

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN29 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	24/06/88	Elevation:	260 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6087500 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	519800 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	15 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2.5 %	Aspect:	60 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	DR4.61
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Clay loam, fine sandy;
A2	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); Yellowish red (5YR4/6-Dry); ; Clay loam, fine sandy;
B2	0.3 - 0.55 m	Red (2.5YR4/8-Moist); ; Light clay;
B3	0.55 - 0.8 m	Red (2.5YR5/8-Moist); ; Sandy clay;

Morphological Notes

A2	Not bleached.
B2	Graded boundary.

Observation Notes

Cultivated wheat paddock, 10m relief, 150m from the top of a very evenly sloping hill, flat. No erosion evident. Red earth with yellow at bottom. Red Podzolic?

Site Notes

Mangoplah

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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	3.99B		2.38K	0.46	0.68	0.03			
0.1 - 0.2	4.04B		2.06K	0.48	0.4	0.03			
0.2 - 0.3	4.33B		3.38K	0.91	0.28	0.04			
0.3 - 0.4	4.67B		4.58K	1.59	0.3	0.07			
0.4 - 0.5	5.01B								
0.7 - 0.8	5.83B								

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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