

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN253 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Matong
Date Desc.:	14/06/89	Elevation:	170 metres
Map Ref.:	Sheet No. : 8228 1:100000	Rainfall:	No Data
Northing/Long.:	6144200 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	490800 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 plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	180 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:	Dr2.22
		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:

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); ; Loam (Light);
A2	0.1 - 0.25 m	Reddish brown (5YR4/4-Moist); ; Clay loam;
B21	0.25 - 0.5 m	Red (2.5YR4/6-Moist); ; Light clay;
B22	0.5 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Medium clay;

Morphological Notes

A2	pale A2
B22	CO3 nodules at 70 cm

Observation Notes

Duplex red profile, CO3, with A2? Red Brown Earth.

Site Notes

Roger Mamblyn. Grass, clover and weed pasture on undulating plain.

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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	5.59B		8.37K	2.09	1.42	0.15			
0.1 - 0.2	5.71B		6.22K	2.01	1.05	0.11			
0.2 - 0.3	5.99B		8.21K	5.79	1.26	0.51			
0.3 - 0.4	6.48B		11.38K	9.75	1.69	1.06			
0.4 - 0.5	6.46B								
0.7 - 0.8	7.24B								

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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