

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN243 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Westby
Date Desc.:	19/05/89	Elevation:	360 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6071500 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	537900 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:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	No Data	Relief:	5 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	Aspect:	No Data

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:	Dy2.41
		Great Soil Group:	Yellow podzolic soil

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:

Profile Morphology

Ap	0 - 0.1 m	Dark yellowish brown (10YR4/4-Moist); ; Loamy fine sand; Gradual change to -
A2	0.1 - 0.3 m	Yellowish brown (10YR5/4-Moist); Light yellowish brown (10YR6/4-Dry); ; Loamy fine sand; Diffuse change to -
B21	0.3 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam, fine sandy;

Morphological Notes

A2 Coas bleached A2

Observation Notes

Duplex sandy soil. Yellow/ Red podzolic forming on very old floodplain sand deposits. No CO3. Yellow Podzolic.

Site Notes

Phillip Davies or John Stewards? Reasonable cover of coperweed and grasses and clover in grazing paddock on small plain in low hill country, may have been very old flood plain of creek 300 m east.

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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	4.15B		1.28K	0.19	0.26	0.15			
0.1 - 0.2	4B		0.33K	0.05	0.14	0.03			
0.2 - 0.3	4.06B		0.38K	0.07	0.09				
0.3 - 0.4	4.16B		0.54K	0.09	0.08				
0.4 - 0.5	4.41B								
0.7 - 0.8	5.09B								

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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