Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN81 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

**Site Information** 

Desc. By: G. W. Geeves Locality:

 Date Desc.:
 08/08/88
 Elevation:
 280 metres

 Map Ref.:
 Sheet No.: 8428
 1:100000
 Rainfall:
 No Data

 Northing/Long.:
 6150600 AMG zone: 55
 Runoff:
 Moderately rapid

Easting/Lat.: 546300 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: Gently undulating rises 9-30m Pattern Type: Low hills

1-3%

Morph. Type:Lower-slopeRelief:10 metresElem. Type:HillslopeSlope Category:Very gently slopedSlope:2 %Aspect:270 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification: Mapping Unit: N/A
N/A Principal Profile Form: GN2.11
ASC Confidence: Great Soil Group: N/A

Confidence level not specified

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); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

A3 0.1 - 0.3 m Red (2.5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular,

Quartz, coarse fragments;

B21 0.3 - 0.6 m Red (2.5YR4/6-Moist); ; Fine sandy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse

fragments;

B22 0.6 - 0.8 m Yellowish red (5YR5/6-Moist); ; Fine sandy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz,

coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules;

### **Morphological Notes**

#### **Observation Notes**

"Glenlee" crop paddock. Gradational profile, no carbonate, Red Earth (brown version).

#### **Site Notes**

Old Junee

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# **Laboratory Test Results:**

Depth	pH	1:5 EC	Exc	hangeable	Cations		Exchangeable	CEC	ECEC	ESP
m	<b>F</b>	dS/m		Mg	K	Na Cmol (+	Acidity			%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.59B 4.35B 4.67B 4.84B 5.06B 5.25B		2.47K 3.08K 3.8K 4.2K	0.57 0.81 1.35 1.81	0.89 0.51 0.44 0.32	0.01 0.07 0.08				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %	I Bulk Density Mg/m3	Parti GV (	cle Size	Analysis Silt Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8										
Depth	COLE		Grav	imetric/Vo	olumetric V	Vater Cor	ntents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15	Bar	mm/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8										

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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

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\_CA 15\_NR\_K 15\_NR\_MG 15\_NR\_NA

4B1