Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN33 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

**Site Information** 

Desc. By: G. W. Geeves Locality:

 Date Desc.:
 20/07/88
 Elevation:
 230 metres

 Map Ref.:
 Sheet No.: 8326
 1:100000
 Rainfall:
 No Data

Northing/Long.: 6052000 AMG zone: 55 Runoff: Moderately rapid Basting/Lat.: 515300 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: Undulating low hills 30-90m 3- Pattern Type: Low hills

10%

Morph. Type:Simple-slopeRelief:30 metresElem. Type:FootslopeSlope Category:Gently inclinedSlope:3 %Aspect:130 degrees

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Dy4.22ASC 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** 

A1 0 - 0.3 m Brown (7.5YR4/2-Moist); ; Silty clay loam;

A2 0.3 - 0.6 m Brown (7.5YR5/4-Moist); Light brown (7.5YR6/4-Dry); ; Silty clay loam;

B2 0.6 - 0.8 m Strong brown (7.5YR5/6-Moist); ; Light clay;

**Morphological Notes** 

A2 Pale A2.

**Observation Notes** 

Grazing paddock, grass and clover. Footslope of 30m hills 100m from creekMay be very thick Red Podzolic? Yellow Podzolic.

**Site Notes** 

Morven

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## **Laboratory Test Results:**

Laboratory	Test ive	suits.								
Depth	pН	1:5 EC		nangeable Vig	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		J		Cmol (+				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.3B 4.2B 4.33B 5.06B 5.57B 6.08B		2.09K 1.9K 2.42K 2.79K	0.34 0.29 0.35 0.37	0.52 0.36 0.21 0.11	0.02 0.03 0.04 0.03				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Partic GV C	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/V	lumetric Water Contents		tents		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