Project Name: FGR
Project Code: FGR **Site ID:** TL34 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: J.R. Sleeman
Date Desc.: 21/08/53
Map Ref.:
Northing/Long.: 139.833333333333
Easting/Lat.: -18.8333333333333
Locality: 13km south-east of Nardoo Homestead:
Elevation: 76 metres
Rainfall: 530
Runoff: No Data
Drainage: Poorly drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Unconsolidated material (unidentified)

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Alluvial 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: Dr4.52
Great Soil Group: Red-brown earth

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

Vegetation: Low Strata - Hummock grass, , Mid-dense. *Species includes - Aristida inaequiglumis
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.15 m	Yellowish brown (10YR5/4-Dry); ; Silty clay loam; Weak grade of structure, 2-5 mm, Angular blocky; Dry; Very firm consistence; 0-2%, coarse fragments; Very few (0 - 2 %), Manganiferous, , Concretions; Abrupt change to -
B21	0.15 - 0.28 m	Dark reddish brown (5YR3/3-Dry); ; Silty medium clay; Weak grade of structure, 2-5 mm, Subangular blocky; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, coarse fragments; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Concretions; Diffuse change to -
B22	0.28 - 0.56 m	Dark reddish grey (5YR4/2-Dry); ; Silty medium clay; Massive grade of structure; Dry; Very firm consistence; Diffuse change to -
B	0.76 - 1.37 m	Reddish brown (5YR4/4-Dry); ; Silty medium clay; Massive grade of structure; Dry; Very firm consistence;

Morphological Notes

Observation Notes

Site Notes

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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 - 0.15	6.2A	0.009A	7K	4.5	0.58	0.2	6.1B			
0.15 - 0.28	6.9A	0.008A	11K	8.7	0.35	0.52	6.2B			
0.28 - 0.56	7.2A	0.013A								
0.76 - 1.37	8.5A	0.102A	10.7K	9.8	0.41	2.2				

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 - 0.15		0.82D	420B		0.056A				9D	33	36	19
0.15 - 0.28		0.7D	380B		0.045A						31	35
0.28 - 0.56											29	38
0.76 - 1.37	0.07C								5D	37	23	32

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 - 0.15									
0.15 - 0.28									
0.28 - 0.56									
0.76 - 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
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_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