

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN112 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	26/09/88	Elevation:	215 metres
Map Ref.:	Sheet No. : 8427 1:100000	Rainfall:	No Data
Northing/Long.:	6102400 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	546500 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 low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Simple-slope	Relief:	40 metres
Elem. Type:	Footslope	Slope Category:	Gently inclined
Slope:	4 %	Aspect:	300 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:	DR2.61
		Great Soil Group:	Red 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 (10YR4/3-Moist); ; Fine sandy loam; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
A2	0.2 - 0.3 m	Strong brown (7.5YR4/6-Moist); Brown (7.5YR5/4-Dry); ; Fine sandy loam (Heavy);
B21	0.3 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Light clay;
B22	0.6 - 0.8 m	Yellowish red (5YR4/6-Moist); , 10YR56, 20-50% , 5-15mm; Light clay;

Morphological Notes

A2 Pale but not bleached.

Observation Notes

Lucerne>grass, no CO3. Red duplex soil. Red 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 Cmol (+)/kg	Acidity		%
0 - 0.1	5.14B		3.22K	0.31	0.39	0.12			
0.1 - 0.2	5.33B		2.37K	0.28	0.27	0.36			
0.2 - 0.3	4.79B		3.24K	0.97	0.41	0.04			
0.3 - 0.4	5.03B		5.78K	3.18	1	0.08			
0.4 - 0.5	5.33B								
0.7 - 0.8	5.65B								

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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