

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN214 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Culcairn
Date Desc.:	16/05/89	Elevation:	230 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6048200 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	504800 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	2 metres
Elem. Type:	Plain	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:	Dy3.42
		Great Soil Group:	N/A

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

Ap	0 - 0.1 m	Brown (7.5YR4/2-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Fine sandy loam; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Sharp change to -
A2e	0.1 - 0.3 m	Pinkish grey (7.5YR6/2-Moist); ; Fine sandy loam; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Sharp change to -
B21	0.3 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

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	4.37B		2.09K	0.46	0.57	0.06			
0.1 - 0.2	4.22B		1.27K	0.25	0.22	0.09			
0.2 - 0.3	4.8B		1.74K	0.69	0.18	0.04			
0.3 - 0.4	5.3B		4.27K	2.73	0.03	0.09			
0.4 - 0.5	5.57B								
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