

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AV28 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	C.J. Chartres	Locality:	
Date Desc.:	01/06/88	Elevation:	142 metres
Map Ref.:	Sheet No. : 8125 1:100000	Rainfall:	No Data
Northing/Long.:	6003500 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	436100 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: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Sod grass, <0.25m, Very sparse. *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Callitris columellaris

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.12 m	Dark brown (10YR3/3-Moist); ; Fine sandy loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
A2	0.12 - 0.2 m	Pale brown (10YR6/3-Moist); Light grey (10YR7/2-Dry); , 7.5YR58, 2-10% , 5-15mm, Distinct; Sandy clay loam; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Nodules; Few (2 - 10 %), Ferruginous, Coarse (6 - 20 mm), Nodules;
B2	0.2 - 0.6 m	Yellowish brown (10YR5/6-Moist); , 7.5YR58; Light clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules;
B3	0.6 - 0.8 m	Yellowish brown (10YR5/6-Moist); , 10YR44; Light clay;

Morphological Notes

A2	Cons. Bleached A2
B3	Sandy darker inclusions

Observation Notes

No lime, not cropped for 6 yrs. Callitris sp. V gently undulating 1-2m relief. Sandy surface, land drops to S slightly. Clover annual grass. Possibly duplex, B fairly shallow, mixing of A2 & upper B, bleached A2. Dune soil or influence.

Site Notes

Boorhaman/Norong

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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	4.33B		2.78K	1.5	0.58	0.21			
0.1 - 0.2	4.7B		2.49K	2.84	0.4	0.36			
0.2 - 0.3	5.6B		5.67K	9.17	1.07	1.29			
0.3 - 0.4	5.9B		5.3K	9.29	1.09	1.45			
0.4 - 0.5	6.4B								
0.7 - 0.8	7.19B								

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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