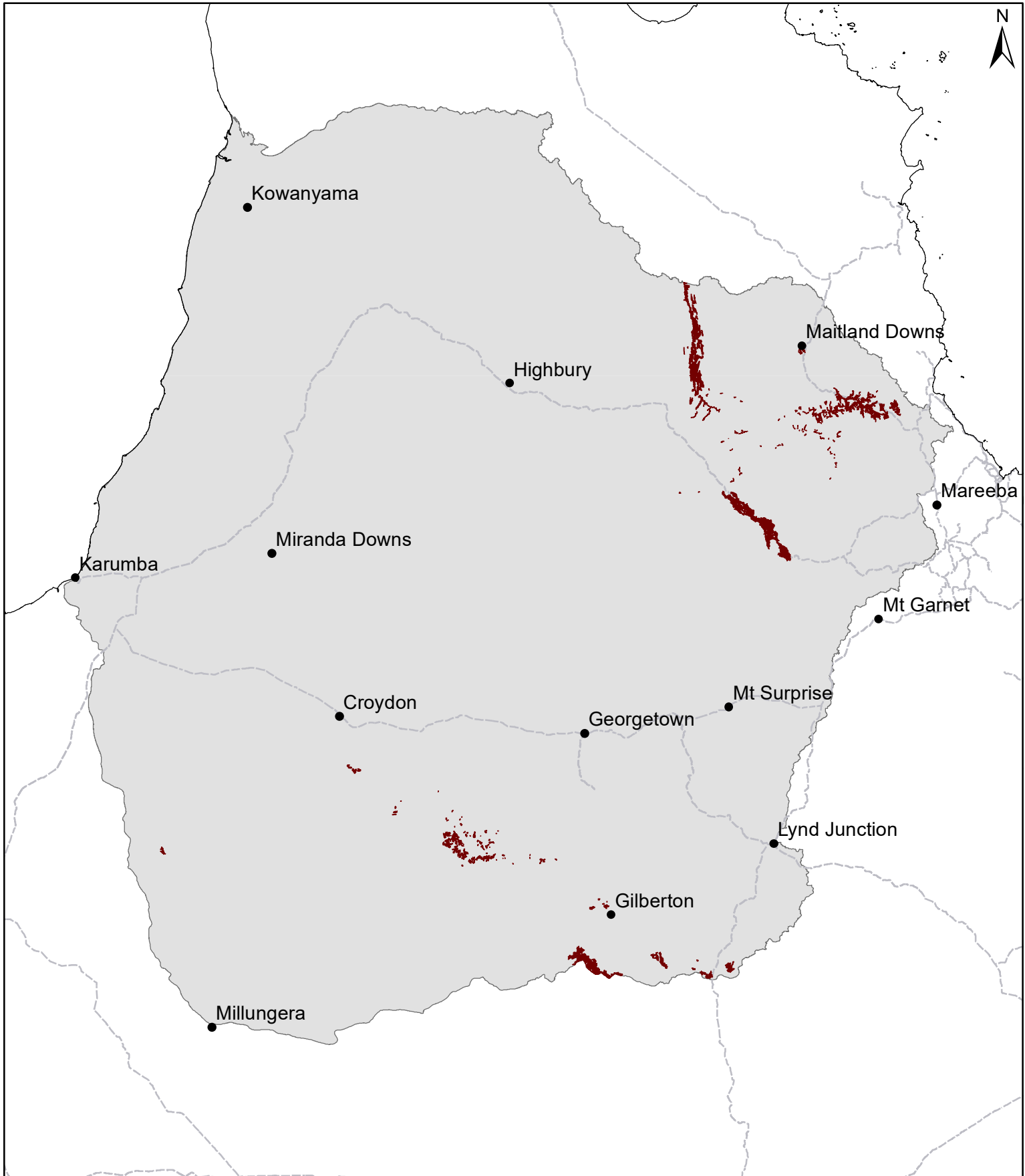
### Regional Ecosystems

2.10.1a, 2.10.4b, 2.11.1a-b, 2.5.1a-b, 2.5.24a-c, 2.5.25, 9.11.13, 9.3.2.

### Land system, Local Pasture Unit

Karoon (2), Boorooman (4), Yanman (25), Glenharding (26), Lyall (32) (Perry *et al* 1964); LPU 28, 41 (Tohill and Gillies 1992).

# NG11 Red earths



Area of land type in region: 0.5%  
Median rainfall (region): 544 – 1297 mm  
Average rainfall (region): 580 – 1370 mm  
Area of land type with FPC: 82%  
Median FPC: 22%  
Median TBA: 9 m<sup>2</sup>/ha



**Queensland**  
Government