

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN80 **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>	08/08/88	<b>Elevation:</b>	255 metres
<b>Map Ref.:</b>	Sheet No. : 8428 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6149200 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	549600 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>	Rises
<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>	GN2.22
		<b>Great Soil Group:</b>	N/A

**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**

A1	0 - 0.1 m	Dark brown (7.5YR3/4-Moist); ; Silty loam;
A2	0.1 - 0.3 m	Brown (7.5YR4/4-Moist); Brown (7.5YR5/4-Dry); ; Clay loam;
B21	0.3 - 0.5 m	Yellowish red (5YR5/6-Moist); ; Fine sandy clay;
B22	0.5 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Fine sandy clay;

**Morphological Notes**

A2 Not bleached.

**Observation Notes**

Grazing paddock, grasses>clover. Gradational profile, no carbonate, Yellow Earth similar to AN79.

**Site Notes**

Old Junee

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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	4.71B		3.35K	0.65	0.72	0.01			
0.1 - 0.2	5.07B		3.2K	0.87	0.45				
0.2 - 0.3	5.24B		3.13K	1.49	0.41	0.08			
0.3 - 0.4	5.65B		4.15K	3.09	0.48	0.11			
0.4 - 0.5	5.8B								
0.7 - 0.8	6.42B								

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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