Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN184** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: G. W. Geeves
Date Desc.: 12/10/88
Map Ref.: Sheet No. : 8328 1:100000
Northing/Long.: 6165400 AMG zone: 55
Easting/Lat.: 512800 Datum: AGD66
Locality: Ganmain
Elevation: 230 metres
Rainfall: No Data
Runoff: Slow
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 plains <9m 3-10%
Morph. Type: Simple-slope
Elem. Type: Plain
Slope: 1 %
Pattern Type: Rises
Relief: 5 metres
Slope Category: Very gently sloped
Aspect: 220 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: Gn2.12
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:

Profile Morphology

Ap	0 - 0.1 m	Strong brown (7.5YR5/6-Moist); ; Fine sandy loam (Heavy); 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
AB	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam, fine sandy; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
B2	0.3 - 0.5 m	Yellowish red (5YR5/6-Moist); ; Clay loam, sandy; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Gradational red profile Red Earth

Site Notes

Grazing paddock. Clover = grasses. Owner FW Furner and Son "Illawong" RMB 598 Coolamon

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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	4.71B		4.22K	0.96	0.74					
0.1 - 0.2	5.32B		4.83K	1.21	0.64	0.01				
0.2 - 0.3	5.73B		4.76K	1.34	0.58					
0.3 - 0.4	6.03B		4.37K	1.63	0.49	0.03				
0.4 - 0.5	6.12B									

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												

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									

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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