Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV93 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality:

Date Desc.: 25/08/88 Elevation: 130 metres Sheet No.: 8025 1:100000 Map Ref.: Rainfall: No Data 6006100 AMG zone: 55 Runoff: Northing/Long.: Slow 397100 Datum: AGD66 Poorly drained Easting/Lat.: Drainage:

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, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1 0 - 0.1 m Brown (7.5YR4/2-Moist); ; Fine sandy loam (Heavy); 0-2%, fine gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments;

A2 0.1 - 0.18 m Brown (7.5YR4/4-Moist); Light brown (7.5YR6/4-Dry); ; Fine sandy loam (Heavy); 0-2%, fine gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;

B21 0.18 - 0.5 m Yellowish red (5YR5/6-Moist); , 10YR63, 20-50% , 5-15mm, Distinct; Light clay; 0-2%, fine gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;

Yellowish brown (10YR5/4-Moist); , 7.5YR46, 10-20% , 5-15mm, Distinct; Sandy clay; 0-2%, fine

gravelly, 2-6mm, subrounded, Unconsolidated material (unidentified), coarse fragments;

Morphological Notes

0.5 - 0.8 m

A2 Not bleached. B22 CO3 nodules.

Observation Notes

Max Saunders. Grazing, capeweed>grasses, near edge of slight .5m local depression. Red duplex CO3, RBE.

Site Notes

B22

Burramine South

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Laboratory Test Results:

Laboratory	16211/6	suits.								
Depth	рН	1:5 EC		hangeable Viq	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		9		Cmol (%
0 - 0.1	4.43B		2.86K	1.65	0.75	0.1				
0.1 - 0.18	4.39B		2.78K	2.78	0.58	0.34				
0.2 - 0.3	4.68B		3.96K	6.43	0.7	0.93				
0.3 - 0.4	5.35B		3.88K	7.22	0.69	1.16				
0.4 - 0.5	6.27B									
0.7 - 0.8	7.35B									
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K		Par GV	rticle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%		٠.	%	One Olay
0 - 0.1										
0.1 - 0.18										
0.2 - 0.3										
0.3 - 0.4										
0.4 - 0.5										
0.7 - 0.8										
Depth	COLE		Grav	imetric/Vo	olumetric V	Nater Co	ntents		K sat	K unsat
		Sat.	0.05 Bar		0.5 Bar	1 Bar		5 Bar		
m		-	222		g - m3/m		- - w		mm/h	mm/h
0 - 0.1										
0.1 - 0.18										

0.1 - 0.18 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