

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN55 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	27/07/88	Elevation:	300 metres
Map Ref.:	Sheet No. : 8428 1:100000	Rainfall:	No Data
Northing/Long.:	6145400 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	563800 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:	Simple-slope	Relief:	12 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	180 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:	GN2.22
		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 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
A2	0.2 - 0.4 m	Brown (7.5YR5/4-Moist); Brown (7.5YR5/4-Dry); ; Sandy clay loam, fine sandy; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;
B21	0.4 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Sandy clay; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Brownish yellow (10YR6/6-Moist); , 2.5YR48, 2-10% , 5-15mm, Distinct; Sandy light clay; 2-10%, medium gravelly, 6-20mm, angular, Detrital sedimentary rock (unidentified), coarse fragments; 2-10%, medium gravelly, 6-20mm, angular, Granite, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;

Morphological Notes

A2	Not bleached.
B22	Few large coarse fragments.

Observation Notes

Simple mid-slope 200m away from crest of rolling hills. Grazing paddock, good cover of grasses and clover. Yellow Earth. Gradational yellow earthy soil almost duplex. No CO3.

Site Notes

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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