Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AN205** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By:	G. W. Geeves	**Locality:**	Pulletop
Date Desc.:	16/05/89	**Elevation:**	340 metres
Map Ref.:	Sheet No. : 8326 1:100000	**Rainfall:**	No Data
Northing/Long.:	6070700 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	527700 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 rises 9-30m 3-10%	**Pattern Type:**	Rises
Morph. Type:	Mid-slope	**Relief:**	30 metres
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	5 %	**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: Gn2.22
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	Dark brown (7.5YR3/4-Moist); ; Loam; 0-2%, fine gravelly, 2-6mm, angular, Chert, coarse fragments; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules; Gradual change to -
A3	0.1 - 0.4 m	Red (2.5YR4/6-Moist); ; Sandy clay loam; 0-2%, fine gravelly, 2-6mm, angular, Chert, coarse fragments; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common (10 - 20 %), Unidentified, Medium (2 -6 mm), Nodules; Gradual change to -
B21	0.4 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 2.5YR46, 10-20% , 0-5mm, Distinct; , 10YR72, 2-10% , 0-5mm, Distinct; Clay loam; 2-10%, medium gravelly, 6-20mm, angular, Chert, coarse fragments; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Common (10 - 20 %), Unidentified, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

Site Notes

Roger MacReadie. Trevellin.

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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	4.68B		5.34K	0.88	0.78	0.05				
0.1 - 0.2	5.3B		7.45K	0.19	0.4	0.05				
0.2 - 0.3	6.11B		10.62K	0.94	0.42	0.05				
0.3 - 0.4	6.45B		15.25K	1.71	0.41	0.04				
0.4 - 0.5	6.28B									
0.7 - 0.8	6.62B									

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												
0.4 - 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