

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV97 **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>	25/08/88	<b>Elevation:</b>	135 metres
<b>Map Ref.:</b>	Sheet No. : 8025 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	5988700 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	396700 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>	1 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0 %	<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>	DB
		<b>Great Soil Group:</b>	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	Dark greyish brown (10YR4/2-Moist); , 5YR56, 10-20% , 0-5mm, Distinct; Clay loam (Heavy); 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;
B21	0.1 - 0.15 m	Light brownish grey (10YR6/2-Moist); , 5YR56, 10-20% , 0-5mm, Distinct; Medium clay; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;
B22	0.15 - 0.8 m	Brown (10YR5/3-Moist); ; Medium clay; 0-2%, fine gravelly, 2-6mm, rounded, Quartz, coarse fragments;

**Morphological Notes**

B22 No CO3.

**Observation Notes**

Grazing - grasses. Brownish clay same as AV96.

**Site Notes**

St James

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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	4.75B		4.69K	3.07	0.51	0.4			
0.1 - 0.15	4.68B		3.82K	2.88	0.28	0.54			
0.2 - 0.3	5.91B		6.49K	6.18	0.36	1.54			
0.3 - 0.4	6.12B		6.69K	6.48	0.36	1.76			
0.4 - 0.5	6.43B								
0.7 - 0.8	7.08B								

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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