

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV78 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	24/08/88	Elevation:	135 metres
Map Ref.:	Sheet No. : 8025 1:100000	Rainfall:	No Data
Northing/Long.:	5997700 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	403700 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 %	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:	DB
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

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 - 0.2 m	Brown (7.5YR4/4-Moist); ; Clay loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;
A3	0.2 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Clay loam (Heavy);
B21	0.3 - 0.6 m	Brown (7.5YR4/4-Moist); , 7.5YR64, 10-20% , 0-5mm, Distinct; Medium clay;
B22	0.6 - 0.8 m	Strong brown (7.5YR4/6-Moist); ; Medium clay;

Morphological Notes

B22 CO3 effervescence

Observation Notes

John Gardiner. Grazing paddock, grasses>clover. Duplex red brown profile, CO3, heavier RBE.

Site Notes

Tungamah

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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	Acidity		%
						Cmol (+)/kg			
0 - 0.1	4.86B		3.97K	1.11	0.81	0.2			
0.1 - 0.2	4.4B		3.05K	1.05	0.42	0.21			
0.2 - 0.3	4.57B		3.87K	1.99	0.38	0.44			
0.3 - 0.4	5.26B		7.84K	6.78	0.62	2.25			
0.4 - 0.5	6.53B								
0.7 - 0.8	7.58B								

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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