

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN118 **Observation ID:** 1  
**Agency Name:** CSIRO Land and Water (ACT)

**Site Information**

<b>Desc. By:</b>	G. W. Geeves	<b>Locality:</b>	
<b>Date Desc.:</b>	26/09/88	<b>Elevation:</b>	220 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6097900 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	543900 Datum: AGD66	<b>Drainage:</b>	Imperfectly drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	2 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0.5 %	<b>Aspect:</b>	90 degrees

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	DY3.41
		<b>Great Soil Group:</b>	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:** No surface coarse fragments

**Profile Morphology**

Ap	0 - 0.1 m	Greyish brown (10YR5/2-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;
A2	0.1 - 0.4 m	Light grey (10YR7/2-Moist); Light grey (10YR7/2-Dry); ; Loamy sand; 0-2%, fine gravelly, 2-6mm, angular tabular, Chert, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.4 - 0.6 m	Light red (2.5YR6/6-Moist); , 2.5YR46, 10-20% , 0-5mm, Distinct; , 10YR72, 10-20% , 0-5mm, Distinct; Sandy clay; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;
B22	0.6 - 0.8 m	Light red (2.5YR6/6-Moist); , 2.5YR46, 20-50% , 5-15mm, Distinct; , 10YR72, 20-50% , 5-15mm, Distinct; Sandy clay; 0-2%, fine gravelly, 2-6mm, rounded, Sand, coarse fragments;

**Morphological Notes**

A2 Conspicuous bleached A2.

**Observation Notes**

Paddy Power. Grasses=broadleaves>clover. No CO3, yellow soil, bleached A2 (strong). Between Yellow Podzolic and Gleyed 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	4.09B		0.61K	0.17	0.24	0.36			
0.1 - 0.2	4.25B		0.33K	0.13	0.11	0.33			
0.2 - 0.3	4.49B		0.57K	0.16	0.08	0.02			
0.3 - 0.4	4.83B		0.72K	0.22	0.05	0.05			
0.4 - 0.5	4.81B								
0.7 - 0.8	4.27B								

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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