

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AV109 **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>	25/08/88	<b>Elevation:</b>	170 metres
<b>Map Ref.:</b>	Sheet No. : 8125 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	5989200 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	410300 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>	Mid-slope	<b>Relief:</b>	20 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<b>Aspect:</b>	0 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>	GN DY
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

Tall Strata - Sod grass, 0.26-0.5m, Closed or dense. \*Species includes - None Recorded

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

**Profile Morphology**

Ap	0 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; 0-2%, medium gravelly, 6-20mm, subangular, Unconsolidated material (unidentified), coarse fragments;
A2	0.15 - 0.3 m	Reddish brown (5YR4/4-Moist); Reddish brown (5YR5/4-Dry); ; Sandy clay loam; 0-2%, medium gravelly, 6-20mm, subangular, Unconsolidated material (unidentified), coarse fragments; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments;
B2	0.3 - 0.75 m	Strong brown (7.5YR5/8-Moist); ; Sandy light clay; 0-2%, medium gravelly, 6-20mm, rounded, Unconsolidated material (unidentified), coarse fragments; 0-2%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments;

**Morphological Notes**

A2	Not bleached.
B2	Rock at 75cm.

**Observation Notes**

Neil/John Symes. Mid-slope, wheat crop, granite to E. Transitional from a gradational soil to duplex.

**Site Notes**

N.E. Victoria.

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**Laboratory Test Results:**

Depth m	pH	1:5 EC dS/m	Exchangeable Cations			Exchangeable Acidity Cmol (+)/kg	CEC	ECEC	ESP %
			Ca	Mg	K				
0 - 0.1	4.77B		4.02K	1.17	0.05	0.09			
0.15 - 0.2	4.6B		3.75K	1.43	0.32	0.15			
0.2 - 0.3	4.91B		2.57K	1.43	0.19	0.25			
0.3 - 0.4	6.04B								
0.4 - 0.5	6.79B								
0.7 - 0.8	5.48B		2.65K	3.53	0.3	0.92			

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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