

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN200 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Coolamon
Date Desc.:	15/05/89	Elevation:	240 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6147700 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	521300 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0.5 %	Aspect:	270 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:	Gn2.11
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

Ap	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Fine sandy loam (Heavy); 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
B1	0.1 - 0.3 m	Red (2.5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
B21	0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Diffuse change to -
B22	0.6 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Gradational red profile. Red Earth. Yellowing with depth. Nice bright red B2 similar to AN194 etc. No CO₃, earthy fabric.

Site Notes

Owner: John Chamberlain, Red Hill, Coolamon. Good thick cover of oats and clover in flat grazing paddock 600 m. from drainage line to west.

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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	4.55B		4.18K	1.07	0.81	0.03			
0.1 - 0.2	4.72B		4.49K	1.34	0.71	0.03			
0.2 - 0.3	5B		4.4K	0.02	0.63	1.65			
0.3 - 0.4	5.22B		4.48K	0.01	0.54	2.22			
0.4 - 0.5	5.5B								
0.7 - 0.8	5.14B								

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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