Project Name: Acids Soils in South Eastern Australia

Project Code: Site ID: AN100 Observation ID: 1 AcidSoils

Agency Name: CSIRO Land and Water (ACT)

Site Information

G. W. Geeves Locality:

Desc. By: Date Desc.: Elevation: 10/08/88 350 metres Sheet No.: 8428 1:100000 Map Ref.: Rainfall: No Data

Northing/Long.: 6173500 AMG zone: 55 Runoff: Moderately rapid 547300 Datum: AGD66 Moderately well drained Easting/Lat.: Drainage:

Geology

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

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10% Pattern Type: Rises Morph. Type: Lower-slope Relief: 10 metres Slope Category: Elem. Type: Gently inclined Hillslope 3 % Aspect: 30 degrees Slope:

Surface Soil Condition (dry):

Erosion:

Soil Classification

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

Confidence level not specified

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Sod grass, <0.25m, Closed or dense. *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Dark reddish brown (2.5YR3/4-Moist); ; Fine sandy loam (Heavy); Α1 0 - 0.1 m

В1 0.1 - 0.3 m Dark red (2.5YR3/6-Moist); ; Clay loam; B2 0.3 - 0.8 m Red (10R4/6-Moist); ; Light clay;

Morphological Notes

Observation Notes

Scattered timber, grasses>broadleaves, never cropped. Gradational profile, no carbonate, bright Red Earth.

Site Notes

Temora

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Laboratory Test Results:

Depth	рН	1:5 EC			angeable Cations		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 0.7 - 0.8	4.69B 4.63B 4.96B 5.27B 5.59B 5.95B		5.8K 5.95K 5.27K 5.75K	1.25 1.53 1.58 2.02	1.09 0.91 0.76 0.68	0.02 0.03 0.05 0.05				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic		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	1	K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar g - m3/m	1 Bar 3	5 Bar 15 E		nm/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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