

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV77 **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>	140 metres
<b>Map Ref.:</b>	Sheet No. : 8025 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6001800 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	403600 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	10 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<b>Aspect:</b>	90 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>	DR
		<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	Reddish brown (5YR4/4-Moist); ; Fine sandy loam (Heavy);
B21	0.1 - 0.5 m	Dark red (2.5YR3/6-Moist); ; Medium clay; 0-2%, medium gravelly, 6-20mm, subangular platy, Granite, coarse fragments; 0-2%, medium gravelly, 6-20mm, subangular platy, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules;
B22	0.5 - 0.8 m	Yellowish red (5YR5/6-Moist); ; Light clay; 0-2%, medium gravelly, 6-20mm, subangular platy, Granite, coarse fragments;

**Morphological Notes**

B22 CO3 nodules

**Observation Notes**

good grazing paddock, clover>grasses. Hillside. Shallow sharp texture change, CO3. RBE.

**Site Notes**

Telford

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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	5.28B		7.69K	2.92	0.68	0.65			
0.1 - 0.2	6.4B		10.68K	8.48	1.01	2.78			
0.2 - 0.3	6.98B		12.13K	11.16	1.08	4.35			
0.3 - 0.4	7.3B		11.39K	11.06	0.98	5.2			
0.4 - 0.5	7.86B								
0.7 - 0.8	7.87B								

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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