Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN5** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: G. W. Geeves
Date Desc.: 22/06/88
Map Ref.: Sheet No. : 8327 1:100000
Northing/Long.: 6112400 AMG zone: 55
Easting/Lat.: 528500 Datum: AGD66
Locality:
Elevation: 200 metres
Rainfall: No Data
Runoff: Rapid
Drainage: Moderately well drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10%
Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 5 %
Pattern Type: Low hills
Relief: 30 metres
Slope Category: Gently inclined
Aspect: 140 degrees

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: DY3.21
Great Soil Group: N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.13 m	Reddish brown (5YR4/4-Moist); ; Clay loam, fine sandy;
A2	0.13 - 0.3 m	Yellowish red (5YR4/6-Moist); Light reddish brown (5YR6/4-Moist); ; Clay loam, fine sandy; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.5 m	Yellowish red (5YR5/8-Moist); , 5YR46, 10-20% , 5-15mm, Distinct; Medium clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B22	0.5 - 0.8 m	Brownish yellow (10YR6/6-Moist); , 2.5YR58, 20-50% , 5-15mm, Distinct; Light medium clay;

Morphological Notes

A2 Pale A2.
B21 Mottles assoc with round hard concretions.

Observation Notes

Soil Con. Research Stn. Simple midslope, cult/grazing paddock, poor cover, clover & grasses, 15m box trees, no erosion evident. Pale A2 weak. Texture contrast, no CO3.

Site Notes

Wagga Wagga

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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 - 0.1	4.42B		2.66K	0.65	0.48	0.03				
0.1 - 0.2	4.83B		2.89K	0.67	0.27	0.05				
0.2 - 0.3	5.44B		3.8K	1.03	0.23	0.08				
0.3 - 0.4	5.92B		4.25K	1.71	0.22	0.13				
0.4 - 0.5	6.16B									
0.7 - 0.8	4.79B									

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 - 0.1												
0.1 - 0.2												
0.2 - 0.3												
0.3 - 0.4												
0.4 - 0.5												
0.7 - 0.8												

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 - 0.1										
0.1 - 0.2										
0.2 - 0.3										
0.3 - 0.4										
0.4 - 0.5										
0.7 - 0.8										

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Laboratory Analyses Completed for this profile

13_NR_AL	Extractable Al(%) - Not recorded
13_NR_MN	Extractable Mn(%) - Not recorded
15_NR_AL	Exchangeable aluminium - method not recorded
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
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct