

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN242 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Westby
Date Desc.:	19/05/89	Elevation:	380 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6074200 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	535800 Datum: AGD66	Drainage:	Imperfectly 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:	Upper-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	8 %	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:	Gn4.11
		Great Soil Group:	Red earth

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

A1	0 - 0.2 m	Dark reddish brown (5YR3/3-Moist); ; Fine sandy loam; 20-50%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments; 20-50%, coarse gravelly, 20-60mm, angular, Shells, coarse fragments; Gradual change to -
A2	0.2 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy; 2-10%, medium gravelly, 6-20mm, angular, Unconsolidated material (unidentified), coarse fragments; Gradual change to -
B21	0.3 - 0.7 m	Red (2.5YR4/6-Moist); ; Sandy light clay; 2-10%, cobbly, 60-200mm, angular, Unconsolidated material (unidentified), coarse fragments;

Morphological Notes

Observation Notes

Just gradational profile. Redish brown profile, hardsetting and rough ped fabric. No CO3. May have A2? Like a red earth or may be slightly podzolised? Podzolic Red Earth.

Site Notes

very thick cover, clover and grasses. Grazing paddock, 50 m from crest at rise in low hill country. Ron and Charles Taylor.

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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