Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN110** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: G. W. Geeves
Date Desc.: 11/08/88
Map Ref.: Sheet No. : 8428 1:100000
Northing/Long.: 6177400 AMG zone: 55
Easting/Lat.: 561000 Datum: AGD66
Locality:
Elevation: 320 metres
Rainfall: No Data
Runoff: Moderately rapid
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: Gently undulating rises 9-30m 1-3%
Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 1 %
Pattern Type: Rises
Relief: 10 metres
Slope Category: Very gently sloped
Aspect: 270 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: DR2.21
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 reddish brown (5YR3/3-Moist); ; Fine sandy loam (Heavy); 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
A2	0.2 - 0.4 m	Reddish brown (2.5YR4/4-Moist); Reddish brown (2.5YR5/4-Dry); ; Coarse sandy clay loam; 20-50%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments;
B21	0.4 - 0.5 m	Red (2.5YR4/6-Moist); ; Coarse sandy clay; 20-50%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments;

Morphological Notes

A2	Not bleached.
B21	No sample 70-80, too rocky

Observation Notes

Grazing paddock, grasses=clover=weeds. On lower slope of rocky ridge with a couple of cypress pines. Appears to be RBE with colluvial coarse gravel mixed throughout from rocky ridge. Farmer's best paddock, others are acidic. Red Podzolic.

Site Notes

Temora

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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	4.72B		5.24K	1.66	0.63	0.58				
0.1 - 0.2	4.57B		5.24K	1.6	0.3	0.57				
0.2 - 0.3	4.7B		2.93K	1.37	0.2	0.26				
0.3 - 0.4	4.62B		2.03K	1.85	0.2	0.36				
0.4 - 0.5	4.89B									

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