

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN192 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	13/10/88	Elevation:	250 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6175800 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	513800 Datum: AGD66	Drainage:	Imperfectly 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	5 metres
Elem. Type:	Footslope	Slope Category:	Level
Slope:	0.5 %	Aspect:	150 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:	Gn2.11
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

Ap	0 - 0.1 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
B21	0.1 - 0.5 m	Red (2.5YR4/6-Moist); ; Clay loam, fine sandy; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
B22	0.5 - 0.6 m	Red (2.5YR4/6-Moist); ; Sandy clay; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Appears to be gradational red profile. Red Earth. But very hard at 60 cm, could be a deep RBE?

Site Notes

Clover and barely grass at bottom of long footslope. Crest of rise 1 km NW.

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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	4.45B		2.79K	0.85	0.85	0.02			
0.1 - 0.2	4.49B		3.82K	1.34	0.39	0.05			
0.2 - 0.3	4.81B		3.71K	1.62	0.27	0.14			
0.3 - 0.4	4.86B		2.91K	1.67	0.21	0.27			
0.4 - 0.5	5.02B								
0.5 - 0.6	5.04B								

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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