Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AV85 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: C.J. Chartres Locality:

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

 Map Ref.:
 Sheet No.: 8025
 1:100000
 Rainfall:
 No Data

 Northing/Long.:
 5974800 AMG zone: 55
 Runoff:
 Rapid

Easting/Lat.: 410000 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: Undulating low hills 30-90m 3- Pattern Type: Low hills

10%

Morph. Type:Mid-slopeRelief:50 metresElem. Type:HillslopeSlope Category:Gently inclinedSlope:6 %Aspect:80 degrees

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

0 - 0.1 m qΑ Very dark grey (10YR3/1-Moist); ; Loamy sand (Heavy); 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; АЗ 0.1 - 0.2 m Greyish brown (10YR5/2-Moist); ; Loamy sand; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; B21 0.2 - 0.5 m Greyish brown (10YR5/2-Moist); ; Light clay; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments; B22 Greyish brown (10YR5/2-Moist);; Sandy loam; 2-10%, fine gravelly, 2-6mm, rounded, Quartz, 0.5 - 0.6 m coarse fragments;

Morphological Notes

B22 No CO3.

Observation Notes

Malcolm Ellis. Duplex sandy grey hillside profile on granite hill lateral intersection, no CO3. Podzolic? Classified NCBS?

Site Notes

Bungeet West

Acids Soils in South Eastern Australia

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Laboratory Test Results:

0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5

Laboratory	1est Re	<u>suits.</u>										
Depth	рН	1:5 EC			Cations	Na	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	4.64B 4.98B 5.42B 5.76B 6.73B		3.5K 1.81K 4.5K 4.63K	1.24 1.13 8.18 9.2	0.26 0.14 0.32 0.33	0.39 0.37 2.54 3.46						
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %	l Bulk Density Mg/m3	Pa GV	rticle CS	Size FS %	Analysi Silt	is Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5												
Depth m 0 - 0.1	COLE	Sat.	Gravimetric/Volumetric Water Contents 0.05 Bar 0.1 Bar 0.5 Bar 1 Bar 5 Bar 15 Bar g/g - m3/m3							K sat K u		

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Laboratory Analyses Completed for this profile

13_NR_AL 13_NR_MN Extractable Al(%) - Not recorded Extractable Mn(%) - 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 (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