Project Name: Acids Soils in South Eastern Australia

Project Code: AcidSoils Site ID: AN235 Observation ID: 1

Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By: G. W. Geeves Locality: Walleroobie Date Desc.: Elevation: 18/05/89 240 metres Sheet No.: 8328 1:100000 Map Ref.: Rainfall: No Data Northing/Long.: 6181500 AMG zone: 55 Runoff: Slow

Easting/Lat.: 510900 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:Undulating plains <9m 3-10%</th>Pattern Type:PlainMorph. Type:No DataRelief:5 metresElem. Type:PlainSlope Category:LevelSlope:1 %Aspect:270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:Mapping Unit:N/AN/APrincipal Profile Form:Gn2.12ASC 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:

Profile Morphology

Ap 0 - 0.1 m Dark reddish brown (5YR3/4-Moist); ; Sandy loam; 0-2%, fine gravelly, 2-6mm, angular,

Unconsolidated material (unidentified), coarse fragments; Gradual change to -

B1 0.1 - 0.3 m Dark red (2.5YR3/6-Moist); ; Sandy clay loam; 2-10%, fine gravelly, 2-6mm, subangular, Quartz,

coarse fragments; Gradual change to -

B21 0.3 - 0.8 m Red (2.5YR4/6-Moist); ; Clay loam, sandy;

Morphological Notes

Observation Notes

Gradational bright red profile, probably hardsetting and earthy fabric. No CO3. Red Earth similar to An 234 etc but with more coarse sand throughout.

Site Notes

Owners: Tim Seymore, Mrs. Hewitt. Reasonable short cover of clovers and grasses in grazing paddock near crest of slight indulation.

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Laboratory Test Results:

Depth Depth	pH	1:5 EC		hangeable			xchangeable	CEC	ECEC	ESP
m		dS/m	Ca I	Иg	К	Na Acidity Cmol (+)/kg				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8	4.44B 4.78B 5.38B 5.51B 5.65B 6.17B		2.46K 2.88K 2.87K 3.02K	0.73 1.08 1.59 2.21	0.62 0.38 0.32 0.34					
Depth	CaCO3	Organic C %	Avail. P	Total P %	Total N %	Total K %	Bulk Density	Partic GV C		Analysis Silt Clay
m 0 - 0.1 0.1 - 0.2			mg/kg				Mg/m3			
0.2 - 0.3 0.3 - 0.4 0.4 - 0.5 0.7 - 0.8										
Depth	COLE		Grav	imetric/Vo	olumetric W	ater Cont	ents	1	K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m3	1 Bar	5 Bar 15	Bar r	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 13_NR_MN Extractable Al(%) - Not recorded Extractable Mn(%) - Not recorded

Exchangeable aluminium - method not recorded

15_NR_AL 15_NR_CA 15_NR_K Exchangeable audministri - metrod 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 pH of 1:5 soil/0.01M calcium chloride extract - direct 15_NR_MG