Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV55 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality:

 Date Desc.:
 22/08/88
 Elevation:
 160 metres

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

 Northing/Long.:
 5995800 AMG zone: 55
 Runoff:
 Rapid

Easting/Lat.: 425100 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:No DataPattern Type:RisesMorph. Type:Mid-slopeRelief:10 metresElem. Type:HillslopeSlope Category:Very gently slopedSlope:2 %Aspect:150 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A N/A Principal Profile Form: DY ASC 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 - 0.1 m Very dark grey (5YR3/1-Moist); ; Fine sandy loam; 2-10%, fine gravelly, 2-6mm, subangular, coarse fragments;

A3 0.1 - 0.2 m Brown (7.5YR5/2-Moist); ; Fine sandy loam; 2-10%, fine gravelly, 2-6mm, subangular, coarse fragments;

AB 0.2 - 0.5 m Brown (7.5YR5/2-Moist); ; Sandy clay loam; 2-10%, medium gravelly, 6-20mm, angular, coarse fragments;

B2 0.5 - 0.8 m Brown (7.5YR5/2-Moist); , 5YR56, 10-20%, 5-15mm, Distinct; Medium clay; Very few (0 - 2 %),

Manganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

AB Stony B2 Gritty

Observation Notes

Grazing paddock . Grass, clover and weeds. Midslope 200m from crest of stoney hill (quartz). Duplex soil m clay with stoneline 30-50cm. Yellow Podzolic?

Site Notes

Peechelba

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Laboratory Test Results:

Depth	рН	1:5 EC	Excl	hangeable		E	Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca I	Mg	К	Na Cmol (+)	Acidity /kg			%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.11B 4.24B 4.3B 4.38B 4.62B 5.24B		3.08K 1.82K 1.05K 0.86K	2.88 2.11 2.3 2.84	0.35 0.29 0.37 0.51	0.69 0.59 0.49 0.53				
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/Vo	olumetric V	Vater Cont	ents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15		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