

Project Name: FGR
Project Code: FGR **Site ID:** TL27 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	J.R. Sleeman	Locality:	2km SE of Rosella Homestead.
Date Desc.:	14/09/53	Elevation:	606 metres
Map Ref.:		Rainfall:	660
Northing/Long.:	144.5	Runoff:	No Data
Easting/Lat.:	-18.4166666666667	Drainage:	Very poorly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	No Data
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Ug5.14
		Great Soil Group:	Prairie soil

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Mid-dense. *Species includes - Ophiurus exaltatus

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.01 m	Dark grey (10YR4/1-Dry); ; Light clay; Strong grade of structure, 2-5 mm, Subangular blocky; Dry; Weak consistence; Very plastic; 0-2%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments; Sharp change to -
A12	0.01 - 0.23 m	Dark grey (10YR4/1-Dry); ; Light medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Dry; Weak consistence; Very plastic; 0-2%, fine gravelly, 2-6mm, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Diffuse change to -
B21	0.23 - 0.38 m	Brown (7.5YR4/2-Dry); ; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Moist; Firm consistence; Very plastic; 0-2%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Diffuse change to -
B22	0.38 - 0.46 m	Brown (7.5YR4/2-Dry); ; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Moist; Firm consistence; Very plastic; 0-2%, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Diffuse change to -
	0.46 - 0.7 m	Brown (7.5YR4/2-Dry); ; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Firm consistence; Very plastic; 0-2%, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Diffuse change to -
BC	0.71 - 0.91 m	Brown (7.5YR4/2-Dry); ; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Moist; Firm consistence; Very plastic; 0-2%, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions;

Morphological Notes

Observation Notes

LAYERS RE NUMBERED 16/10/92

Site Notes

ROSELLA PLAINS

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.01	7.1A	0.027A	41.2K	30.4	1.1	0.15	9.7B			
0.01 - 0.23	7.2A	0.011A								
0.23 - 0.38	7.5A	0.011A	45.6K	31.8	0.3	0.29	7.2B			
0.38 - 0.71	7.4A	0.012A								
0.71 - 0.91	7.9A	0.017A	46.2K	34.1	0.52	0.31	4.7B			

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
0 - 0.01		1.7D	2000B		0.1A			4			11	73
0.01 - 0.23			1800B		0.073A			7	5D	9	10	74
0.23 - 0.38		1D						11			9	77
0.38 - 0.71								15				
0.71 - 0.91	0.02C	0.9D						9			8	78

[illegible]

Project Name: FGR
Project Code: FGR **Site ID:** TL27 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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
5A2	Chloride - 1:5 soil/water extract, automated colour
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A2	Total nitrogen - semimicro Kjeldahl , automated colour
9G_BSES	Available P (mg/kg) - Acid P - 0.005M H2SO4 (BSES)
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded
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