

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN250 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Combanning South
Date Desc.:	14/06/89	Elevation:	300 metres
Map Ref.:	Sheet No. : 8428 1:100000	Rainfall:	No Data
Northing/Long.:	6178100 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	552300 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	10 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	360 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:	Db2.13
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Sod grass, <0.25m, Closed or dense. *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

Ap	0 - 0.15 m	Dark brown (7.5YR3/4-Moist); ; Loam; 0-2%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments;
B21	0.15 - 0.4 m	Reddish brown (5YR4/4-Moist); , 7.5YR42, 10-20% , 0-5mm, Distinct; Light clay;
B22	0.4 - 0.8 m	Strong brown (7.5YR4/6-Moist); , 7.5YR76, 10-20% , 5-15mm, Distinct; Medium clay;

Morphological Notes

B21	CO3 at 0.3-0.4
B22	CO3 mottles

Observation Notes

Duplex profile similar to An 249 ie. No strongly developed pale A2, only shallow Ap. CO3 at 40 cm. Couple of quartz rocks. Red Brown Earth.

Site Notes

O'Connor. Pine Hill. Clover and grass pasture with scattered 6 m cypress pines. Not sandy soil.

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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	5.5B		6.93K	3.21	0.79	0.45			
0.1 - 0.2	5.84B		10.65K	7.05	0.72	0.84			
0.2 - 0.3	6.23B		11.85K	9.59	0.71	1.21			
0.3 - 0.4	7.14B		16.88K	10.97	0.64	1.85			
0.4 - 0.5	7.48B								
0.7 - 0.8	7.69B								

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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