Project Name: **Acids Soils in South Eastern Australia**
Project Code: **AcidSoils** **Site ID:** **AV100** **Observation ID:** **1**
Agency Name: **CSIRO Land and Water (ACT)**

Site Information

Desc. By: C.J. Chartres
Date Desc.: 25/08/88
Map Ref.: Sheet No. : 8025 1:100000
Northing/Long.: 5993100 AMG zone: 55
Easting/Lat.: 392700 Datum: AGD66
Locality:
Elevation: 160 metres
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Imperfectly drained

Geology

ExposureType: Auger boring
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: No Data
Morph. Type: Simple-slope
Elem. Type: Footslope
Slope: 3 %
Pattern Type: Low hills
Relief: 40 metres
Slope Category: No Data
Aspect: 90 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: DR
Great Soil Group: N/A

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	Dark reddish brown (5YR3/3-Moist); ; Sandy loam (Light); 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
A2	0.2 - 0.4 m	Strong brown (7.5YR5/6-Moist); Light brown (7.5YR6/4-Dry); ; Clayey sand; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
B21	0.4 - 0.8 m	Red (2.5YR4/6-Moist); , 7.5YR72, 20-50% , 15-30mm, Distinct; , 7.5YR32, 20-50% , 15-30mm, Distinct; Sandy medium clay; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;

Morphological Notes

A2 Not bleached.

Observation Notes

Pat Geary. Grazing, sorrel?>grasses=clover. Middle of long footslope from granite? Hill 600m away. Reddish Yellow Podzolic? Red Podzolic? Non Calcic Brown.

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1	4.73B		5.42K	0.73	0.68	0.11				
0.1 - 0.2	5.03B		6.89K	0.78	0.31	0.09				
0.2 - 0.3	5.56B		2.87K	0.45	0.11	0.07				
0.3 - 0.4	5.69B		1.74K	0.43	0.09	0.08				
0.4 - 0.5	6.16B									
0.7 - 0.8	6.94B									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
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	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3						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
15_NR_CA	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct