

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN1 **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>	21/06/88	<b>Elevation:</b>	220 metres
<b>Map Ref.:</b>	Sheet No. : 8326 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6045100 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	501700 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>	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>	DY2.42
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

Tall Strata - Sod grass, <0.25m, Mid-dense. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

Ap	0 - 0.12 m	Brown (10YR4/3-Moist); ; Fine sandy loam (Heavy); Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
A2	0.12 - 0.38 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR7/3-Dry); ; Clay loam, fine sandy (Light); Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 - 6 mm), Nodules;
B2	0.38 - 0.8 m	Light reddish brown (2.5YR6/4-Moist); , 2.5YR48, 10-20% , 5-15mm, Distinct; Light medium clay; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;

**Morphological Notes**

A2	Bleached A2
B2	FE concretions, rounded.

**Observation Notes**

Undulating plain <1%. 200m from creek on slight rise, relief 2m. 20m box trees, stubble paddockwith sparse clover and capeweed. No erosion, no coarse frags. Bleached A2, texture contrast, No CO3. Yellow Podzolic? Soloth int?

**Site Notes**

Culcairn

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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