Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN182 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality: Murrulebale-Rannock

 Date Desc.:
 12/10/88
 Elevation:
 270 metres

 Map Ref.:
 Sheet No.: 8328
 1:100000
 Rainfall:
 No Data

Northing/Long.: 6164400 AMG zone: 55 Runoff: Moderately rapid Easting/Lat.: 520800 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: Rises

1-3%

Morph. Type:Simple-slopeRelief:10 metresElem. Type:FootslopeSlope Category:Gently inclinedSlope:2 %Aspect:180 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Cn2.11ASC Confidence:Great Soil Group:N/A

Confidence level not specified

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments:

Profile Morphology

Ap 0 - 0.1 m Strong brown (7.5YR4/6-Moist); ; Sandy clay loam, fine sandy; 2-10%, medium gravelly, 6-20mm,

subrounded, Quartz, coarse fragments; Gradual change to -

A3 0.1 - 0.3 m Strong brown (7.5YR4/6-Moist); ; Clay loam, sandy; 2-10%, medium gravelly, 6-20mm,

subrounded, Quartz, coarse fragments; Gradual change to -

B21 0.3 - 0.5 m Strong brown (7.5YR4/7-Moist); ; Sandy clay; 2-10%, medium gravelly, 6-20mm, subrounded,

Quartz, coarse fragments;

Morphological Notes

Observation Notes

gradational red profile, Red Earth

Site Notes

Owner Robert Menzies Craigowan. Wheat crop with wild oats on long footslope from rise 800 m. North.

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Laboratory Test Results:

Laboratory	16211/6	Suits.								
Depth	рН	1:5 EC		hangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		Ū		Cmol (+				%
0 - 0.1	4.52B		2.29K	0.58	0.54					
0.1 - 0.2	4.58B		3.05K	0.77	0.48	0.01				
0.2 - 0.3	5.11B		4.45K	1.31	0.39	0.03				
0.3 - 0.4	5.41B		5.03K	1.76	0.35	0.03				
0.4 - 0.5	5.72B									
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Pa	rticle Size	Analysis
		С	P	Р	N	K	Density	G۷	CS FS	Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	
0 - 0.1										
0 - 0.1										
0.1 - 0.2										
0.3 - 0.4										
0.4 - 0.5										
Depth	COLE		Grav	imetric/V	olumetric V	Vater Con	tents		K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar 15	Bar		
m				g/	/g - m3/m	3			mm/h	mm/h
0 04										
0 - 0.1 0.1 - 0.2										
0.1 - 0.2										
0.2 - 0.3										
0.3 - 0.4										
0.4 0.0										

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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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