

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN139 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	28/09/88	Elevation:	260 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6091400 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	521700 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	2 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:	DY3.41
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.2 m	Brown (10YR4/3-Moist); ; Sandy loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
A2	0.2 - 0.4 m	Light brownish grey (10YR6/2-Moist); Light grey (10YR7/2-Dry); ; Loamy fine sand; Few (2 - 10 %), Unidentified, Medium (2 -6 mm), Nodules;
B2	0.4 - 0.75 m	Brown (10YR5/3-Moist); ; Sandy light clay;
B3	0.75 - 0.8 m	Brown (10YR5/3-Moist); , 7.5YR5/6, 10-20% , 5-15mm, Distinct; Sandy clay loam; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments;

Morphological Notes

A2	Conspicuous bleached A2.
B3	Sandier layer.

Observation Notes

Late cereal crop. May have used gypsum. Edge of flat 200m from toe of footslope from hills to east. Duplex profile, bleached A2, no CO3, sandy layer at 75cm. Sodic Grey Podzolic Intergrade? Yellow Podzolic Grey Podzolic Intergrade.

Site Notes

Mangoplah

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Exchangeable Cations			Exchangeable Acidity Na Cmol (+)/kg	CEC	ECEC	ESP %
			Ca	Mg	K				
0 - 0.1	4.88B		4.35K	0.4	0.41	0.05			
0.1 - 0.2	5.21B		4.69K	0.56	0.25	0.04			
0.2 - 0.3	5.52B		2.63K	0.4	0.13				
0.3 - 0.4	5.62B		1.95K	0.45	0.1				
0.4 - 0.5	5.73B								
0.7 - 0.75	5.87B								

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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