

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN64 **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>	28/07/88	<b>Elevation:</b>	210 metres
<b>Map Ref.:</b>	Sheet No. : 8328 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6148800 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	509600 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 plains <9m 3-10%	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	3 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>	ug5.33
		<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**

A1	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Silty clay;
B21	0.1 - 0.4 m	Brown (7.5YR4/4-Moist); , 10YR54, 10-20% , 15-30mm; Medium clay;
B22	0.4 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 5YR56, 10-20% , 5-15mm, Distinct; Medium heavy clay; 0-2%, fine gravelly, 2-6mm, subrounded, Other, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;

**Morphological Notes**

B21 Mottles similar to next horizon.

**Observation Notes**

Colin Young. Undulating plain gilgai mound. Cultivated paddock but no crop, weeds=clover=grasses. Carbonate throughout profile, especially in white mottles. Brown Clay? Grey clay,

**Site Notes**

Brushwood

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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	7.21B		17.16K	5.71	1.4	0.54			
0.1 - 0.2	7.52B		21.76K	5.72	1.3	1.47			
0.2 - 0.3	7.61B		16.97K	11.28	1.1	1.65			
0.3 - 0.4	7.74B		14.24K	12.37	1	1.9			
0.4 - 0.5	7.86B								
0.7 - 0.8	7.94B								

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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