Project Name: FGR
Project Code: FGR **Site ID:** TL41 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: J.R. Sleeman
Date Desc.: 01/01/53
Map Ref.:
Northing/Long.: 144.666666666667
Easting/Lat.: -20.75
Locality: 2km north of Baronta:
Elevation: 427 metres
Rainfall: 432
Runoff: Slow
Drainage: Imperfectly drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Sandstone

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: No Data
Elem. Type: Plain
Slope: 0 %
Pattern Type: Plain
Relief: No Data
Slope Category: Level
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Gn2
Great Soil Group: Yellow earth

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Mid-dense. *Species includes - Aristida inaequiglumis
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.13 m	Brown (10YR5/3-Dry); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; Diffuse change to -
A2	0.13 - 0.3 m	Reddish yellow (7.5YR6/6-Dry); ; Loamy sand; Massive grade of structure; Dry; Very weak consistence; Diffuse change to -
B1	0.3 - 0.43 m	Reddish yellow (7.5YR7/8-Dry); ; Sandy clay loam; Massive grade of structure; Dry; Firm consistence; Diffuse change to -
B21	0.43 - 0.61 m	Brownish yellow (10YR6/6-Dry); , 10YR78; Sandy clay loam; Massive grade of structure; Dry; Strong consistence; Diffuse change to -
B22	0.61 - 0.91 m	, 10YR78; , 10R46; Sandy light clay; Dry; Strong consistence; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Diffuse change to -
B3	1.07 - 1.37 m	; Light clay; Dry; Very strong consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

NOT PENETRABLE BY AUGER AT 137CM:

Site Notes

PRARIE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.13	6.7A	0.005A	2.2K	0.3	0.15	0.08	1.5B			
0.13 - 0.3	6.5A	0.004A								
0.3 - 0.43	6.2A	0.004A	0.6K	1	0.17	0.04	1.3B			
0.43 - 0.61	6.2A	0.004A								
0.61 - 0.91	6A	0.004A	1.4K	1.2	0.18	0.03	2B			
1.07 - 1.37	6.2A	0.005A	1.1K	2.6	0.06	0.06	1.8B			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.13		0.42D	4B	0.007C	0.019A				47D	29	7	7
0.13 - 0.3		0.19D	5B	0.006C	0.014A				51D	30	6	12
0.3 - 0.43									53D	29	3	15
0.43 - 0.61									45D	29	4	21
0.61 - 0.91									50D	22	1	25
1.07 - 1.37									50D	22	8	19

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m		g/g - m3/m3						mm/h	mm/h
0 - 0.13									
0.13 - 0.3									
0.3 - 0.43									
0.43 - 0.61									
0.61 - 0.91									
1.07 - 1.37									

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Laboratory Analyses Completed for this profile

15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
15G_C_AL1	Exchangeable aluminium - meq per 100g of soil - Aluminium By difference of C and A or B
2_LOI	Loss on Ignition (%)
2A1	Air-dry moisture content
3A1	EC of 1:5 soil/water extract
4A1	pH of 1:5 soil/water suspension
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9A_HCLP2O5	Total element - P(%) - By boiling HCl(P2O5)
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
P10_PB_C	Clay (%) - Plummet balance
P10_PB_CS	Coarse sand (%) - Plummet balance
P10_PB_FS	Fine sand (%) - Plummet balance
P10_PB_Z	Silt (%) - Plummet balance