

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN218 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Wagga
Date Desc.:	17/05/89	Elevation:	280 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6128400 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	544900 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 rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Mid-slope	Relief:	30 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	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:	Gn2.12
		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:

Profile Morphology

A1	0 - 0.2 m	Dark reddish brown (5YR3/4-Moist); ; Fine sandy loam; 0-2%, coarse gravelly, 20-60mm, subrounded, Shells, coarse fragments; Gradual change to -
B1	0.2 - 0.4 m	Reddish brown (5YR4/4-Moist); ; Clay loam, fine sandy; Gradual change to -
B21	0.4 - 0.7 m	Red (2.5YR4/6-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Gradual change to -
B22	0.7 - 0.8 m	Strong brown (7.5YR5/8-Moist); ; Sandy clay;

Morphological Notes

Observation Notes

Perhaps P.P.F. Gn2.15? Probably hardsetting. Earthy fabric. Gradational red profile with yellowing at depth. Red Earth similar to AN216. Podzolic int.

Site Notes

Owner: Pat Schiller. Good short cover of grass and clover midslope 400 m. from crest to east in rolling country.

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils Site ID: AN218 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	4.16B		1.99K	0.42	0.75	0.06			
0.1 - 0.2	4.09B		2.58K	0.57	0.44	0.04			
0.2 - 0.3	4.76B		4.59K	1.27	0.53	0.05			
0.3 - 0.4	5.26B		4.91K	1.79	0.47	0.06			
0.4 - 0.5	5.55B								
0.7 - 0.8	5.84B								

[illegible][illegible]

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN218 **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