

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV48 **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>	03/06/88	<b>Elevation:</b>	140 metres
<b>Map Ref.:</b>	Sheet No. : 8025 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	5998500 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	407100 Datum: AGD66	<b>Drainage:</b>	Moderately well 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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	5 metres
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	270 degrees

**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>	DR2
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

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

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

**Profile Morphology**

Ap	0 - 0.1 m	Dark brown (7.5YR3/4-Moist); ; Loam (Heavy);
A3	0.1 - 0.2 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam;
B21	0.2 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Light medium clay;
B22	0.6 - 0.8 m	Strong brown (7.5YR4/6-Moist); ; Light medium clay;

**Morphological Notes**

B22 Some fine carbonate concretions

**Observation Notes**

Simple toeslope, well drained, reas. Perm. 20m box, freshly sown oats crop. RBE.

**Site Notes**

Wilby

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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	4.66B		4.65K	2.28	0.7	0.31			
0.1 - 0.2	4.87B		4.85K	2.63	0.59	0.48			
0.2 - 0.3	6.02B		8.52K	7.54	0.87	2.23			
0.3 - 0.4	7B		11.27K	10.79	1.11	4.21			
0.4 - 0.5	7.27B								
0.7 - 0.8	7.9B								

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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