

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN145 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	29/09/88	Elevation:	230 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6082500 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	509700 Datum: AGD66	Drainage:	Imperfectly 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:	Gently undulating rises 9-30m 1-3%	Pattern Type:	Rises
Morph. Type:	No Data	Relief:	10 metres
Elem. Type:	Footslope	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	360 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	GN3.9
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B2	0.2 - 0.3 m	Light brownish grey (10YR6/2-Moist); ; Silty clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B21	0.3 - 0.8 m	Yellowish brown (10YR5/4-Moist); , 10YR42, 10-20% , 15-30mm, Distinct; Light medium clay;

Morphological Notes

B21 CO3 at 70cm.

Observation Notes

Patchy late oats crop. Lower part of long 2km footslope from hills to S. Yellow clayey profile. CO3 at 70cm. Not really duplex? Similar to AN137? Cross between brown clay/solodic? RBE?

Site Notes

Yerong Creek

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	4.99B		8.36K	1.29	1.1	0.04			
0.1 - 0.2	5.35B		12.82K	1.51	1	0.04			
0.2 - 0.3	5.59B		7.54K	1.58	0.5				
0.3 - 0.4	5.85B		12.76K	4.82	0.86	0.05			
0.4 - 0.5	6.15B								
0.7 - 0.8	7B								

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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	Exch. basic cations (Ca++) - meq per 100g of soil - Not recorded
15_NR_K	Exch. basic cations (K++) - meq per 100g of soil - Not recorded
15_NR_MG	Exch. basic cations (Mg++) - meq per 100g of soil - Not recorded
15_NR_NA	Exch. basic cations (Na++) - meq per 100g of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct