

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV56 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	22/08/88	Elevation:	165 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5997300 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	421600 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Rises
Morph. Type:	Upper-slope	Relief:	30 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	330 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
N/A		Principal Profile Form:	DR
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

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

A	0 - 0.12 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
B2	0.12 - 0.7 m	Red (2.5YR4/6-Moist); ; Light medium clay; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
C	0.7 - 0.8 m	Light reddish brown (5YR6/4-Moist); , 10YR76, 20-50% , 5-15mm, Distinct; , 10YR82, 20-50% , 5-15mm, Distinct; Light clay;

Morphological Notes

Observation Notes

Colvin's "Tarrawalla". 50 m to E of hillcrest. Red duplex soil in road cut. Gently undulating topog wiith 30-50m relief. Grazing. RBE? No CO3 NQBS.

Site Notes

NE Victoria, Boomahnoomoonah

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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	4.81B		4.31K	2.22	0.47	0.34			
0.1 - 0.2	5.42B		2.99K	4.53	0.54	0.7			
0.2 - 0.3	6.35B		3.55K	7.94	0.86	1.51			
0.3 - 0.4	6.87B		3.6K	9.62	0.96	2.12			
0.4 - 0.5	7.15B								
0.7 - 0.8	7.57B								

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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