

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN197 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Marrar
Date Desc.:	15/05/89	Elevation:	290 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6145900 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	532600 Datum: AGD66	Drainage:	Poorly 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:	Flat	Relief:	15 metres
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	1 %	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:	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); ; Silty loam; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Gradual change to -
B1	0.2 - 0.4 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam, fine sandy; Gradual change to -
B21	0.4 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Clay loam, fine sandy; Gradual change to -
B22	0.6 - 0.8 m	Strong brown (7.5YR4/6-Moist); , 5YR46, 2-10% , 5-15mm, Distinct; Silty clay loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

Gradational brownish red profile. Red Earth but not similar to AN194 - AN196 redbrown colour. Throughout no carbonate. May have developed with sediment input from surrounding rises.

Site Notes

Edge of Marrar. Grazing paddock with good growth of Pattersons curse and grasses. Fairly flat site on footslope 500 m from small drainage lline.

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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