

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN222 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	June
Date Desc.:	17/05/89	Elevation:	390 metres
Map Ref.:	Sheet No. : 8428 1:100000	Rainfall:	No Data
Northing/Long.:	6138600 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	557500 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:	20 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	6 %	Aspect:	220 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	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	Dark brown (7.5YR3/4-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
B1	0.1 - 0.3 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam, fine sandy; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
B22	0.3 - 0.8 m	Red (2.5YR4/6-Moist); ; Sandy clay; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;

Morphological Notes

Observation Notes

P.F.P. Gn 2.15. Gradational red profile, bright red earth. Sandy influence maybe from granite. No CO₃, probably hardsetting, earthy fabric. Red earth podzolic intergrade.

Site Notes

Good cover of grasses and clover midslope 100 m. from crest of rolling rise.

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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	4.09B		1.07K	0.21	0.31				
0.1 - 0.2	4.32B		1.88K	0.31	0.24				
0.2 - 0.3	4.87B		3.34K	0.69	0.26	0.04			
0.3 - 0.4	5.32B		4.85K	1.21	0.23	0.04			
0.4 - 0.5	5.71B								
0.7 - 0.8	6.22B								

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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