

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN135 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	28/09/88	Elevation:	200 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6106400 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	515400 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:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	90 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:	GN2.15
		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 - 0.3 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy loam;
A2	0.3 - 0.7 m	Yellowish red (5YR4/6-Moist); Reddish brown (5YR5/4-Dry); ; Sandy clay loam, fine sandy;
B21	0.7 - 0.8 m	Red (2.5YR4/6-Moist); ; Sandy clay;
B22	0.8 - m	Yellowish brown (10YR5/6-Moist); ; Sandy light clay;

Morphological Notes

A2 Pale A2.

Observation Notes

Reasonably flat site on undulating plain 300m from drainage line to east. Grasses=broadleaves. No CO3, gradational red profile, almost duplex. Red Earth? Intergrade Podzolic RE?

Site Notes

Collingullie

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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	5.22B		3.76K	0.84	1.01	0.05			
0.1 - 0.2	5.28B		4.86K	1.38	0.86	0.05			
0.2 - 0.3	5.49B		5.28K	1.9	0.78	0.04			
0.3 - 0.4	5.66B		7.11K	3.12	0.86	0.06			
0.4 - 0.5	5.88B								
0.7 - 0.8	6.24B								

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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