

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN168 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	10/10/88	Elevation:	210 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6128700 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	508800 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 rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	290 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:	DR2.12
		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

Ap	0 - 0.1 m	Strong brown (7.5YR4/6-Moist); ; Sandy loam; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Coarse (6 - 20 mm), Nodules;
A3	0.1 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Sandy loam; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;
B21	0.4 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Sandy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B22	0.6 - 0.8 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Duplex red profile, no CO3, like RBE but A3 instead of A2, ie doesn't qualify on colour and no CO3 in B evident. NCBS?

Site Notes

Currawarna

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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	4.31B		1.33K	0.26	0.58	0.06			
0.1 - 0.2	4.57B		1.88K	0.4	0.44	0.03			
0.2 - 0.3	4.6B		1.76K	0.42	0.36				
0.3 - 0.4	4.87B		1.88K	0.81	0.31	0.01			
0.4 - 0.5	5.34B								
0.7 - 0.8	6.45B								

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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