

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN116 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	26/09/88	Elevation:	240 metres
Map Ref.:	Sheet No. : 8427 1:100000	Rainfall:	No Data
Northing/Long.:	6104000 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	548600 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:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Simple-slope	Relief:	40 metres
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	45 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:	GN2.14
		Great Soil Group:	Red earth

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 - 0.2 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
A2	0.2 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Sandy clay; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Brown (7.5YR4/4-Moist); ; Clay loam, sandy; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;

Morphological Notes

B22 Nodules.

Observation Notes

Clover>grass. Nodules in 60-80cm layer. Similar to 115 shallower. Red Podzolic/Red Earth?

Site Notes

Ladysmith

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils Site ID: AN116 Observation ID: 1
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	4.56B		1.68K	0.41	0.59	0.38			
0.1 - 0.2	4.43B		1.49K	0.43	0.51	0.09			
0.2 - 0.3	4.58B		2.29K	0.88	0.51				
0.3 - 0.4	4.72B		3.73K	2.29	0.56	0.04			
0.4 - 0.5	4.8B								
0.7 - 0.8	4.94B								

[illegible][illegible]

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN116 **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