

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN156 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	30/09/88	Elevation:	320 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6059000 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	515500 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:	Mid-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	120 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:	GN2.14
		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

Ap	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam;
A2	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); Light brown (7.5YR6/4-Dry); ; Fine sandy loam (Heavy);
B21	0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Clay loam (Heavy); Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

A2 Pale A2.

Observation Notes

Grazing, capeweed>grasses. Gradational red profile, A2, no CO3, red podzolic/red earth. Podzolic Red Earth.

Site Notes

Cookardinia

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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	4.86B		1.55K	0.39	0.7	0.09			
0.1 - 0.2	4.38B		0.83K	0.22	0.37	0.05			
0.2 - 0.3	4.4B		0.76K	0.31	0.3				
0.3 - 0.4	4.53B		1.43K	0.66	0.38				
0.4 - 0.5	4.8B								
0.7 - 0.8	5.44B								

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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