

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN201 **Observation ID:** 1  
**Agency Name:** CSIRO Land and Water (ACT)

**Site Information**

<b>Desc. By:</b>	G. W. Geeves	<b>Locality:</b>	Coolamon
<b>Date Desc.:</b>	15/05/89	<b>Elevation:</b>	210 metres
<b>Map Ref.:</b>	Sheet No. : 8328 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6157600 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	511300 Datum: AGD66	<b>Drainage:</b>	Moderately well 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>	No Data	<b>Relief:</b>	2 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0 %	<b>Aspect:</b>	No Data

**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>	Gn2.41
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:**

**Vegetation:**

Tall Strata - Tree, 6.01-12m, Closed or dense. \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam (Heavy); 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
B21	0.1 - 0.5 m	Brown (7.5YR5/4-Moist); ; Loamy fine sand (Heavy); 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules; Gradual change to -
B22	0.5 - 0.8 m	Brown (7.5YR4/4-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;

**Morphological Notes**

**Observation Notes**

Gradational brown profile, quite dry, light textured. Red Earth, Brown version Red Earth?

**Site Notes**

Medium density 8 m cypress pines with moderate groundcover of grasses, weeds and clover. Occasional 10 m and 60 m tree. Surface fine and moist, probably hardsetting.

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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	4.29B		5.82K	1.94	0.41	0.06			
0.1 - 0.2	4.48B		4.96K	1.74	0.25	0.16			
0.2 - 0.3	4.12B		2.77K	0.24	0.23	1.56			
0.3 - 0.4	3.96B		1.99K	0.44	0.29	1.8			
0.4 - 0.5	4.12B								
0.6 - 0.7	5.32B								

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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