

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV19 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	31/05/88	Elevation:	150 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	6002800 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	442800 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:	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:	DY
		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 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Loam; Very few (0 - 2 %), Unidentified, Medium (2 - 6 mm), Nodules;
Ap	0.1 - 0.18 m	Very dark greyish brown (10YR3/2-Moist); ; Loam (Light); Few (2 - 10 %), Unidentified, Medium (2 - 6 mm), Nodules;
A3	0.18 - 0.3 m	Brown (10YR5/3-Moist); , 7.5YR58, 10-20% , 5-15mm, Distinct; Clay loam; Few (2 - 10 %), Unidentified, Medium (2 - 6 mm), Nodules;
B21	0.3 - 0.5 m	Yellowish brown (10YR5/4-Moist); , 5YR46, 10-20% , 5-15mm, Distinct; Light clay;
B22	0.5 - 0.8 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay;

Morphological Notes

Observation Notes

On slight rise 1m. Pasture paddock, grasses and weeds. Similar to R4 site with less red B horizon. Rutherglen loam.

Site Notes

Black Dog Creek

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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	4.73B		5.47K	1.58	0.84	0.37			
0.1 - 0.2	4.95B		5.79K	1.74	0.66	0.46			
0.2 - 0.3	5.72B		6.09K	3.29	0.56	0.97			
0.3 - 0.4	6.46B		8.23K	5.75	0.73	1.89			
0.4 - 0.5	6.95B								
0.7 - 0.8	7.72B								

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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