

Project Name: NC
Project Code: NC **Site ID:** C454 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (NSW)

Site Information

Desc. By:	P.H. Walker	Locality:	Corner Yarrahapinni Road and Barbers Lane
Date Desc.:	06/12/60	Elevation:	350 metres
Map Ref.:	Sheet No. : 9436 1:100000	Rainfall:	1200
Northing/Long.:	152.927777777778	Runoff:	Moderately rapid
Easting/Lat.:	-30.75	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Steep mountains >300m 32-56%	Pattern Type:	Mountains
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Acidic Mesotrophic Red Dermosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	Prairie soil
All necessary analytical data are available.			

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

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

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A	0 - 0.2 m	Dark brown (7.5YR3/2-Moist); ; Clay loam (Heavy); Massive grade of structure; Moderately moist; Firm consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Quartz, coarse fragments; Field pH 5.8 (pH meter); Many
A	0.2 - 0.3 m	Dark brown (7.5YR3/3-Moist); ; Light clay (Heavy); Massive grade of structure; Dry; Weak consistence; 2-10%, coarse gravelly, 20-60mm, angular, dispersed, Quartz, coarse fragments; Field pH 5.8 (pH meter); Many
A	0.3 - 0.43 m	Brown (7.5YR4/2-Moist); , 2.5YR36, 20-50% ; , 20-50% ; Light clay (Heavy); Moderate grade of structure, 10-20 mm, Polyhedral; Moderately moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, angular, dispersed, Quartz, coarse fragments; Field pH 5.4 (pH meter); Common
B	0.43 - 0.66 m	Dark red (10R3/6-Moist); , 5YR56, 2-10% ; , 2-10% ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Moderately moist; Weak consistence; 2-10%, coarse gravelly, 20-60mm, angular, dispersed, Quartz, coarse fragments; Field pH 5.3 (pH meter); Few
B	0.66 - 1.04 m	Dark red (10R3/6-Moist); ; Heavy clay; Strong grade of structure, 10-20 mm, Subangular blocky; Moist; Very firm consistence; 0-2%, coarse gravelly, 20-60mm, angular, dispersed, Quartz, coarse fragments; Field pH 5 (pH meter);
B	1.07 - 1.52 m	Dark red (10R3/6-Moist); , 7.5YR44, 20-50% ; , 20-50% ; Heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Moist; Very firm consistence; 0-2%, angular, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferruginous, Coarse (6 - 20 mm), Nodules; Field pH 4.8 (pH meter);

Morphological Notes

Observation Notes

LOBE OF MASS MOVEMENT DETRITUS:WORM FILL TO 70CM

Site Notes

EUNGAI

Observation ID: 1

Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				+	(+)/kg			%
0 - 0.2	5.8A	0.024A	1.4K	0.92	0.14	0.21		13J		1.62
0.2 - 0.3	5.8A	0.024A								
0.3 - 0.43	5.4A	0.03A								
0.43 - 0.66	5.3A	0.03A	0.77K	2.3	0.2	0.18		9.4J		1.91
0.66 - 1.04	5A	0.036A								
1.07 - 1.52	4.8A	0.039A	0.1K	1.7	0.13	0.16		8.1J		1.98

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
0 - 0.2		2.8F			0.129B			1	9D	19	39	30
0.2 - 0.3								8	6D	17	34	41
0.3 - 0.43								6	5D	15	29	48
0.43 - 0.66		0.63F			0.034B			12	5D	12	20	61
0.66 - 1.04												
1.07 - 1.52								1	6D	8	11	74

[illegible]

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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_CEC	CEC - 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
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
6_DC	Organic carbon (%) - Dry combustion
7_NR	Total nitrogen (%) - Not recorded
P10_GRAV	Gravel (%)
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