

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN155 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	30/09/88	Elevation:	300 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6062100 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	517900 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:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Simple-slope	Relief:	50 metres
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	5 %	Aspect:	220 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	GN4.52
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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 greyish brown (10YR4/2-Moist); ; Clay loam, sandy; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
B21	0.1 - 0.5 m	Weak red (2.5YR5/2-Moist); ; Sandy clay; 20-50%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
B22	0.5 - 0.8 m	Brown (10YR5/3-Moist); , 10YR56, 10-20% , 5-15mm, Distinct; , 2.5Y62, 10-20% , 5-15mm, Distinct;

Morphological Notes

A1	Gravelly.
B21	Very gravelly.
B22	Very gravelly.

Observation Notes

Grazing grasses=clover, middle of long steep footslope from hills to N, possibly colluvial fan. Gradational sandy clay profile grey yellow in colour, no CO₃, very gravelly. Brown clay/yellow podzolic/solodic? Yellow Solodic?

Site Notes

Cookardinia

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Depth m	pH	1:5 EC dS/m	Exchangeable Cations			Exchangeable Acidity (+)/kg Cmol	CEC	ECEC	ESP %
			Ca	Mg	K				
0 - 0.1	5.01B		4.89K	3.91	0.26	1.11			
0.1 - 0.2	5.76B		8.1K	8.81	0.31	2.09			
0.2 - 0.3	6.28B		7.38K	9.02	0.29	2.09			
0.3 - 0.4	6.58B		7.31K	9.44	0.28	2.27			
0.4 - 0.5	6.77B								
0.7 - 0.8	7.08B								

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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