Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN143 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality:

 Date Desc.:
 29/09/88
 Elevation:
 260 metres

 Map Ref.:
 Sheet No.: 8327
 1:100000
 Rainfall:
 No Data

Northing/Long.: 6081900 AMG zone: 55 Runoff: Moderately rapid
Easting/Lat.: 513600 Datum: AGD66 Drainage: Moderately well 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:30 metresElem. Type:HillslopeSlope Category:Gently inclinedSlope:6 %Aspect:220 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:DR2.21ASC 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: 10-20%, coarse gravelly, 20-60mm, subangular,

Profile Morphology

Ap 0 - 0.1 m Dark brown (7.5YR3/4-Moist); ; Sandy loam; 20-50%, medium gravelly, 6-20mm, angular,

Stabilised soil, coarse fragments; 20-50%, medium gravelly, 6-20mm, angular, Quartz, coarse

fragments;

A2 0.1 - 0.3 m Yellowish red (5YR4/6-Moist); Reddish brown (5YR5/4-Dry); ; Sandy loam; 50-90%, coarse

gravelly, 20-60mm, angular, Stabilised soil, coarse fragments;

B21 0.3 - 0.8 m Red (2.5YR4/8-Moist); ; Sandy clay; 50-90%, coarse gravelly, 20-60mm, angular, Stabilised soil,

coarse fragments; 50-90%, coarse gravelly, 20-60mm, angular, Shells, coarse fragments;

Morphological Notes

Ap Stoney.

A2 Stoney, not bleached.

B21 Stoney.

Observation Notes

Weeds>clover=grasses. No Co3, pale A2, similar to AN142 except stonier. Red Podzolic (stoney).

Site Notes

Mangoplah

Acids Soils in South Eastern Australia

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Project Name: Project Code: Agency Name:

Laboratory Test Results:

Depth	pH	1:5 EC	Evo	hangeable	Cations		Exchangeable	CEC	ECEC	ESP
т	рп	dS/m		Mg	K	Na Cmol (+	Acidity	CEC	ECEC	% %
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.61B 5.34B 4.83B 5.16B 5.34B 5.88B		4.28K 3.1K 2.46K 5.21K	0.77 0.5 0.58 2.58	0.55 0.27 0.17 0.47	0.06 0.04				
Depth m	CaCO3	Organic C %	Avail. P mg/kg	Total P %	Total N %	Tota K %	I Bulk Density Mg/m3	Par GV	ticle 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/V	olumetric V	Vater Con	itents		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15	Bar	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_AL Exchangeable aluminium - method not recorded

Exchangeable aluminium - method 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

4B1