

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV10 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	31/05/88	Elevation:	150 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5996800 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	444800 Datum: AGD66	Drainage:	Poorly 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:	Plain
Morph. Type:	Flat	Relief:	1 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0.2 %	Aspect:	No Data

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:	DY
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

Tall Strata - Sod grass, <0.25m, Sparse. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Nodules;
A3	0.1 - 0.18 m	Very dark greyish brown (10YR3/2-Moist); , 10YR62, 10-20% , 5-15mm, Prominent; Clay loam; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Nodules;
B22	0.18 - 0.65 m	Yellowish brown (10YR5/6-Moist); , 10YR52, 10-20% , 5-15mm, Prominent; Medium clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Nodules;
B23	0.65 - 0.8 m	Brown (10YR5/3-Moist); ; Medium heavy clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Unidentified, Fine (0 - 2 mm), Nodules;

Morphological Notes

Observation Notes

Frank McMahon's no lime freshly sown to oats and weeds, flat site. Duplex yellow soil. pH in B high, weak A2, Solodic

Site Notes

Diddah Diddah 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 Cmol (+)/kg	Acidity		%
0 - 0.1	4.45B		5.13K	1.93	0.98	0.17			
0.1 - 0.2	4.37B		5.4K	2.49	0.59	0.38			
0.2 - 0.3	5.09B		5.93K	4.27	0.54	1			
0.3 - 0.4	6.1B		8.78K	7.7	0.57	2.29			
0.4 - 0.5	5.89B								
0.7 - 0.8	7.12B								

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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_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