

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN12 **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>	230 metres
<b>Map Ref.:</b>	Sheet No. : 8326 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6054100 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	511900 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>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	10 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	220 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>	DR/Y3.11
		<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 - 0.2 m	Dark reddish brown (5YR3/3-Moist); ; Fine sandy loam (Heavy);
B1	0.2 - 0.4 m	Reddish brown (5YR4/4-Moist); ; Fine sandy clay;
B21	0.4 - 0.6 m	Brown (7.5YR5/4-Moist); Yellowish red (5YR4/6-Moist); , 5YR46, 20-50% , 30-mm, Prominent; Sandy clay;
B22	0.6 - 0.8 m	Yellow (10YR7/6-Moist); , 10YR48, 2-10% , 0-5mm, Faint; Medium heavy clay;

**Morphological Notes**

B21 Mn many nodules, large 5-15mm.

**Observation Notes**

10m relief, mid slope to lower slope, rolling rises. Grass and clover grazing paddock. Red Podzolic/Yellow Podzolic Intergrade with poorly developed A2.

**Site Notes**

Morven

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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	4.14B		2.76K	0.55	0.44	0.06			
0.1 - 0.2	4.24B		3.59K	0.71	0.25	0.07			
0.2 - 0.3	4.98B		6.18K	1.19	0.21	0.07			
0.3 - 0.4	5.33B		7.29K	1.46	0.23	0.1			
0.4 - 0.5	5.46B								
0.7 - 0.8	6.08B								

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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