

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN210 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Morvern
Date Desc.:	16/05/89	Elevation:	250 metres
Map Ref.:	Sheet No. : 8326 1:100000	Rainfall:	No Data
Northing/Long.:	6047500 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	516600 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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0.5 %	Aspect:	270 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:	Dy2.22
		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	Dark greyish brown (10YR4/2-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules; Gradual change to -
A2	0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); Light yellowish brown (10YR6/4-Dry); ; Clay loam, sandy; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Few (2 - 10 %), Unidentified, Medium (2 - 6 mm), Nodules; Gradual change to -
B21	0.2 - 0.6 m	Dark greyish brown (10YR4/2-Moist); ; Sandy light clay; Very few (0 - 2 %), Unidentified, Medium (2 - 6 mm), Nodules; Gradual change to -
B22	0.6 - 0.8 m	Brown (10YR5/3-Moist); ; Light clay;

Morphological Notes

Observation Notes

Site Notes

Very good growth of clover in flattish grazing paddock.

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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 Cmol (+)/kg	Acidity		%
0 - 0.1	3.99B		4.09K	1.44	0.21	0.24			
0.1 - 0.2	4.73B		3.78K	2.22	0.16	0.65			
0.2 - 0.3	5.33B		6.39K	6.47	0.18	1.99			
0.3 - 0.4	5.67B		6.92K	7.5	0.19	2.38			
0.4 - 0.5	6.23B								
0.7 - 0.8	6.92B								

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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