Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN211 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

**Site Information** 

Desc. By: G. W. Geeves Locality: Morven Elevation: 240 metres Date Desc.: 16/05/89 Sheet No.: 8326 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 6048700 AMG zone: 55 Runoff: Slow

Easting/Lat.: 514200 Datum: AGD66 Drainage: Imperfectly 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:
 Plain

 Morph. Type:
 No Data
 Relief:
 2 metres

 Elem. Type:
 Plain
 Slope Category:
 Level

 Slope:
 0 %
 Aspect:
 No Data

Surface Soil Condition (dry):

**Erosion:** 

**Soil Classification** 

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Dy3.41ASC 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** 

0 - 0.1 m Brown (10YR4/3-Moist); ; Fine sandy loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse Ap fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules; Strong brown (7.5YR4/6-Moist); Pink (7.5YR7/4-Dry); ; Fine sandy loam; 0-2%, fine gravelly, 2-A2e 0.1 - 0.3 m 6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules: B21 Strong brown (7.5YR5/6-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse 0.3 - 0.6 m fragments; Very few (0 - 2 %), Unidentified, Fine (0 - 2 mm), Nodules; B22 Strong brown (7.5YR5/6-Moist); , 2.5YR46, 20-50% , 15-30mm, Distinct; Sandy clay; 0-2%, fine 0.6 - 0.8 m gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;

#### **Morphological Notes**

#### **Observation Notes**

## **Site Notes**

Good grass cover of grasses and clover in flat grazing paddock.

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# **Laboratory Test Results:**

Laboratory	1031110	Juito.								
Depth	pН	1:5 EC		hangeable Cations Mg K		Na	Exchangeable 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 0.7 - 0.8	4.14B 3.98B 4.74B 5.26B 5.42B 5.47B		1.04K 0.66K 2.16K 3.26K	0.24 0.18 0.63 1.16	1.08 0.59 0.59 0.55	0.06 0.05 0.06 0.05				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Parti GV (	cle Size	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 Con	tents		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 B	3ar	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

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