Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN158** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By:	G. W. Geeves	**Locality:**	
Date Desc.:	30/09/88	**Elevation:**	270 metres
Map Ref.:	Sheet No. : 8326 1:100000	**Rainfall:**	No Data
Northing/Long.:	6054300 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	518500 Datum: AGD66	**Drainage:**	Moderately well 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:	Undulating low hills 30-90m 3-10%	**Pattern Type:**	Low hills
Morph. Type:	Simple-slope	**Relief:**	40 metres
Elem. Type:	Footslope	**Slope Category:**	Very gently sloped
Slope:	2 %	**Aspect:**	30 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: DY3.41
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

Ap	0 - 0.1 m	Brown (10YR4/3-Moist); ; Fine sandy loam (Heavy); Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;
A2	0.1 - 0.3 m	Pinkish grey (7.5YR6/2-Moist); Pinkish grey (7.5YR7/2-Dry); ; Fine sandy loam (Heavy); Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.6 m	Yellowish brown (10YR5/5-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Sandy clay; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Yellowish brown (10YR5/5-Moist); , 2.5YR46, 20-50% , 5-15mm, Distinct; Sandy clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

A2	Conspicuous bleached A2.
B22	Manganese nodules.

Observation Notes

Reasonable grazing clover>grasses=capeweed, middle of longfootslope from hills 800m S. Duplex yellow profile, pale A2, no CO3. Yellow Podzolic.

Site Notes

Wagga Wagga

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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	4.27B		1.14K	0.28	0.25	0.05				
0.1 - 0.2	4.27B		0.65K	0.15	0.16	0.03				
0.2 - 0.3	4.4B		1.02K	0.31	0.16					
0.3 - 0.4	4.78B		2.21K	0.85	0.17	0.01				
0.4 - 0.5	5.38B									
0.7 - 0.8	5.86B									

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