Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN111 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

**Site Information** 

Desc. By: G. W. Geeves Locality:

 Date Desc.:
 11/08/88
 Elevation:
 310 metres

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

 Northing/Long.:
 6174300 AMG zone: 55
 Runoff:
 Slow

Easting/Lat.: 559500 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:Level plain <9m <1%</th>Pattern Type:PlainMorph. Type:FlatRelief:1 metresElem. Type:PlainSlope Category:LevelSlope:0.5 %Aspect:270 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DR2.12ASC Confidence:Great Soil Group:N/A

Confidence level not specified

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** 

Ap 0 - 0.1 m Dark brown (7.5YR3/2-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular,

Igneous rock (unidentified), coarse fragments;

B21 0.1 - 0.6 m Red (2.5YR4/6-Moist); ; Light clay; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse

fragments; 2-10%, fine gravelly, 2-6mm, subangular, Igneous rock (unidentified), coarse

fragments;

B22 0.6 - 0.8 m Yellowish red (5YR4/6-Moist); ; Sandy light clay; 2-10%, fine gravelly, 2-6mm, subangular,

Quartz, coarse fragments; 2-10%, fine gravelly, 2-6mm, subangular, Igneous rock (unidentified),

coarse fragments; Few (2 - 10 %), Calcareous, , Concretions;

**Morphological Notes** 

B22 Some hard CO3 concretions

**Observation Notes** 

Grazing paddock, grasses=clover=weeds. Sloping plain 2km from rocky ridge. RBE.

**Site Notes** 

Temora

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## **Laboratory Test Results:**

Euderatory recent resource.										
Depth	pН	1:5 EC		changeable Cations Mg K		Exchangeabl Na Acidity		CEC	ECEC	ESP
m		dS/m	Ca i	···9		Cmol (+)				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.48B 5.24B 5.99B 6.58B 6.92B 7.23B		3.59K 4.24K 5.65K 5.82K	3.22 6.03 8.77 11.08	0.84 0.74 0.92 0.87	0.69 0.73 2.59 3.61				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic		Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	· · · · · · · · · · · · · · · · · · ·
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/V	olumetric V	Vater Cont	ents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 E		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