

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN113 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	26/09/88	Elevation:	220 metres
Map Ref.:	Sheet No. : 8427 1:100000	Rainfall:	No Data
Northing/Long.:	6108600 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	552500 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:	Low hills
Morph. Type:	Simple-slope	Relief:	20 metres
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	150 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:	DY3.42
		Great Soil Group:	Yellow podzolic soil

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

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 (7.5YR4/2-Moist); ; Fine sandy loam;
A2	0.2 - 0.5 m	Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR7/2-Dry); ; Fine sandy loam; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.5 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Light clay; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;

Morphological Notes

A2 Conspicuous bleached.

Observation Notes

Pasture 500m from gently rolling hills (20-50m high). Grass>clover. Duplex reddish soil, red podzolic? Pale A2 horizon, no CO3. Yellow Podzolic.

Site Notes

Ladysmith

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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	4.23B		2.9K	0.42	0.53	0.17			
0.1 - 0.2	4.43B		1.07K	0.27	0.36	0.1			
0.2 - 0.3	4.45B		0.77K	0.27	0.28	0.01			
0.3 - 0.4	4.75B		1.08K	0.32	0.23	0.01			
0.4 - 0.5	5.35B								
0.7 - 0.8	5.91B								

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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