Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN22** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By:	G. W. Geeves	**Locality:**	
Date Desc.:	23/06/88	**Elevation:**	245 metres
Map Ref.:	Sheet No. : 8327 1:100000	**Rainfall:**	No Data
Northing/Long.:	6099000 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	528600 Datum: AGD66	**Drainage:**	Poorly 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 rises 9-30m 3-10%	**Pattern Type:**	Low hills
Morph. Type:	Lower-slope	**Relief:**	20 metres
Elem. Type:	Footslope	**Slope Category:**	Very gently sloped
Slope:	2 %	**Aspect:**	320 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: DG2.42
Great Soil Group: N/A

Site Disturbance: Limited clearing, for example selective logging

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Fine sandy loam;
A2	0.1 - 0.45 m	Light grey (10YR7/2-Moist); Pinkish grey (7.5YR7/2-Dry); ; Fine sandy loam; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules;
B21	0.45 - 0.7 m	Light grey (2.5Y7/2-Moist); , 7.5YR58, 10-20% , 5-15mm, Faint; Sandy clay; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

A2 Bleached A2.

Observation Notes

TSR. Moderate cover of grasses, clover and weeds. 10m box trees. Toeslope from 20m hills 100m away. Duplex profile, thick bleached A2, solodic. Soloth.

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	4.77B		3.04K	0.73	0.8	0.02				
0.1 - 0.2	4.13B		0.5K	0.4	0.29	0.02				
0.2 - 0.3	4.43B		0.72K	0.59	0.22	0.02				
0.3 - 0.4	5.07B		1.08K	0.9	0.15	0.11				
0.45 - 0.5	4.62B									
0.6 - 0.7	4.62B									

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												
0.45 - 0.5												
0.6 - 0.7												

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										
0.45 - 0.5										
0.6 - 0.7										

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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