

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV108 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	25/08/88	Elevation:	150 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5994800 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	410300 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:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	5 metres
Elem. Type:	Footslope	Slope Category:	Level
Slope:	0.5 %	Aspect:	270 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	DY
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 - 0.12 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions;
A2	0.12 - 0.3 m	Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR6/2-Dry); ; Fine sandy loam; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Concretions; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions;
AB	0.3 - 0.35 m	Yellowish brown (10YR5/6-Moist); ; Clay loam, fine sandy (Heavy); Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions; Few (2 - 10 %), Aluminous, Medium (2 -6 mm), Concretions;
B2	0.35 - 0.8 m	Yellowish brown (10YR5/8-Moist); ; Light clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Concretions; Very few (0 - 2 %), Aluminous, Medium (2 -6 mm), Concretions;

Morphological Notes

A2	Not bleached, possibly bleached when dry?
B2	No CO3

Observation Notes

Neil Symes. Footslope <half a degree slope to W. Wheat crop, box swamp 120m to N. Brownish duplex soil typical of lower areas.

Site Notes

N.E.Victoria

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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	4.64B		4.87K	1.33	0.86	0.11			
0.1 - 0.2	5.25B		7.58K	0.24	0.56	0.09			
0.2 - 0.3	6.13B		3.72K	1.18	0.32	0.1			
0.3 - 0.4	6.42B		4.99K	2.39	0.41	0.15			
0.4 - 0.5	6.84B								
0.7 - 0.8	6.96B								

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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