

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN164 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	10/10/88	Elevation:	220 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6128000 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	524600 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:	Mid-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	360 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	GN2.21
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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

Ap	0 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B21	0.2 - 0.5 m	Yellowish red (5YR5/6-Moist); ; Clay loam (Heavy); 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Unidentified, Coarse (6 - 20 mm), Nodules;
B22	0.5 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules;

Morphological Notes

Observation Notes

Good clover and grasses freshly cut for hay on long midslope. Uniform to gradational red profile, red earth? Yellow Earth.

Site Notes

The Gap

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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	4.52B		2.7K	0.82	0.43	0.05			
0.1 - 0.2	4.8B		3.78K	1.27	0.34	0.07			
0.2 - 0.3	5.02B		3.35K	1.61	0.27	0.06			
0.3 - 0.4	4.82B		2.9K	1.98	0.23	0.11			
0.4 - 0.5	4.73B								
0.7 - 0.8	5.25B								

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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