

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN181 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	Murrumbidgee - Rannock
Date Desc.:	12/10/88	Elevation:	260 metres
Map Ref.:	Sheet No. : 8328 1:100000	Rainfall:	No Data
Northing/Long.:	6163900 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	524700 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:	Level plain <9m <1%	Pattern Type:	Rises
Morph. Type:	Flat	Relief:	2 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0.5 %	Aspect:	360 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Um6.13
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments:

Profile Morphology

Ap	0 - 0.1 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
B1	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Gradual change to -
B21	0.3 - 0.6 m	Red (2.5YR4/8-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules; Gradual change to -
B22	0.6 - 0.8 m	Red (2.5YR4/6-Moist); ; Clay loam, sandy; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;

Morphological Notes

Observation Notes

Uniform sandy red profile, Red Earth

Site Notes

Owner Jim Higman RMB 47 Rannock. Oats crop on gently sloping plain.

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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 Cmol (+)/kg	Acidity		%
0 - 0.1	4.62B		2.51K	0.68	0.83				
0.1 - 0.2	4.74B		3.53K	0.99	0.78				
0.2 - 0.3	5.31B		4.19K	1.47	0.79				
0.3 - 0.4	5.69B		4.39K	1.86	0.7				
0.4 - 0.5	5.79B								
0.7 - 0.8	6.33B								

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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
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct