

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN171 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	11/10/88	Elevation:	310 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6137000 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	530400 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:	20 metres
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	160 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: No surface coarse fragments

Profile Morphology

Ap	0 - 0.2 m	Strong brown (7.5YR4/6-Moist); ; Coarse sandy clay loam; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B21	0.2 - 0.5 m	Red (2.5YR4/8-Moist); ; Clay loam, sandy (Heavy); 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B22	0.5 - 0.8 m	Yellowish red (5YR5/6-Moist); ; Coarse sandy clay;

Morphological Notes

B22 Gravelly.

Observation Notes

Patchy grazing, broadleaves=clover>grasses on long footslope 800m from crest of rise to NW (possible granitoid outcrop). Gradational red coarse sandy profile, gravel possibly from granite rise. Red Earth (sandy).

Site Notes

Malebo Range

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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	5.03B		3.28K	0.75	0.7	0.05			
0.1 - 0.2	4.93B		3.57K	0.91	0.47	0.04			
0.2 - 0.3	5.26B		3.97K	1.15	0.34	0.01			
0.3 - 0.4	5.39B		4.23K	1.49	0.27	0.01			
0.4 - 0.5	5.56B								
0.7 - 0.8	5.84B								

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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