

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV90 **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>	160 metres
<b>Map Ref.:</b>	Sheet No. : 8125 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	5981500 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	417600 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>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	20 metres
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<b>Aspect:</b>	90 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>	GN
<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**

Ap	0 - 0.15 m	Brown (7.5YR4/2-Moist); ; Silty loam; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Concretions;
A2	0.15 - 0.28 m	Yellowish brown (10YR5/4-Moist); Very pale brown (10YR7/3-Dry); ; Silty loam; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Concretions; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions;
B21	0.3 - 0.6 m	Light yellowish brown (10YR6/4-Moist); , 2.5YR46, 10-20% , 5-15mm, Distinct; Silty clay loam; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Concretions;
B22	0.6 - 0.8 m	Brown (7.5YR5/4-Moist); ; Light clay; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Concretions; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Concretions;

**Morphological Notes**

A2 Bleached

**Observation Notes**

Grazing, good cover, grasses>clover=weeds. Bleached A2, gradational reddish soil, no CO3, more like podzolic Red Earth.

**Site Notes**

Bungeet

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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	4.56B		4.52K	0.91	0.18	0.39			
0.1 - 0.2	4.74B		4.95K	1.08	0.18	0.31			
0.2 - 0.3	5.97B		4.69K	1.83	0.2	0.54			
0.3 - 0.4	6.41B		5.02K	2.54	0.26	0.83			
0.4 - 0.5	6.61B								
0.7 - 0.8	6.8B								

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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