## **Red basalt**



Landform

Irregular stony plains and low hills.

**Woody vegetation** 

Narrow-leaved ironbark woodlands with gum-topped bloodwood, ghost gum, grevilleas.

Expected pasture composition

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

Preferred

Black speargrass, kangaroo grass, forest bluegrass, Queensland bluegrass, giant speargrass.

Intermediate

Silky browntop, lemon-scented grass, gulf bluegrass, pitted bluegrass, plume sorghum, Indian couch\*.

Non-preferred

Wiregrasses.

Annual grasses

Fire grass, comet grass, lovegrasses.

Suitable sown pastures

Buffel grass, leucaena, Angleton bluegrass, creeping bluegrass, Caatinga stylo, desmanthus, butterfly pea.

**Introduced weeds** 

Rubbervine, lantana, grader grass.

Soil

Red brown clay loams (euchrozems, krasnozems).



Description

**Surface:** Usually stony; **Surface texture:** clay loam; **Subsoil texture:** clay loam to medium clay.

**Features** 

Free draining and high fertility. Rocks throughout profile.

Water availability

Moderate to high.

**Fertility** 

High; high nitrogen (14 mg/kg); high phosphorus (40 mg/kg); high potassium (0.6 cmol /kg)

Salinity

Non-saline

Sodicity

Non-sodic

рΗ

Neutral to slightly acid (6.8) throughout 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 716 – 742 mm				
Pasture type	Median tree cover	Median annual pasture growth	Safe annual utilisation pasture growth	LTCC
	(TBA m²/ha) (FPC %)	(DM kg/ha)	(%)	(ha/AE)
Native species	0 TBA/FPC	1080 - 1890	30%	5.2 – 9.0
	7 TBA 18 FPC	360 - 760	30%	13 – 27

#### **Enterprise**

Breeding and growing.

# 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. eucalypts).
- Salt and sulphur supplements required in wet season.

#### Land use limitations

Rocks throughout profile.

### Conservation features and related management

• Subject to weed infestation by rubbervine (*Cryptostegia grandiflora*), lantana and grader grass (*Themeda quadrivalvis*).

#### **Regional Ecosystems**

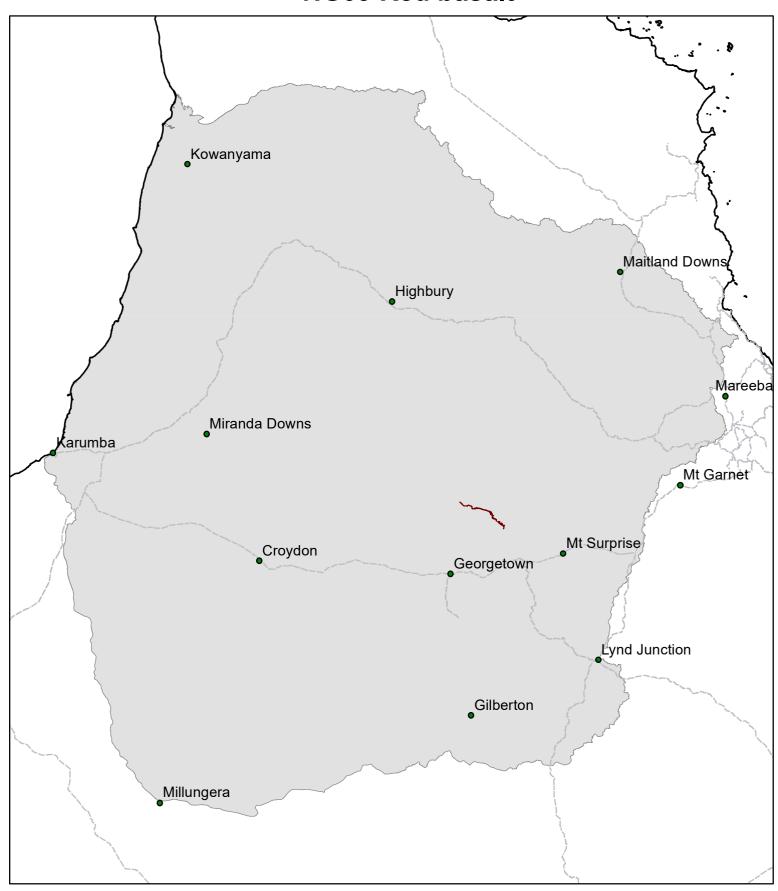
7.8.7a, 9.8.1a.

Land system, Local Pasture Unit

Boonderoo (60) (Perry et al 1964); LPU 28 (Tothill and Gillies 1992).



### NG09 Red basalt



Area of land type in region: 0.01% Median rainfall (region): 544 – 1297 mm Average rainfall (region): 580 – 1370 mm

Area of land type with FPC: 96%

Median FPC: 18% Median TBA: 7 m2/ha

