Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN49 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality:

 Date Desc.:
 22/07/88
 Elevation:
 270 metres

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

 Northing/Long.:
 6088100 AMG zone: 55
 Runoff:
 Slow

Easting/Lat.: 526000 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:
 Flat
 Relief:
 1 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:DY2.41ASC 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

A1 0 - 0.1 m Brown (7.5YR4/2-Moist); ; Loam; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;

A2 0.1 - 0.3 m Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR7/2-Dry); ; Fine sandy loam (Heavy); Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;

A3 0.3 - 0.5 m Light brownish grey (10YR6/2-Moist); ; Clay loam, fine sandy; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;

B2 0.5 - 0.8 m Greyish brown (10YR5/2-Moist); ; Light clay; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;

Morphological Notes

A2 C. bleached A2.

Observation Notes

Flat valley floor plain. Grazing paddock, grasses and clover. Heavier duplex soil with bleached A2? Yellow/gleyed podzolic.

Site Notes

Mangoplah

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Laboratory Test Results:

Laboratory Test Results.										
Depth	рН	1:5 EC		hangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	ou .	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	4.06B 4.04B 4.16B 4.33B 4.47B 4.68B		1.25K 0.8K 1.03K 1.44K	0.29 0.21 0.22 0.28	0.42 0.23 0.16 0.11	0.02 0.02 0.02 0.01				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3		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	olumetric V	Vater Con	tents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 I	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