

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN52 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	22/07/88	Elevation:	290 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6064800 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	521400 Datum: AGD66	Drainage:	No Data

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:	4 %	Aspect:	270 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:	DY4.41
		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	Brown (7.5YR4/2-Moist); ; Clay loam; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Concretions;
A2	0.1 - 0.3 m	Pinkish grey (7.5YR6/2-Moist); Pinkish grey (7.5YR7/2-Dry); ; Clay loam, fine sandy; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.6 m	Brownish yellow (10YR6/6-Moist); , 10YR48, 2-10% , 5-15mm, Distinct; Light clay; 0-2%, medium gravelly, 6-20mm, subrounded, Unconsolidated material (unidentified), coarse fragments; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Light yellowish brown (10YR6/4-Moist); , 10YR48, 10-20% , 0-5mm, Distinct; Light clay; Few (2 - 10 %), Unidentified, Coarse (6 - 20 mm), Nodules;

Morphological Notes

A2 Conspicuous bleached A2.

Observation Notes

Simple hillslope 300m from crest midslope. Grazing paddock, grasses. Yellow Podzolic. Sharp texture contrast.

Site Notes

Cookardina

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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	4.4B		1.54K	0.39	0.4	0.08			
0.1 - 0.2	4.5B		0.65K	0.18	0.2	0.04			
0.2 - 0.3	4.64B		1.1K	0.27	0.14	0.01			
0.3 - 0.4	4.78B		1.86K	0.67	0.15	0.03			
0.4 - 0.5	4.94B								
0.7 - 0.8	5.2B								

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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