

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV23 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	01/06/88	Elevation:	143 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5997700 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	438100 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:	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: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Brown (10YR4/3-Moist); ; Fine sandy loam (Heavy); Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;
A2	0.2 - 0.42 m	Pale brown (10YR6/3-Moist); Very pale brown (10YR7/3-Dry); ; Silty loam; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Nodules; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
B	0.42 - 0.8 m	Brown (7.5YR5/4-Moist); , 7.5YR46, 0-2% , 0-5mm, Distinct; , 10YR63, 0-2% , 0-5mm, Distinct; Medium clay; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules;

Morphological Notes

A2	Cons bleached A2
B	Darker mottles. Paler mottles are prominent with depth.

Observation Notes

Just to SW of swampy area. Duplex soil. A2 needs dry colour to check if bleached. Possibly solodic if pH high at depth. Road deviates from ap. Pasture, clover and annual grass. Cons bleached A2, Yellow podzolic, pH(Ca)<7 in B/C.

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	3.96B		1.94K	0.43	0.52	0.09			
0.1 - 0.2	3.99B		1.33K	0.32	0.42	0.07			
0.2 - 0.3	4.38B		1.18K	0.35	0.37	0.05			
0.3 - 0.4	4.97B		1.29K	0.41	0.4	0.07			
0.4 - 0.5	5.5B								
0.7 - 0.8	5.91B								

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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