

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV51 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	03/06/88	Elevation:	140 metres
Map Ref.:	Sheet No. : 8025 1:100000	Rainfall:	No Data
Northing/Long.:	6010600 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	407700 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:	Plain
Morph. Type:	Flat	Relief:	1 metres
Elem. Type:	Plain	Slope Category:	Level
Slope:	0 %	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:	GN DB
		Great Soil Group:	N/A

Site Disturbance: Cultivation. Rainfed

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.1 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam;
A1	0.1 - 0.22 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam (Heavy); Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B1	0.22 - 0.5 m	Strong brown (7.5YR4/6-Moist); , 10YR63, 10-20% , 5-15mm, Distinct; , 5YR58, 10-20% , 5-15mm, Distinct; Clay loam, fine sandy; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B2	0.5 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Light medium clay;

Morphological Notes

B1 Becoming finer with depth, sporadic bleach. Mottle had a dry colour of 10YR7/3.

Observation Notes

No lime, fallow.reasonably well drained for low lying site, possibly an old levee or dune. Swamp/channel 70m to E. Level plain 100m N of drainage ditch. Like Devenish? Grad duplex intergrade. Non calcic brown? No effervescence.

Site Notes

Yarrawonga

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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	5.47B		4.53K	0.78	0.76	0.17			
0.1 - 0.2	4.63B		2.51K	0.58	0.54	0.08			
0.2 - 0.3	4.68B		1.67K	0.8	0.35	0.09			
0.3 - 0.4	5.05B		5.09K	2.06	0.36	0.26			
0.4 - 0.5	5.62B								
0.7 - 0.8	6.97B								

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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