

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV12 **Observation ID:** 1  
**Agency Name:** CSIRO Land and Water (ACT)

**Site Information**

<b>Desc. By:</b>	C.J. Chartres	<b>Locality:</b>	
<b>Date Desc.:</b>	31/05/88	<b>Elevation:</b>	150 metres
<b>Map Ref.:</b>	Sheet No. : 8125 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	5988800 AMG zone: 55	<b>Runoff:</b>	Very slow
<b>Easting/Lat.:</b>	443700 Datum: AGD66	<b>Drainage:</b>	Poorly drained

**Geology**

<b>ExposureType:</b>	Auger boring	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	3 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0.2 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	GN
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

Tall Strata - Sod grass, <0.25m, Very sparse. \*Species includes - None Recorded

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

Ap	0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), Unidentified, Medium (2 -6 mm), Nodules;
B1	0.2 - 0.3 m	Dark greyish brown (10YR4/2-Moist); ; Light clay;
B2	0.3 - 0.8 m	Dark grey (10YR4/1-Moist); , 5YR56, 2-10% , 0-5mm, Distinct; Heavy clay; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules;

**Morphological Notes**

B2 Few CO<sub>3</sub> nodules at about 50 cm

**Observation Notes**

On crest of slight 1m local rise, possibly gilgai. Rod and Bruce McDonald no lime. Heavy grey clay

**Site Notes**

Boorhaman Rd

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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	4.94B		9.55K	4.4	0.92	0.18			
0.1 - 0.2	5.15B		11.25K	4.78	0.9	0.28			
0.2 - 0.3	6.28B		20.4K	9.68	1.09	0.67			
0.3 - 0.4	6.96B		20.6K	9.78	0.98	1.25			
0.4 - 0.5	7.26B								
0.7 - 0.8	7.61B								

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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