

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV21 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	01/06/88	Elevation:	150 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	6006200 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	439700 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:	2 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:	DB
		Great Soil Group:	N/A

Site Disturbance:

Vegetation:

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.12 m	Dark brown (7.5YR3/2-Moist); ; Loam (Heavy); Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B21	0.12 - 0.5 m	Yellowish red (5YR4/6-Moist); ; Light clay; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B22	0.5 - 0.6 m	Strong brown (7.5YR5/6-Moist); ; Medium clay;
B23	0.6 - 0.8 m	Light brownish grey (10YR6/2-Moist); , 5YR56, 10-20% , 5-15mm, Distinct; Medium clay;

Morphological Notes

Observation Notes

On slightly higher terrace. Les Pearce. No lime, only cropped since 1978, may have been cropped 50 years ago. Oats crop. Heavier but similar to R4, no obvious bleached A2, duplex. Heavy Rutherglen loam.

Site Notes

Norong Central

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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	4.37B		2.95K	2.3	0.74	0.41			
0.1 - 0.2	5.1B		4.36K	4.76	0.71	1.4			
0.2 - 0.3	5.37B		4.78K	5.48	0.71	1.58			
0.3 - 0.4	6.59B		5.98K	8.45	0.79	2.64			
0.4 - 0.5	7.15B								
0.7 - 0.8	7.68B								

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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