Project Name: Acids Soils in South Eastern Australia Project Code: AcidSoils Site ID: AN194 Observation ID: 1 Agency Name: CSIRO Land and Water (ACT)									
Site Information Desc. By: G. W. Geeves Date Desc.: 15/05/89 Map Ref.: Sheet No. : 8328 1:100000 Northing/Long.: 6145700 AMG zone: 55 Easting/Lat.: 543900 Datum: AGD66				Locality: Old Junee Elevation: 310 metres Rainfall: No Data Runoff: Moderately rapid Drainage: Imperfectly drained			d		
Exposu	Geology ExposureType: Auger boring Geol. Ref.: No Data			Conf. Sub. is Parent. Mat.:No DataSubstrate Material:No Data					
<u>Land F</u> Rel/Slo	Form pe Class:	Undu 10%	ulating low hills 30-90m 3-	Pattern Type:		Low hills			
Morph. Elem. T Slope:		Lowe Hillsl 3 %	Relief: Slope Categor Aspect:	y:	50 metres Gently inclined 90 degrees				
Surfac	e Soil Co	onditi	on (dry):						
<u>Erosio</u>	<u>n:</u>								
Soil Cl	lassificat	ion							
N/A ASC C	lian Soil C onfidence	:		Mapping Unit:N/APrincipal Profile Form:Gn2.12Great Soil Group:N/A					
Site Di	isturband	: <u>e:</u> Co	omplete clearing. Pasture, na	tive or improved,	culti	ivated at so	ome stag	e	
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 (5YR3/3-Moist); ; Fine sandy loam (Heavy);									
							VD40 40 00% 45 00mm		
B2 0.1 - 0.6 m Red (2.5YR4/6-Moist); Dark yellowish brown (10YR4/6-Moist); , 2.5YR46, 10-20%, 15-30mm, Distinct; Fine sandy clay;								τκ4ο, τυ-20% , 15-30mm,	
B22 0.6 - 0.8 m Dark yellowish brown (10YR4/6-Moist); , 2.5YR46, 10-20% , 15-30mm, Distinct; Fine sandy of Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Concretions;							nm, Distinct; Fine sandy clay;		

Morphological Notes

Observation Notes

Gradational red profile, yellowing with depth, darker Ap top 10 cm. No carbonate. Red Earth.

Site Notes

Owner: Roy Lawrence. Stubble and weed paddock. Lower slope 500 m from crest of low hills (some granite on hills?). Grasses and Pattorsons curse. Rolling country, parna covered hill country - moist hard surface.

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Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Mg	e Cations K	E: Na	xchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ga	ing	ĸ	Cmol (+)/				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.6 0.6 - 0.8	4.56B 4.74B 5.21B 5.48B 5.74B 5.85B		4.06K 4.34K 4.52K 4.91K	0.76 1.12 1.52 2	0.7 0.45 0.35 0.29	0.03 0.03 0.04 0.09				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Partic GV CS	le Size S FS	Analysis Silt Clay
m	%	%	mg/kg	%	%	%	Mg/m3	07 00	%	Sint Citay
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4 0.4 - 0.6 0.6 - 0.8										
Depth	COLE		Grav	vimetric/V	olumetric V	Vater Conte	ents	ŀ	(sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 I		nm/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4										

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0.4 - 0.6 0.6 - 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
- 15_NR_CA 15_NR_K
- 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_MG
- 15_NR_NA
- 4B1