

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN247 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Morven
Date Desc.:	19/05/89	Elevation:	270 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6058100 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	509800 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:	Mid-slope	Relief:	20 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	6 %	Aspect:	300 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:	Dr3.21
		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

A1	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Sandy loam; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Sharp change to -
A2	0.1 - 0.4 m	Strong brown (7.5YR5/6-Moist); Reddish yellow (7.5YR6/6-Dry); ; Loamy coarse sand; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Clear change to -
B21	0.4 - 0.6 m	Red (2.5YR4/6-Moist); ; Sandy clay; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Gradual change to -
B22	0.6 - 0.8 m	Strong brown (7.5YR5/6-Moist); , 2.5YR46, 20-50% , 5-15mm, Distinct; Sandy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Site Notes

Good short cover of grasses and clover.

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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	4.36B		1.13K	0.29	0.73	0.05			
0.1 - 0.2	4.18B		0.38K	0.09	0.36	0.03			
0.2 - 0.3	4.45B		1.35K	0.31	0.26				
0.3 - 0.4	4.81B		2.36K	0.73	0.3	0.01			
0.4 - 0.5	5.17B								
0.7 - 0.8	5.67B								

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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