

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN132 **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>	28/09/88	<b>Elevation:</b>	205 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6106700 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	518700 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 %	<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>	GN2.12
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Complete clearing. Pasture, native or improved, cultivated at some stage

**Vegetation:**

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. \*Species includes - None Recorded

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

**Profile Morphology**

Ap	0 - 0.1 m	Brown (10YR4/3-Moist); ; Loamy fine sand; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
A2	0.1 - 0.4 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
B21	0.4 - 0.7 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy;
B22	0.7 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Clay loam;

**Morphological Notes**

**Observation Notes**

Common crowfoot & storksbill>clover. Gradational red profile, no CO3, Red Earth with sandy surface, possibl sediment deposition.

**Site Notes**

Wagga Wagga

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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	4.89B		3.42K	0.54	0.73	0.02			
0.1 - 0.2	5.15B		3.89K	0.81	0.58	0.02			
0.2 - 0.3	5.51B		5.28K	1.34	0.64	0.03			
0.3 - 0.4	5.66B		6.29K	2.37	0.63	0.04			
0.4 - 0.5	5.81B								
0.7 - 0.8	6.19B								

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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