

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN76 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	29/07/88	Elevation:	250 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6123800 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	537800 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:	Lower-slope	Relief:	15 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	90 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:	GN2.11
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Tall Strata - Tree, 3.01-6m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Fine sandy loam (Heavy); 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;
B1	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B21	0.3 - 0.6 m	Red (2.5YR4/6-Moist); ; Clay loam, sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B22	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 2.5YR36, 10-20% , 5-15mm, Faint; Clay loam; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Very coarse (20 - 60 mm), Nodules;

Morphological Notes

Observation Notes

Mount Pleasant Reserve, grasses=mosses>weeds, scattered box trees. Simple lower mid-slope from crest 1km away. Contour bank 10m uphill. Red Earth similar to AN75 but lower on slope, wetter and possibly lighter texture.

Site Notes

Mount Pleasant

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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	4.94B		3.82K	1.22	0.63	0.01			
0.1 - 0.2	5.11B		4.17K	1.61	0.57	0.02			
0.2 - 0.3	5.35B		3.88K	1.9	0.55	0.12			
0.3 - 0.4	5.34B		3.76K	2.18	0.52	0.14			
0.4 - 0.5	5.2B								
0.7 - 0.8	4.56B								

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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