

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV64 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	23/08/88	Elevation:	165 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	5994100 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	417500 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:	No Data	Pattern Type:	Rises
Morph. Type:	Lower-slope	Relief:	15 metres
Elem. Type:	Hillslope	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	30 degrees

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, Mid-dense. *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

Ap	0 - 0.12 m	Dark yellowish brown (10YR4/4-Moist); ; Silty loam; 2-10%, medium gravelly, 6-20mm, subrounded, coarse fragments;
B21	0.12 - 0.5 m	Brown (7.5YR4/4-Moist); ; Light medium clay; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Nodules;
B22	0.5 - 0.8 m	Strong brown (7.5YR4/6-Moist); ; 10YR64, 10-20% , 0-5mm, Distinct; Medium clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;

Morphological Notes

B21	Becomes heavier
B22	CO3 nodules 70-80cm

Observation Notes

Grazing, poor cover, clover=weeds>grasses. Yellowish red duplex profile with limestone nodules at 70cm. RBE?

Site Notes

Boweya North

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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	4.45B		3.24K	2.63	0.66	0.47			
0.1 - 0.2	5.4B		6.09K	10.27	1	1.83			
0.2 - 0.3	6.2B		6.63K	12.57	0.93	2.55			
0.3 - 0.4	6.67B		6.72K	12.96	0.94	3.34			
0.4 - 0.5	7.23B								
0.7 - 0.8	7.86B								

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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