

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN85 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	08/08/88	Elevation:	340 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6158100 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	534400 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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Simple-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	240 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: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); ; Coarse sandy loam; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
A2	0.1 - 0.3 m	Reddish brown (5YR4/4-Moist); Strong brown (7.5YR5/6-Dry); ; Coarse sandy loam; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
B21	0.3 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Coarse sandy clay loam; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B22	0.6 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Sandy clay; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

Morphological Notes

A2 Not bleached.

Observation Notes

Grazing paddock, grasses>clover. Sandy Red Earth.

Site Notes

Marrar

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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 Cmol (+)/kg	Acidity		%
0 - 0.1	4.71B		4.16K	0.72	0.92	0.01			
0.1 - 0.2	4.73B		2.62K	0.48	0.49				
0.2 - 0.3	5.03B		2.29K	0.46	0.41	0.1			
0.3 - 0.4	5.75B		7.07K	0.92	0.45	0.14			
0.4 - 0.5	6.06B								
0.7 - 0.8	6.35B								

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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