

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN58 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	27/07/88	Elevation:	310 metres
Map Ref.:	Sheet No. : 8428 1:100000	Rainfall:	No Data
Northing/Long.:	6140700 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	552200 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 low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Mid-slope	Relief:	50 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	100 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	GN2.12
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;
A3	0.1 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
B21	0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Fine sandy clay; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 2.5YR58, 2-10% , 5-15mm, Distinct; Fine sandy clay; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

Allen Cousier. Grazing paddock, clover, phalaris, lucerne. Simple midslope 800m from crest of rolling hills.Red Earth.

Site Notes

June

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	5.05B		2.85K	0.44	0.73				
0.1 - 0.2	5.18B		5.32K	0.97	0.49	0.02			
0.2 - 0.3	5.56B		5.5K	1.23	0.33	0.03			
0.3 - 0.4	5.85B		5.7K	1.49	0.36	0.03			
0.4 - 0.5	6.02B								
0.7 - 0.8	6.33B								

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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