

Project Name: FGR
Project Code: FGR **Site ID:** TL28 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By:	J.R. Sleeman	Locality:	10km west of Forest Home Homestead.
Date Desc.:	01/08/53	Elevation:	151 metres
Map Ref.:		Rainfall:	686
Northing/Long.:	143.05	Runoff:	No Data
Easting/Lat.:	-18.25	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	Pattern Type:	No Data
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Gently inclined
Slope:	0 %	Aspect:	No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn2.15
		Great Soil Group:	Red earth

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus tetrodonta, Eucalyptus polycarpa

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.08 m	Yellowish red (5YR5/6-Dry); ; Sand; Moderate grade of structure, 50-100 mm, Subangular blocky; Dry; Weak consistence; Diffuse change to -
A12	0.08 - 0.2 m	Red (2.5YR5/6-Dry); ; Sand; Moderate grade of structure, 50-100 mm, Subangular blocky; Dry; Weak consistence; Diffuse change to -
A2	0.2 - 0.58 m	Red (2.5YR5/8-Dry); ; Sand; Moderate grade of structure, 50-100 mm, Subangular blocky; Dry; Weak consistence; Very plastic; Diffuse change to -
B21	0.58 - 0.99 m	Dark red (10R3/6-Dry); ; Sandy light clay; Moderately moist; Very firm consistence; Very plastic; Diffuse change to -
B22	0.99 - 1.52 m	Dark red (10R3/6-Dry); ; Sandy medium clay; Moderately moist; Very firm consistence; Very plastic; Diffuse change to -
B23	1.52 - 1.77 m	Dark red (10R3/6-Dry); ; Medium clay; Moderately moist; Very firm consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Diffuse change to -

Morphological Notes

Observation Notes

Site Notes

CROYDON

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 - 0.08	6.6A	0.005A								
0.08 - 0.2	6.7A	0.003A	0.7K	0.2	0.07	0.05	0.2B			
0.2 - 0.58	6.9A	0.005A								
0.58 - 0.99	6.4A	0.005A								
0.99 - 1.52	6.1A	0.005A								
1.52 - 1.77	6.1A	0.005A	1.3K	1.5	0.15	0.05	1.6B			

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.08			50B					2	63D	27	4	4
0.08 - 0.2		0.15D	40B		0.009A			3	68D	28	4	3
0.2 - 0.58								4				
0.58 - 0.99		0.1D						4	51D	23	4	20
0.99 - 1.52								4				
1.52 - 1.77		0.1D						6	45D	20	4	31

[illegible]

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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
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_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