Project Name:	Acids Soils in	South Easte	ern Australia		
Project Code:	AcidSoils	Site ID:	AN102		
Agency Name:	CSIRO Land and Water (ACT)				

Observation ID: 1

Site Information					
Desc. By: Date Desc.:	G. W. Geeves 10/08/88	W. Geeves Locality: /08/88 Elevation: 330 metres			
Map Ref.:	Sheet No. : 8428 1:100000	Rainfall:	330 metres No Data		
Northing/Long.:		Runoff:	Moderately rapid		
Easting/Lat.:	549400 Datum: AGD66	Drainage:	Moderately well drained		
<u>Geology</u>					
ExposureType:	Auger boring	Conf. Sub. is Pare			
Geol. Ref.:	No Data	Substrate Materia	I: No Data		
Land Form					
Rel/Slope Class:	: Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises		
Morph. Type:	Lower-slope	Relief: Slope Category:	10 metres		
			Very gently sloped		
Slope:	2%	Aspect:	240 degrees		
Surface Soil C	ondition (dry):				
Erosion:					
Soil Classifica	tion				
		M 1	ing Unit: N/A		
Australian Soil C	Classification:	••			
N/A		Princi	pal Profile Form: GN2.11		
N/A ASC Confidence	e:	Princi			
N/A ASC Confidence Confidence level	e: not specified	Princi Great	ipal Profile Form: GN2.11 Soil Group: N/A		
N/A ASC Confidence Confidence level <u>Site Disturban</u>	e:	Princi Great	ipal Profile Form: GN2.11 Soil Group: N/A		
N/A ASC Confidence Confidence level	e: not specified <u>ce:</u> Complete clearing. Pasture, r	Princi Great native or improved, cult	ipal Profile Form: GN2.11 Soil Group: N/A tivated at some stage		
N/A ASC Confidence Confidence level <u>Site Disturban</u> Vegetation:	e: not specified <u>ce:</u> Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25	Princi Great native or improved, cult 5m, Closed or dense. *3	ipal Profile Form: GN2.11 Soil Group: N/A		
N/A ASC Confidence Confidence level <u>Site Disturban</u> <u>Vegetation:</u> <u>Surface Coars</u>	e: not specified <u>ce:</u> Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25 <u>e Fragments:</u> No surface coars	Princi Great native or improved, cult 5m, Closed or dense. *3	ipal Profile Form: GN2.11 Soil Group: N/A tivated at some stage		
N/A ASC Confidence Confidence level <u>Site Disturban</u> Vegetation:	e: not specified <u>ce:</u> Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25 <u>e Fragments:</u> No surface coars <u>blogy</u>	Princi Great native or improved, cult 5m, Closed or dense. *: se fragments	pal Profile Form: GN2.11 Soil Group: N/A tivated at some stage Species includes - None Recorded		
N/A ASC Confidence Confidence level <u>Site Disturban</u> <u>Vegetation:</u> <u>Surface Coars</u> <u>Profile Morpho</u>	e: not specified <u>ce:</u> Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25 <u>e Fragments:</u> No surface coars <u>blogy</u> n Dark reddish brown (5YR 5 m Red (2.5YR4/8-Moist); ; 0	Princi Great ative or improved, cult 5m, Closed or dense. *(5e fragments (3/4-Moist); ; Silty loam Clay loam; 0-2%, fine g), Manganiferous, Med	pal Profile Form: GN2.11 Soil Group: N/A tivated at some stage Species includes - None Recorded		
N/A ASC Confidence Confidence level <u>Site Disturban</u> <u>Vegetation:</u> <u>Surface Coars</u> <u>Profile Morpho</u> A1 0 - 0.2 n	e: not specified <u>ce:</u> Complete clearing. Pasture, r Tall Strata - Sod grass, <0.25 <u>e Fragments:</u> No surface coars <u>blogy</u> n Dark reddish brown (5YR 5 m Red (2.5YR4/8-Moist); ; C fragments; Few (2 - 10 % Ferruginous, Medium (2 - 8 m Yellowish brown (10YR5/	Princi Great native or improved, cult 5m, Closed or dense. *3 a fragments (3/4-Moist); ; Silty loam Clay loam; 0-2%, fine g), Manganiferous, Med 6 mm), Nodules; (6-Moist); ; Sandy clay; 2 - 10 %), Manganiferou	pal Profile Form: GN2.11 Soil Group: N/A tivated at some stage Species includes - None Recorded ; ravelly, 2-6mm, rounded, Quartz, coarse		

Observation Notes Peter Fitzpatrick, "Erin Vale". Grazing paddock, broadleafs>grasses. Gradational profile, no carbonate, Red Earth.

Site Notes

Old Junee

Project Name:	Acids Soils in S			
Project Code:	AcidSoils	Site ID:	AN102	Observation ID:
Agency Name:	CSIRO Land and	d Water (A	CT)	

Laboratory Test Results:

Depth	pН	1:5 EC		hangeable	e Cations K		xchangeable	CEC	ECEC	ESP
m		dS/m	Ca I	Mg	n	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	4.1B 4.34B 4.59B 5.16B 5.5B 5.67B		2.54K 2.72K 3.83K 5K	0.62 0.72 1.27 1.98	0.97 0.85 0.79 0.82	0.06 0.02 0.04				
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Parti GV (cle Size CS FS	Analysis Silt Clay
m	%	%	۳ mg/kg	P %	N %	к %	Mg/m3	GV	ла га %	Sift Clay
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/V	olumetric V	Vater Cont	ents		K sat	K unsat
m		Sat.	0.05 Bar		0.5 Bar /g - m3/m	1 Bar 3	5 Bar 15 I		mm/h	mm/h
0 - 0.1 0.1 - 0.2 0.2 - 0.3 0.3 - 0.4										

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0.4 - 0.5 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
- 15_NR_MG
- 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_NA
- 4B1