Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN141 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

**Site Information** 

Desc. By: G. W. Geeves Locality:

 Date Desc.:
 28/09/88
 Elevation:
 295 metres

 Map Ref.:
 Sheet No.: 8327
 1:100000
 Rainfall:
 No Data

Northing/Long.: 6085500 AMG zone: 55 Runoff: Moderately rapid
Easting/Lat.: 519000 Datum: AGD66 Drainage: Moderately well drained

Geology

ExposureType: Auger boring Conf. Sub. is Parent. Mat.: No Data

Geol. Ref.: No Data Substrate Material: No Data

**Land Form** 

Rel/Slope Class:No DataPattern Type:Low hillsMorph. Type:Upper-slopeRelief:40 metresElem. Type:HillslopeSlope Category:Gently inclinedSlope:6 %Aspect:180 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DR2.21ASC Confidence:Great Soil Group:N/A

Confidence level not specified

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm, subangular, Quartz

**Profile Morphology** 

Ap 0 - 0.1 m Dark reddish brown (5YR3/2-Moist); ; Loam; 20-50%, coarse gravelly, 20-60mm, angular platy,

Quartz, coarse fragments; 20-50%, coarse gravelly, 20-60mm, angular platy, Stabilised soil,

coarse fragments;

A2 0.1 - 0.2 m Reddish brown (5YR4/3-Moist); Light reddish brown (5YR6/3-Dry); ; Loam; 20-50%, coarse

gravelly, 20-60mm, angular platy, Stabilised soil, coarse fragments;

B21 0.2 - 0.6 m Red (2.5YR4/6-Moist); ; Sandy light clay; 10-20%, medium gravelly, 6-20mm, angular platy,

Stabilised soil, coarse fragments;

**Morphological Notes** 

Ap Stoney.

A2 Stoney, pale A2.

B21 Stoney.

**Observation Notes** 

No 70-80cm sample. "Stoney" near crest of hill. Stoney duplex red profile, no CO3. Red Podzolic?

Site Notes

Wagga Wagga

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## **Laboratory Test Results:**

Laboratory	1001110	ouito.								
Depth	pН	1:5 EC		hangeable Mg	Cations K	Na E	xchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6	4.18B 4.56B 4.49B 4.16B 3.97B 3.89B		2.62K 2.35K 2.77K 2.49K	0.59 0.76 1.89 2.62	0.6 0.23 0.27 0.4	0.05 0.04 0.04 0.11				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particl GV CS		Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3	OV 00	%	Ont Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6										
Depth	COLE		Grav	imetric/Vo	olumetric V	Vater Cont	ents	H	( sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15 I		nm/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.5 - 0.6										

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## **Laboratory Analyses Completed for this profile**

13\_NR\_AL Extractable Al(%) - Not recorded 13\_NR\_MN Extractable Mn(%) - Not recorded

Exchangeable aluminium - method not recorded

15\_NR\_AL 15\_NR\_CA 15\_NR\_K Exchangeable aluminium - method not recorded Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded Exch. basic cations (K++) - meq per 100g of soil - Not recorded Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded Exch. basic cations (Na++) - meq per 100g of soil - Not recorded pH of 1:5 soil/0.01M calcium chloride extract - direct 15\_NR\_MG 15\_NR\_NA

4B1