

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN67 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	28/07/88	Elevation:	190 metres
Map Ref.:	Sheet No. : 8228 1:100000	Rainfall:	No Data
Northing/Long.:	6151100 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	497700 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	3 metres
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	45 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: Cultivation. Rainfed

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 (2.5YR3/4-Moist); ; Fine sandy loam (Heavy); 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
A3	0.1 - 0.3 m	Dark red (2.5YR3/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
B21	0.3 - 0.5 m	Dark red (10R3/6-Moist); ; Clay loam, sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B22	0.5 - 0.8 m	Dark red (2.5YR3/6-Moist); ; Clay loam, sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Thick clover undersown in last years stubble. May have been limed the previous year. Simple lower slope 1000m from west of rolling rise. Red Earth? Sandy influence from hill colluvium. RE but texture contrast lower down ie >80cm.

Site Notes

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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	4.59B		3.2K	0.89	0.28	0.06			
0.1 - 0.2	4.6B		3.9K	1.04	0.16	0.02			
0.2 - 0.3	5.38B		4.18K	1.41	0.22	0.14			
0.3 - 0.4	5.85B		3.55K	1.74	0.28	0.22			
0.4 - 0.5	6.04B								
0.7 - 0.8	6.45B								

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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