

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV34 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	02/06/88	Elevation:	130 metres
Map Ref.:	Sheet No. : 8025 1:100000	Rainfall:	No Data
Northing/Long.:	6005800 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	400300 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 %	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:	DR
		Great Soil Group:	N/A

Site Disturbance:

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 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B2	0.15 - 0.3 m	Yellowish red (5YR4/6-Moist); , 7.5YR32, 10-20% , 5-15mm, Distinct; Light clay; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules;
B22	0.3 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Light clay;
B23	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Light medium clay;

Morphological Notes

B22	Rare fine CO3 eff at 50+
B23	Some fine CO3 eff.

Observation Notes

Les Quinn. Grass paddock, some clover. Flat site 100m from drainage line. RBE slightly heavier Moira loam

Site Notes

Burramine South

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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	4.8B		4.04K	1.93	0.95	0.26			
0.1 - 0.2	4.73B		4.22K	2.05	0.86	0.34			
0.2 - 0.3	5.88B		7.06K	7.44	1.28	1.6			
0.3 - 0.4	7.02B		9.32K	11.57	1.35	2.95			
0.4 - 0.5	7.23B								
0.7 - 0.8	7.88B								

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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