Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN130** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: G. W. Geeves
Date Desc.: 28/09/88
Map Ref.: Sheet No. : 8327 1:100000
Northing/Long.: 6099300 AMG zone: 55
Easting/Lat.: 523100 Datum: AGD66
Locality:
Elevation: 125 metres
Rainfall: No Data
Runoff: Slow
Drainage: Imperfectly 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: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 0 %
Pattern Type: Rises
Relief: 5 metres
Slope Category: Level
Aspect: No Data

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: UM6.12
Great Soil Group: N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Sod grass, <0.25m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

CLp	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam; Very few (0 - 2 %), Ferruginous, Fine (0 - 2 mm), Nodules;
A3	0.1 - 0.3 m	Brown (10YR4/3-Moist); ; Clay loam; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.5 m	Brown (10YR4/3-Moist); ; Clay loam, sandy; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
B22	0.5 - 0.8 m	Greyish brown (10YR5/2-Moist); , 10YR54, 20-50% , 5-15mm, Distinct; Clay loam, sandy;

Morphological Notes

B22 Charcoal?

Observation Notes

Flat grazing paddock, clover>grass>capeweed. No CO3, Yellow Earth?

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	4.92B		4.63K	1.71	0.58	0.05				
0.1 - 0.2	4.99B		5.17K	1.84	0.55	0.06				
0.2 - 0.3	5.23B		5.38K	1.83	0.45	0.08				
0.3 - 0.4	5.33B		4.83K	1.75	0.38	0.08				
0.4 - 0.5	5.34B									
0.7 - 0.8	5.44B									

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