Gilgaied stony country



General description	Flat to gently undulating plains, low hills and scarp slopes supporting open seasonal forbland (often saltbush or copperburr) on desert loam soils with dense iron-stone or gidgee stone cover. Barley Mitchell and other perennial grasses confined to depressions, gilgais and drainage lines. Developing sand dunes often present as circular patches of very shallow sand deposits.				
Landform	Flat to gently undulating plains, low hills and scarp slopes.				
Woody vegetation	Mimosa bush, Georgina gidgee in drainage lines or run-on areas.				
Expected pasture composition	* Denotes non-native "Expected Pasture Composition" species.				
Preferred	Barley Mitchell grass in gilgais, buffel grass* (naturalised) on shallow sand deposits.				
Intermediate	Lovegrasses, five-minute grass, knottybutt grass, katoora, bottlewasher grasses.				
Non-preferred	Feathertop wiregrass.				
Annual grasses	Kerosene grass (non-preferred).				
Common forbs	Desert rice-flower (pimelea), swamp pimelea, pigweed, pink mulla-mulla, silky copperburr, sida, bladder saltbush, copperburrs, gidgee burrs, red spinach, soda bush, potato bush, tarvine, parakeelya.				
Suitable sown pasture	Not suitable for sown pastures.				
Introduced weeds	None				
Soil	Predominately deep desert loams with dense ironstone / silcrete / lateritic gravel cover. Very weak gilgais may form. Surface crusting clays overlying soft powdered clays. Minor red, non-cracking clays present.				
Description	Surface : Abundant silcrete cover, Surface texture : fine sandy loam to clay loam and soft powdery clay, Subsoil texture : medium clay				
Features	Mantled pediments, fresh rock and deeply weathered rock and clay plains.				
Land types of Queensla	nd States and States a				

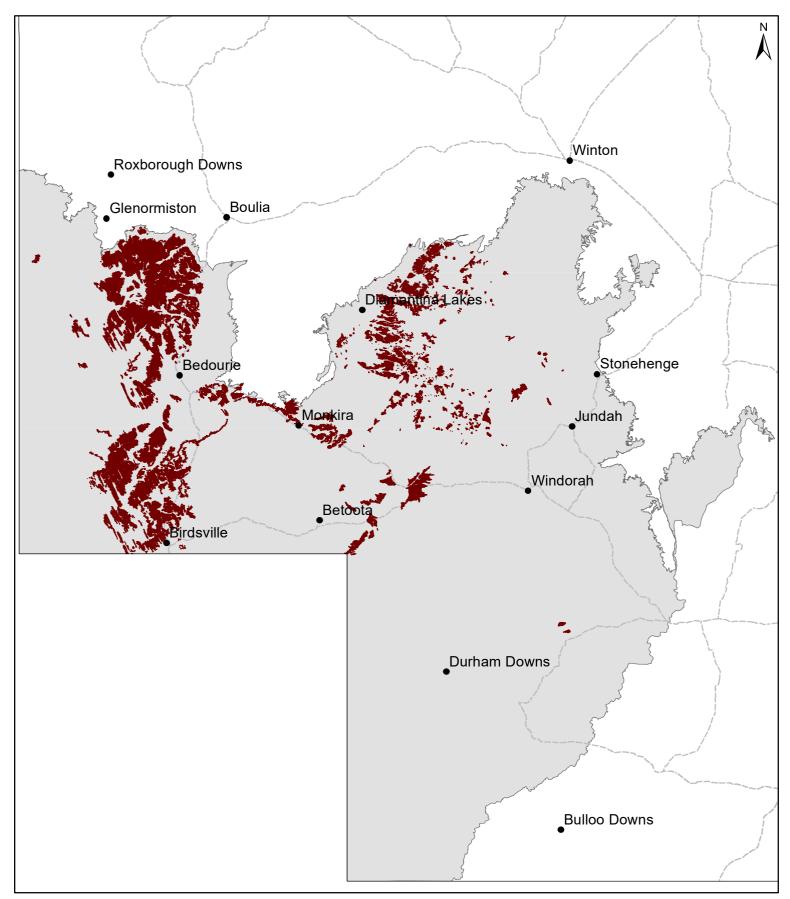
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Water availability	Low to very low increasing to moderate within gilgais.						
Rooting depth	Shallow, limited by strong sodicity increasing to moderate within gilgais.						
Infiltration	Moderate initially on a dry soil profile, slowing to low levels after 10 mm of rain as topsoil is saturated. High run-off following 10 mm of rain. Estimates based on low to moderate intensity storm rain. Run-off contributes to total water availability in gilgais and run-on areas which comprise about 5–10% of the land type.						
Fertility	Low, increasing to moderate within gilgais and run-on areas.						
Salinity	Crusted soils high in salinity throughout whilst non-crusted soils low salinity at the surface increasing to high at depth.						
Sodicity	Strongly sodic throughout.						
рН	Slightly acid sar	ndy to clay loam	overlying neutral	to alkaline mediur	n clay soil.		
Long-term carrying	Based on fully watered area for 1AE = 450 kg animal consuming 8kg DM/day						
capacity information (A condition)	Median annual rainfall 151 – 233 mm						
conditiony	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	100 - 370	15%	53 - 195		
		2 TBA 5 FPC	30 - 180	15%	108 – 649		
Enterprise Land use and management recommendations	 Breeding and seasonal growing out of weaners. Suitable for seasonal grazing of native pastures. Rotational wet season spelling to maintain perennial pasture composition. 						
recommendations	Avoid disturbing stone cover to minimise erosion risk.						
Land use limitations	 Low productivity overall; limited to barley Mitchell grass and annual pastures in gilgais and drainage lines. Pasture availability is strongly seasonal, limited perennial carryover. 						
	• Areas of highly dispersive clays susceptible to sheet and gully erosion and scalding if stone cover is disturbed.						
	 Responds quickly to rainfall, tending towards forbs in winter and grasses in summer. 						
Conservation	 Some locali 	sed sheet erosi	on				
features and related	 Some Georgina gidgee dieback in areas. 						
management	 Habitat for threatened fauna including kowari. 						
Regional Ecosystems	5.7.10x1, 5.7.8x1, 5.9.1x1, 5.9.4x2, 5.9.5, 5.9.5x1, 5.9.5x2.						
WARLUS Part	Ι	Ш	111	IV	V VI		
Land systems					P2		
Lana Systems					ΓZ		



CC10 Gilgaied stony country



Area of land type in region: 6% Median rainfall (region): 151 – 390 mm Average rainfall (region): 187 – 429 mm Area of land type with FPC: 4% Median FPC: 5% Median TBA: 2 m2/ha

