

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN166 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	10/10/88	Elevation:	270 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6128100 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	516800 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:	Mid-slope	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Gently inclined
Slope:	3 %	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:	GN2.12
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.2 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, angular tabular, Quartz, coarse fragments; 0-2%, fine gravelly, 2-6mm, angular platy, Quartz, coarse fragments;
B1	0.2 - 0.4 m	Red (2.5YR4/6-Moist); ; Sandy clay loam, fine sandy; 2-10%, medium gravelly, 6-20mm, subangular tabular, Quartz, coarse fragments;
B22	0.4 - 0.8 m	Red (2.5YR4/6-Moist); ; Fine sandy clay; 2-10%, medium gravelly, 6-20mm, angular tabular, Quartz, coarse fragments;

Morphological Notes

Observation Notes

Good cereal crop on midslope 500m from crest. More fins sand tha AN162 to AN165. Gradational sandy red profile. Red Earth.

Site Notes

The Gap

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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	4.82B		2.24K	0.42	0.65	0.03			
0.1 - 0.2	5.09B		3.32K	0.68	0.51	0.04			
0.2 - 0.3	5.33B		3.93K	0.81	0.38	0.01			
0.3 - 0.4	5.88B		4.71K	0.99	0.3	0.03			
0.4 - 0.5	6.24B								
0.7 - 0.8	6.79B								

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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