Project Name:	Acids Soils in South Eastern Australia				
Project Code:	AcidSoils	Site ID:	AN40		
Agency Name:	CSIRO Land and Water (ACT)				

Observation ID: 1

Site Information Desc. By: Date Desc.: Map Ref.:	<u>n</u> G. W. Geeves 21/07/88 Sheet No. : 8327 1:100000	Locality: Elevation: Rainfall:	230 metres No Data		
Northing/Long.:		Runoff:	Moderately rapid		
Easting/Lat.: Geology	508400 Datum: AGD66	00 Datum: AGD66 Drainage: Poorly drained			
ExposureType: Geol. Ref.:	Auger boring No Data	Conf. Sub. is Pare Substrate Materia			
Land Form					
Rel/Slope Class:	Undulating low hills 30-90m 3- 10%	Pattern Type:	Low hills		
Morph. Type: Elem. Type:	Simple-slope Hillslope 3 %	Relief: Slope Category:	15 metres Gently inclined		
Slope: Surface Soil Co		Aspect:	290 degrees		
Erosion:	<u>Shallon (ary).</u>				
Soil Classificat	ion				
Australian Soil C	lassification:	Mappi	ng Unit:	N/A	
			• - · · · ·	D)/0.00	
N/A		Princi	pal Profile Form:	DY3.23	
ASC Confidence	-		pal Profile Form: Soil Group:	N/A	
ASC Confidence Confidence level	not specified	Great	Soil Group:	N/A	
ASC Confidence Confidence level Site Disturbance	-	Great	Soil Group:	N/A	
ASC Confidence Confidence level	not specified	Great	Soil Group:	N/A e	
ASC Confidence Confidence level Site Disturband Vegetation:	not specified <u>ce:</u> Complete clearing. Pasture, r	Great anative or improved, cult	Soil Group:	N/A e	
ASC Confidence Confidence level Site Disturband Vegetation: Surface Coarse Profile Morpho	not specified :e: Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25 : Fragments: No surface coars logy	Great native or improved, cult 5m, Closed or dense. *3 se fragments	Soil Group: ivated at some stag Species includes - N	N/A e	
ASC Confidence Confidence level Site Disturband Vegetation: Surface Coarse	not specified ce: Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25 e Fragments: No surface coars logy	Great native or improved, cult 5m, Closed or dense. *3 se fragments	Soil Group: ivated at some stag Species includes - N	N/A e	
ASC Confidence Confidence level Site Disturband Vegetation: Surface Coarse Profile Morpho	Tall Strata - Sod grass, <0.25 Fragments: No surface coars No surface coars	Great native or improved, cult 5m, Closed or dense. *3 se fragments (10YR3/2-Moist); ; Fine ist); Pinkish grey (7.5Y	Soil Group: ivated at some stag Species includes - N sandy loam; R6/2-Dry); ; Loamy	N/A e	
ASC Confidence Confidence level Site Disturbance Vegetation: Surface Coarse Profile Morpho A1 0 - 0.12 r	not specified 2e: Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25 2 Fragments: No surface coars logy m Very dark greyish brown (10 38 m Pale brown (10 YR6/3-Mo gravelly, 6-20mm, subrou	Great native or improved, cult 5m, Closed or dense. * e fragments (10YR3/2-Moist); ; Fine ist); Pinkish grey (7.5Y inded, Granite, coarse , 10YR64, 10-20% , 5-	Soil Group: ivated at some stag Species includes - N sandy loam; R6/2-Dry); ; Loamy fragments;	N/A e None Recorded	
ASC Confidence Confidence level Site Disturband Vegetation: Surface Coarse Profile Morpho A1 0 - 0.12 r A2 0.12 - 0.3 B2 0.38 - 0.8 Morphological	Tall Strata - Sod grass, <0.25 Tall Strata - Sod grass, <0.25 Fragments: No surface coars logy M Very dark greyish brown (38 m Pale brown (10YR6/3-Mo gravelly, 6-20mm, subrou 8 m Brown (7.5YR5/4-Moist); Distinct; Sandy clay loam Notes	Great native or improved, cult 5m, Closed or dense. * e fragments (10YR3/2-Moist); ; Fine ist); Pinkish grey (7.5Y inded, Granite, coarse , 10YR64, 10-20% , 5-	Soil Group: ivated at some stag Species includes - N sandy loam; R6/2-Dry); ; Loamy fragments;	N/A e None Recorded fine sand; 10-20%, medium	
ASC Confidence Confidence level Site Disturband Vegetation: Surface Coarse Profile Morpho A1 0 - 0.12 r A2 0.12 - 0.3 B2 0.38 - 0.8	Tall Strata - Sod grass, <0.25 Tall Strata - Sod grass, <0.25 Fragments: No surface coars logy M Very dark greyish brown of 38 m Pale brown (10YR6/3-Mo gravelly, 6-20mm, subrou 8 m Brown (7.5YR5/4-Moist); Distinct; Sandy clay loam Notes Pale A2, some gravel.	Great native or improved, cult 5m, Closed or dense. * e fragments (10YR3/2-Moist); ; Fine ist); Pinkish grey (7.5Y inded, Granite, coarse , 10YR64, 10-20% , 5-	Soil Group: ivated at some stag Species includes - N sandy loam; R6/2-Dry); ; Loamy fragments;	N/A e None Recorded fine sand; 10-20%, medium	

Observation Notes

Lower simple slope 400m from crest. Grazing paddock dense weeds, lambs tongue, p. curse and radish? Solodic soil. Yellow or gleyed podzolic. Bleached A2, texture contrast.

Site Notes

The Rock

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Agency Name:	CSIRO Land and	l Water (A0	CT)	

Laboratory Test Results:

Depth	рН	1:5 EC		hangeable Mg	e Cations K	E: Na	xchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca I	vig	n	Ma Cmol (+)/				%
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.38 0.4 - 0.5 0.7 - 0.8	5.2B 5.68B 5.69B 5.95B 7.02B 7.43B		5.01K 3.84K 2.44K 3.12K	1.05 0.65 0.49 1.36	0.48 0.19 0.11 0.14	0.2 0.13 0.14 0.48				
Depth m	CaCO3 %	Organic C %	Avail. P mg/kg	Total P %	Total N %	Total K %	Bulk Density Mg/m3	Particl GV CS		Analysis Silt Clay
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.38 0.4 - 0.5 0.7 - 0.8										
Depth	COLE		Grav	imetric/Vo		Vater Conte			sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar g/	0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 I		ım/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.38										

1

0.4 - 0.5 0.7 - 0.8

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Observation ID: 1

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