

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN176 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Coolamon
Date Desc.:	11/10/88	Elevation:	240 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6140000 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	509000 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:	360 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:	Dr2.11
		Great Soil Group:	N/A

Site Disturbance:

Vegetation: Low Strata - Sod grass, <0.25m, Mid-dense. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Callitris columellaris, Eucalyptus species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Dark reddish brown (5YR3/4-Moist); ; Coarse sandy loam; 20-50%, cobbly, 60-200mm, angular, coarse fragments; Gradual change to -
A2	0.2 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Coarse sandy loam; 50-90%, cobbly, 60-200mm, angular, coarse fragments; Sharp change to -
B21	0.4 - 0.8 m	Red (2.5YR4/6-Moist); ; Sandy clay;

Morphological Notes

A1	Stones
A2	Stones
B21	Stones

Observation Notes

Duplex stoney red profile. Stoney RBE? Red Podzolic.

Site Notes

20 m cleared patch in Lester State Forest. 15m cypress and scattered 20m eucalypts. Grasses and forbes. Thinned at some stage. Some grazing.

Agency Name: CSIRO Land and Water (ACT)

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	5.02B		6.78K	1.21	1				
0.1 - 0.2	4.9B		5.64K	0.91	0.66				
0.2 - 0.3	4.96B		4.21K	0.73	0.46	0.01			
0.3 - 0.4	5.16B		3.31K	0.78	0.38	0.02			
0.4 - 0.5	5.77B								
0.7 - 0.8	5.43B								

[illegible][illegible]

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN176 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

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