Project Name: FGR
Project Code: FGR **Site ID:** TL26 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: J.R. Sleeman
Date Desc.: 09/07/53
Map Ref.:
Northing/Long.: 145.083333333333
Easting/Lat.: -18.25
Locality: 5km south of Glen Harding Homestead.
Elevation: 696 metres
Rainfall: 762
Runoff: No Data
Drainage: Poorly drained

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: 0 %
Pattern Type: No Data
Relief: No Data
Slope Category: No Data
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: Uf6.31
Great Soil Group: Euchrozem

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

Vegetation:

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus leptophleba

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	Brown (10YR4/3-Dry); ; Light clay; Weak grade of structure, 2-5 mm, Subangular blocky; Dry; Firm consistence; Very plastic; , Manganiferous, Fine (0 - 2 mm), Concretions;
B1	0.05 - 0.1 m	Brown (10YR4/3-Dry); , 7.5YR44; Light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Dry; Firm consistence; Very plastic; , Manganiferous, Fine (0 - 2 mm), Concretions;
B2	0.15 - 0.38 m	Yellowish brown (10YR5/8-Dry); , 2.5Y44, 2-10% , 5-15mm, Distinct; , 2-10% , 5-15mm, Distinct; Light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Moderately moist; Firm consistence; Very plastic; , Manganiferous, Fine (0 - 2 mm), Concretions;

Morphological Notes

Observation Notes

Site Notes

GLEN HARDING

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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 - 0.05	6.6A	0.018A	13.3K	8.7	0.7	0.12	11.2B			
0.05 - 0.1	6A	0.013A								
0.1 - 0.38	6.6A	0.007A	10.2K	9	0.18	0.22	9.2B			

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 - 0.05		2.74D	810B		0.15A			20		15	23	34
0.05 - 0.1			430B		0.06A			20			16	49
0.1 - 0.38		0.5D						23			5	67

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 - 0.05									
0.05 - 0.1									
0.1 - 0.38									

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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_NR_C	Clay (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded