Project Name: RR
Project Code: RR **Site ID:** B544 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By: R. Paton
Locality: Lat. & Long. approximate 25 miles W. of Tenterfield. Clive 747058.
Date Desc.: 17/08/65
Elevation: 701 metres
Map Ref.: Sheet No. : 9239 1:100000
Rainfall: 0
Northing/Long.: 152
Runoff: Very rapid
Easting/Lat.: -29
Drainage: Well drained

Geology

ExposureType: Soil pit
Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data
Substrate Material: Soil pit, 0.3 m deep,No Data

Land Form

Rel/Slope Class: No Data
Pattern Type: Hills
Morph. Type: Upper-slope
Relief: No Data
Elem. Type: Hillslope
Slope Category: No Data
Slope: 3.5 %
Aspect: No Data

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
Basic Paralithic Orthic Tenosol
ASC Confidence:
All necessary analytical data are available.
Mapping Unit: N/A
Principal Profile Form: Um2.12
Great Soil Group: Lithosol

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Tall Strata - Tree, , Isolated plants. *Species includes - None Recorded

Surface Coarse Fragments: 50-90%, cobbly, 60-200mm, rounded,

Profile Morphology

A11	0 - 0.05 m	Brown (10YR5/3-Moist); ; Clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Moist; Weak consistence; 20-50%, cobbly, 60-200mm, rounded, Substrate material, coarse fragments; Field pH 6 (pH meter); Many, fine (1-2mm) roots; Clear change to -
A12	0.05 - 0.15 m	Brown (7.5YR5/4-Moist); ; Clay loam; Moderate grade of structure, 5-10 mm, Polyhedral; Moist; Weak consistence; 20-50%, cobbly, 60-200mm, rounded, Substrate material, coarse fragments; Field pH 5.9 (pH meter); Gradual change to -
A2	0.15 - 0.3 m	Light brown (7.5YR6/4-Moist); ; Clay loam; Massive grade of structure; Moist; Weak consistence; 50-90%, cobbly, 60-200mm, rounded, Substrate material, coarse fragments; Field pH 6.2 (pH meter); Clear change to -
C	0.3 - 0.41 m	; Field pH 6 (pH meter);

Morphological Notes

C Weathered palaeozoic conglomerate.

Observation Notes

Site Notes

TENTERFIELD

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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	6H	0.016B	2.6K	1.4	0.67	0.05	6.4D			
0.05 - 0.15	5.9H	0.007B	2.5K	1.3	0.52	0.13	3D			
0.15 - 0.3	6.2H	0.007B	2.7K	1.8	0.38	0.07	3D			
0.3 - 0.41	6H	0.007B								

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		1.4A	57C	0.042F	0.153B			30	35C	26	21	14
0.05 - 0.15		0.56A	11C	0.029F				54	29C	27	24	18
0.15 - 0.3			4C	0.024F				65	37C	26	23	14
0.3 - 0.41			3C									

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 - 0.15									
0.15 - 0.3									
0.3 - 0.41									

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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
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