

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN7 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	22/06/88	Elevation:	230 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6101600 AMG zone: 55	Runoff:	Slow
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:	Lower-slope	Relief:	50 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	330 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:	Dy3.22
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.1 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy loam (Heavy);
A2	0.1 - 0.2 m	Yellowish red (5YR5/6-Moist); Reddish brown (5YR5/4-Dry); ; Silty loam;
B21	0.2 - 0.5 m	Yellowish red (5YR5/8-Moist); , 2.5YR46, 20-50% , 5-15mm, Distinct; Fine sandy clay; Diffuse change to -
B22	0.5 - 0.8 m	Yellowish brown (10YR5/8-Moist); , 10YR64, 2-10% , 0-5mm, Distinct; Fine sandy clay;

Morphological Notes

A2	not bleached.
B21	Diffuse boundary, common, small hard black and red concretions

Observation Notes

simple lower midslope in rolling hill country, 50m relief, slope 2%, 1km from hills. Oats paddock. RBE? Duplex red profile, no CO3. Podzolic Yellow Earth.

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	Acidity		%
						Cmol	(+)/kg		
0 - 0.1	4.39B		2.69K	0.49	0.5	0.01			
0.1 - 0.2	5.3B		2.78K	0.78	0.34	0.03			
0.2 - 0.3	6.34B		4.11K	2.23	0.4	0.15			
0.3 - 0.4	6.6B		5.73K	4.05	0.82	0.39			
0.4 - 0.5	6.66B								
0.7 - 0.8	6.46B								

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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