

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV58 **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>	22/08/88	<b>Elevation:</b>	150 metres
<b>Map Ref.:</b>	Sheet No. : 8125 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6005400 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	421500 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 rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	10 metres
<b>Elem. Type:</b>	Hillslope	<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>		<b>Mapping Unit:</b>	N/A
N/A		<b>Principal Profile Form:</b>	DR
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
Confidence level not specified			

**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**

A1	0 - 0.2 m	Dark reddish brown (5YR3/3-Moist); ; Sandy loam; 10-20%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
A3	0.2 - 0.3 m	Dark reddish brown (5YR3/3-Moist); ; Sandy loam (Heavy); 20-50%, coarse gravelly, 20-60mm, angular platy, Shale, coarse fragments;
B21	0.3 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Medium clay;
B22	0.6 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Light medium clay; 20-50%, medium gravelly, 6-20mm, angular platy, Shale, coarse fragments;

**Morphological Notes**

A3	Root at 30cm, shale common
B22	No CO3, shale common.

**Observation Notes**

Grazing paddock. Very long tree root at 30cm. Capeweed >> grasses, may have been sheep camp. Duplex red soil similar to 56-57. No CO3. NCBS.

**Site Notes**

Bundalong South

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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	4.97B		8.03K	3.66	1.05	0.42			
0.1 - 0.2	5.19B		7.08K	4.77	1.08	0.68			
0.2 - 0.3	5.68B		7.29K	7.41	1.02	1.21			
0.3 - 0.4	7.34B		6.12K	14.32	1.53	4.07			
0.4 - 0.5	7.71B								
0.7 - 0.8	7.8B								

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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