Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN78** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By:	G. W. Geeves	**Locality:**	
Date Desc.:	29/07/88	**Elevation:**	180 metres
Map Ref.:	Sheet No. : 8327 1:100000	**Rainfall:**	No Data
Northing/Long.:	6117100 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	535100 Datum: AGD66	**Drainage:**	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	Level plain <9m <1%	**Pattern Type:**	Plain
Morph. Type:	No Data	**Relief:**	1 metres
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	0 %	**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: UG5.2
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

A1	0 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Silty clay loam (Heavy);
B21	0.2 - 0.4 m	Greyish brown (10YR5/2-Moist); ; Light clay;
B22	0.4 - 0.8 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay (Light);

Morphological Notes

Observation Notes

Flat site on Murrumbidgee floodplain, grazing paddock possibly cropped. No carbonate, Grey Clay.

Site Notes

Wagga Wagga

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN78 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%
0 - 0.1	4.82B		8.53K	3.5	0.34	0.27				
0.1 - 0.2	4.93B		10.82K	4.62	0.21	0.42				
0.2 - 0.3	5.3B		7.18K	4.46	0.2	0.56				
0.3 - 0.4	5.73B		7.05K	8.1	0.32	1.18				
0.4 - 0.5	6.2B									
0.7 - 0.8	7.14B									

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										

Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN78** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

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