

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN45 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	21/07/88	Elevation:	220 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6103700 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	520500 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	2 metres
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

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:	DY2.22
		Great Soil Group:	N/A

Site Disturbance:

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 brown (7.5YR3/4-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments;
A2	0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); Reddish brown (5YR5/4-Dry); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.2 - 0.6 m	Yellowish red (5YR5/8-Moist); ; Light clay; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; 2-10%, fine gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Yellowish red (5YR5/8-Moist); ; Light medium clay; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; 2-10%, fine gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments;

Morphological Notes

A2 Not bleached.

Observation Notes

Grazing paddock, clover and grasses. Texture contrast red soil, same as 44. Yellow Podzolic.

Site Notes

Uranquinty

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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	4.75B		3.78K	0.75	0.59	0.05			
0.1 - 0.2	4.65B		3.61K	0.95	0.34	0.05			
0.2 - 0.3	4.99B		4.21K	1.77	0.25	0.04			
0.3 - 0.4	5.33B		6.03K	3.66	0.37	0.08			
0.4 - 0.5	5.54B								
0.7 - 0.8	6.19B								

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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