Project Name: WQR
Project Code: WQR **Site ID:** B136 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.D. Hubble
Date Desc.: 08/08/51
Map Ref.: Sheet No. : 7058 1:100000
Northing/Long.: 140.688888888889
Easting/Lat.: -19.5736111111111
Locality:
Elevation: 85 metres
Rainfall: 500
Runoff: Slow
Drainage: Moderately well drained

Geology

ExposureType: Soil pit
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 2 m deep,Porous, Unconsolidated material (unidentified)

Land Form

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

Surface Soil Condition (dry): Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:
Epicalcareous-Endohypersodic Self-Mulching Brown Vertosol
Mapping Unit: N/A
Principal Profile Form: Ug5.34

ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: Brown clay

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

Vegetation: Low Strata - Tussock grass, , Mid-dense. *Species includes - Astrebla species
Tall Strata - Tree, , Isolated plants. *Species includes - Atalaya hemiglauca

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Brown (7.5YR5/4-Moist); ; Medium clay; Strong grade of structure, Granular; Extremely coarse, (50 - 100) mm crack; Dry; Loose consistence; Field pH 7.9 (pH meter); Clear change to -
B2	0.08 - 0.38 m	Brown (7.5YR5/4-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Extremely coarse, (50 - 100) mm crack; Dry; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.4 (pH meter); Gradual change to -
B2	0.38 - 0.76 m	Brown (7.5YR4/3-Moist); ; Heavy clay; Moderate grade of structure, Angular blocky; Extremely coarse, (50 - 100) mm crack; Moderately moist; Firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.9 (pH meter); Gradual change to -
B2	0.76 - 1.32 m	Reddish brown (5YR4/3-Moist); ; Heavy clay; Moderate grade of structure, Lenticular; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.6 (pH meter); Gradual change to -
B2	1.32 - 1.68 m	Reddish brown (5YR4/3-Moist); , 5YR56; Medium heavy clay; Moderate grade of structure, Lenticular; Moist; Weak consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; Field pH 8.7 (pH meter);

Morphological Notes

Observation Notes

Site Notes

CANOBIE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.08	7.9H	0.02B								
0.08 - 0.38	8.4H	0.02B								
0.38 - 0.76	8.9H	0.06B								
0.76 - 1.32	8.6H	0.38B								
1.32 - 1.68	8.7H	0.41B								

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 - 0.08			8C									
0.08 - 0.38												
0.38 - 0.76												
0.76 - 1.32												
1.32 - 1.68												

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 - 0.08									
0.08 - 0.38									
0.38 - 0.76									
0.76 - 1.32									
1.32 - 1.68									

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Laboratory Analyses Completed for this profile

2A1	Air-dry moisture content
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
5_NR	Water soluble Chloride - Cl(%) - Not recordede
9_NR	Available P (mg/kg) - Not recorded