

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN44 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	21/07/88	Elevation:	220 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6098800 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	514400 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	3 metres
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

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:	GN2.22
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Dark reddish brown (5YR3/3-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
A3	0.2 - 0.3 m	Strong brown (7.5YR5/6-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, rounded, Unconsolidated material (unidentified), coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B2	0.3 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 5YR58, 10-20% , 5-15mm, Distinct; Light clay; 0-2%, fine gravelly, 2-6mm, rounded, Unconsolidated material (unidentified), coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

Has started liming recently. Crop paddocks, field peas. Crest of gentle rise. Gradational profile, no sharp texture contrast, mod A3, no CO3. Red Earth.

Site Notes

The Rock

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils Site ID: AN44 Observation ID: 1
Agency Name: CSIRO Land and Water (ACT)

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.1	4.3B		1.98K	0.42	0.64	0.04			
0.1 - 0.2	4.21B		1.59K	0.33	0.38	0.04			
0.2 - 0.3	4.58B		2.62K	0.59	0.34	0.03			
0.3 - 0.4	5.16B		4.72K	1.55	0.52	0.03			
0.4 - 0.5	5.76B								
0.7 - 0.8	6.43B								

[illegible][illegible]

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN44 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

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