

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN66 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	28/07/88	Elevation:	195 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6150100 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	501900 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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	5 metres
Elem. Type:	Hillcrest	Slope Category:	Level
Slope:	0.5 %	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:	DR2.23
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

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 reddish brown (5YR3/3-Moist); ; Loamy fine sand; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
A2	0.1 - 0.3 m	Reddish brown (5YR4/4-Moist); ; Loamy fine sand; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B21	0.3 - 0.5 m	Red (2.5YR4/6-Moist); ; Sandy clay; 2-10%, fine gravelly, 2-6mm, subrounded, coarse fragments;
B22	0.5 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Clay loam, coarse sandy; 2-10%, fine gravelly, 2-6mm, subrounded, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;

Morphological Notes

Observation Notes

Crest of 5m rise in rolling rises, undulating plain. Crop paddock. Red Brown Earth but no CaCO₃. RBE intergrade or transitional, possibly CO₃ leached lower because of local drainage

Site Notes

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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	4.66B		3.66K	0.9	0.91	0.04			
0.1 - 0.2	4.8B		4.72K	1.53	0.55	0.07			
0.2 - 0.3	5.36B		3.44K	2.03	0.38	0.33			
0.3 - 0.4	6.01B		6.73K	6.44	0.86	1.38			
0.4 - 0.5	6.44B								
0.7 - 0.8	6.93B								

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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