

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV79 **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>	24/08/88	<b>Elevation:</b>	135 metres
<b>Map Ref.:</b>	Sheet No. : 8025 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	5993600 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	403700 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	U
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

Tall Strata - Sod grass, <0.25m, Mid-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); , 7.5YR58, 2-10% , 0-5mm, Distinct; Light clay; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments;
B21	0.1 - 0.6 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;
B22	0.6 - 0.8 m	Brown (10YR5/3-Moist); ; Medium heavy clay;

**Morphological Notes**

**Observation Notes**

Coopers grazing paddock with old stubble traces. Grey clay, no CO3.

**Site Notes**

Tungamah

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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	4.91B		5.41K	4.17	0.67	1.11			
0.1 - 0.2	5.32B		9.29K	8.25	0.67	2.74			
0.2 - 0.3	6.16B		12.42K	10.85	0.74	4.08			
0.3 - 0.4	6.81B		14.1K	11.35	0.71	5.64			
0.4 - 0.5	7.08B								
0.7 - 0.8	7.36B								

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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