Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN9** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By:	G. W. Geeves	**Locality:**	
Date Desc.:	22/06/88	**Elevation:**	270 metres
Map Ref.:	Sheet No. : 8327 1:100000	**Rainfall:**	No Data
Northing/Long.:	6091700 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	507800 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 low hills 30-90m 3-10%	**Pattern Type:**	Low hills
Morph. Type:	Lower-slope	**Relief:**	20 metres
Elem. Type:	Footslope	**Slope Category:**	No Data
Slope:	4 %	**Aspect:**	300 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, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Fine sandy loam;
A2	0.12 - 0.28 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Fine sandy loam;
B2	0.28 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 2.5YR46, 20-50% , 30-mm, Distinct; , 2.5YR48, 20-50% , 30-mm, Distinct; Medium clay;

Morphological Notes

A2	Bleached A2.
B2	Comm. med.

Observation Notes

Simple toeslope from hills 700m away. Poorly drained grazing paddock, sorrel? And grass, poor cover, 15m box trees on road. Gleyed Podzol? Pale A2, texture contrast, gleyed features? No CO3. Yellow Podzolic

Site Notes

The Rock

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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	4.01B		0.83K	0.36	0.36	0.02				
0.1 - 0.2	4.14B		0.39K	0.32	0.17	0.03				
0.2 - 0.3	4.26B		0.3K	0.4	0.13	0.03				
0.3 - 0.4	4.45B		0.48K	5.22	0.5	0.44				
0.4 - 0.5	4.48B									
0.7 - 0.8	4.53B									

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