Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV72 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality: Date Desc.: 23/08/88 Elevation

 Date Desc.:
 23/08/88
 Elevation:
 140 metres

 Map Ref.:
 Sheet No.: 8125
 1:100000
 Rainfall:
 No Data

 Northing/Long.:
 5998500 AMG zone: 55
 Runoff:
 Slow

Easting/Lat.: 411300 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:DYASC 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

Ap 0 - 0.2 m Brown (10YR4/3-Moist); ; Fine sandy loam; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6

mm), Concretions;

B21 0.2 - 0.5 m Brown (10YR5/3-Moist); , 10YR43, 10-20% , 5-15mm, Distinct; Light clay (Heavy); B22 0.5 - 0.8 m Brown (10YR5/3-Moist); , 10YR43, 10-20% , 5-15mm, Distinct; Medium clay;

Morphological Notes

B22 Hard CO3 nodules

Observation Notes

Grazing paddock, capeweed>clover=grasses. Heavier Moira loam? Yellowish brown duplex, CO3. RBE.

Site Notes

Wilby

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Laboratory Test Results:

Depth	pH	1:5 EC	Exc	hangeable	Cations	F	Exchangeable	CEC	ECEC	ESP
m	p	dS/m		Mg	K	Na Cmol (+)	Acidity	020	2020	%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	5.35B 5.43B 6.44B 7.23B 7.18B 7.64B		6.64K 7.7K 9.6K 10.59K	4.21 4.4 7.01 7.92	1.19 1.03 1.26 1.31	0.43 0.68 1.32 1.79				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Pa GV	rticle 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/Vo	olumetric V	Vater Cont	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	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

Extractable Min(%) - 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