Project Name: Acids Soils in South Eastern Australia

Project Code: Site ID: AN38 Observation ID: 1 AcidSoils

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: Date Desc.: G. W. Geeves Locality:

21/07/88 Elevation: 240 metres Sheet No.: 8327 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 6079800 AMG zone: 55 Runoff: Moderately rapid 504600 Datum: AGD66 Moderately well drained Drainage:

Easting/Lat.:

Geology

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

Land Form

Rel/Slope Class: Gently undulating rises 9-30m Pattern Type: Rises

Simple-slope Morph. Type: Relief: 10 metres Elem. Type: Hillslope Slope Category: Very gently sloped Aspect: 350 degrees Slope:

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: Mapping Unit: N/A **Principal Profile Form:** GN2.12 N/A **ASC Confidence:** N/A **Great Soil Group:**

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 Аp Dark reddish brown (5YR3/4-Moist); ; Loam;

Red (2.5YR4/6-Moist); ; Clay loam; АЗ 0.1 - 0.2 m B21 0.2 - 0.4 m Red (2.5YR4/6-Moist); ; Sandy clay;

B22 0.4 - 0.8 m Yellowish red (5YR5/8-Moist); ; Sandy clay;

Morphological Notes

Observation Notes

Grazing paddock, grasses and clover. Like 36,37 but A2 too heavy. Red Podzolic? Midslope 50m from crest. R Earth.

Site Notes

Yerong Creek

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Laboratory Test Results:

Laboratory						_				
Depth	рН	1:5 EC		hangeable	Cations K	Na E	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca i	Иg	ĸ	Cmol (+)				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.63B 4.96B 5.42B 5.46B 6.12B 6.09B		6.32K 5.22K 5.54K 11.06K	1.05 1.06 1.39 7.21	1.41 0.85 0.68 1.27	0.07 0.05 0.07 0.64				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density		CS FS	Analysis 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		Grav	imetric/Vo	olumetric V	Vater Cont	tents		K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar /g - m3/m	1 Bar	5 Bar 15 I	3ar	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

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