Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN79 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality:

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

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

 Northing/Long.:
 6145400 AMG zone: 55
 Runoff:
 Moderately rapid

Easting/Lat.: 547700 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:Simple-slopeRelief:10 metresElem. Type:HillslopeSlope Category:Gently inclinedSlope:3 %Aspect:160 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:GN2.21ASC Confidence:Great Soil Group:N/A

Confidence level not specified

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap 0 - 0.2 m Dark reddish brown (5YR3/3-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

A3 0.2 - 0.3 m Dark reddish brown (5YR3/4-Moist); ; 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 Strong brown (7.5YR5/8-Moist); ; Fine sandy clay; 0-2%, fine gravelly, 2-6mm, subangular,

Quartz, coarse fragments;

Morphological Notes

Observation Notes

Oats paddock, simple mid-slope. Gradational profile, no carbonate, Yellow Earth intergade/Red Earth

Site Notes

Old Junee

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Laboratory Test Results:

Laboratory	1621 VE	suits.								
Depth	рН	1:5 EC		changeable Cations Mg K		Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		5	••	Cmol (+				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.87B 5.05B 5.54B 5.49B 5.38B 4.87B		4.44K 8.28K 4.85K 3.92K	0.57 2.05 1.88 2.22	0.67 1.29 0.92 0.83	0.06 0.08 0.09				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3		ticle Size CS FS	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