Project Name: RR
Project Code: RR **Site ID:** B272 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (QLD)

Site Information

Desc. By: G.D. Hubble
Date Desc.: 14/10/55
Map Ref.: Sheet No. : 8644 1:100000
Northing/Long.: 149.983333333333
Easting/Lat.: -26.6611111111111
Locality:
Elevation: 326 metres
Rainfall: 648
Runoff: Moderately rapid
Drainage: Imperfectly drained

Geology

ExposureType: Soil pit
Geol. Ref.: Klc
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Auger boring, 1 m deep,Detrital sedimentary rock (unidentified)

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Morph. Type: No Data
Elem. Type: Plain
Slope: 0 %
Pattern Type: Plain
Relief: 15 metres
Slope Category: No Data
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Calcic Subnatric Brown Sodosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Db1.13
Great Soil Group: Solodic soil

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Casuarina cristata, Eucalyptus populnea, Geijera parviflora

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Fine sandy loam; Weak grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; Field pH 8.1 (pH meter); Gradual change to -
B2	0.15 - 0.25 m	Dark yellowish brown (10YR4/4-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Weak grade of structure, 20-50 mm, Angular blocky; Moist; Firm consistence; Moderately plastic; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, , Soft segregations; Field pH 9.2 (pH meter); Clear change to -
B2	0.46 - 0.76 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Weak grade of structure, 20-50 mm, Angular blocky; Moderately moist; Very firm consistence; Few (2 - 10 %), Calcareous, , Soft segregations; Field pH 9 (pH meter); Gradual change to -
B2	0.91 - 1.14 m	Yellowish red (5YR5/6-Moist); ; Medium clay; Massive grade of structure; Moderately moist; Very firm consistence; Field pH 8.8 (pH meter);

Morphological Notes

Observation Notes

Site Notes

ROMA

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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	8.1H	0.05B	14.2K	3.3	0.88	0.21	1D			
0.15 - 0.25	9.2H	0.12B	8.6K	16.2	1.3	4				
0.46 - 0.76	9H	0.49B	6.2K	13	0.19	6.8				
0.91 - 1.14	8.8H	0.43B								

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	0.17C	1.76A	55C	0.06F	0.18B			0	3C	56	17	20
0.15 - 0.25	0.08C	0.56A						0	2C	41	12	44
0.46 - 0.76	11.9C	0.19A						0	1C	37	10	39
0.91 - 1.14	0.35C	0.08A		0.023F				0	0.7C	44	14	40

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 - 0.25									
0.46 - 0.76									
0.91 - 1.14									

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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_H	Hydrogen Cation - 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
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
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
6A1	Organic carbon - Walkley and Black
7_NR	Total nitrogen (%) - Not recorded
9_NR	Available P (mg/kg) - Not recorded
9A_NR	Total element - P(%) - Not recorded
P10_GRAV	Gravel (%)
P10_NR_C	Clay (%) - Not recorded
P10_NR_CS	Coarse sand (%) - Not recorded
P10_NR_FS	Fine sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded