Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV87 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality:

 Date Desc.:
 24/08/88
 Elevation:
 170 metres

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

 Northing/Long.:
 5985100 AMG zone: 55
 Runoff:
 Slow

Easting/Lat.: 414500 Datum: AGD66 Drainage: Imperfectly drained

<u>Geology</u>

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/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 - 0.15 m Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very

few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;

A2 0.15 - 0.4 m Light brownish grey (10YR6/2-Moist); Light grey (10YR7/2-Dry); ; Loamy sand; 0-2%, fine gravelly,

2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6

mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;

B21 0.4 - 0.6 m Brownish yellow (10YR6/6-Moist); ; Sandy clay loam (Heavy); 0-2%, fine gravelly, 2-6mm,

subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm),

Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;

B22 0.6 - 0.8 m Light yellowish brown (10YR6/4-Moist); , 7.5YR68, 2-10% , 0-5mm, Distinct; Light clay (Light); 0-

2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %),

Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm),

Nodules;

Morphological Notes

Ap Sandy.

A2 Sandy, cons. Bleached

B21 Sandy.

B22 Sandy, no CO3.

Observation Notes

Grazing, sorrel>clover>grass. Plain, 1km from low hills. Duplex sandy podzolic, bleached A2.

Site Notes

Bungeet

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Laboratory Test Results:

Laboratory	I COL NE	souits.								
Depth	рН	1:5 EC		hangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m		9		Cmol (-				%
0 - 0.1 0.15 - 0.2	4.59B 4.55B		3.86K 1.78K	0.91 0.55	0.55 0.21	0.15 0.11				
0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.7B 4.83B 4.88B 4.93B		0.91K 1.02K	0.39 0.84	0.12 0.14	0.1 0.23				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Tota K	ıl Bulk Density	Parti GV (cle Size	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3		%	
0 - 0.1 0.15 - 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 Co	ntents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15	Bar	mm/h	mm/h
0 - 0.1 0.15 - 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