

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN11 **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>	22/06/88	<b>Elevation:</b>	235 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6076300 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	503100 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	10 metres
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<b>Aspect:</b>	300 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>	Dy2.22
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**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	Reddish brown (5YR4/4-Moist); ; Silty loam; macropores,
A2	0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); Yellowish red (5YR5/6-Dry); ; Silty loam;
B21	0.2 - 0.4 m	Yellowish red (5YR5/8-Moist); ; Light medium clay;
B22	0.4 - m	Strong brown (7.5YR5/8-Moist); , 2.5YR48, 2-10% , 5-15mm, Distinct; Light medium clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;

**Morphological Notes**

A2	Pale A2.
B22	No CO3.

**Observation Notes**

Toe slope on hill 500m away, 1 or 2 trees in paddock. Good clover coverage on grazing paddock. Red Podzolic? RBE? Duplex profile, pale A2 weak. YellowPodzolic.

**Site Notes**

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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	5.03B		4.26K	0.78	0.07	0.02			
0.1 - 0.2	5.13B		3.39K	1.01	0.55	0.03			
0.2 - 0.3	5.5B		3.95K	1.87	0.62	0.07			
0.3 - 0.4	5.82B		4.85K	3.07	0.74	0.15			
0.4 - 0.5	6.08B								
0.7 - 0.8	6.2B								

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**Laboratory Analyses Completed for this profile**

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