

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN75 **Observation ID:** 1  
**Agency Name:** CSIRO Land and Water (ACT)

**Site Information**

<b>Desc. By:</b>	G. W. Geeves	<b>Locality:</b>	
<b>Date Desc.:</b>	29/07/88	<b>Elevation:</b>	240 metres
<b>Map Ref.:</b>	Sheet No. : 8328 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6128000 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	539200 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>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	2 metres
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	0.5 %	<b>Aspect:</b>	320 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>	GN2.12
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Cultivation. Rainfed

**Vegetation:**

Tall Strata - Sod grass, <0.25m, Very sparse. \*Species includes - None Recorded

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

**Profile Morphology**

A1	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
AB	0.1 - 0.3 m	Red (2.5YR4/6-Moist); ; Clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B2	0.3 - 0.5 m	Red (2.5YR4/7-Moist); ; Sandy clay (Light); 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
B2	0.5 - 0.8 m	Yellowish brown (10YR5/6-Moist); ; Clay loam, fine sandy (Heavy); 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules;

**Morphological Notes**

**Observation Notes**

Lance McCormack. Crop paddock, simple sloping plain. Red Earth.

**Site Notes**

Brampton

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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	4.61B		3.9K	0.95	0.79				
0.1 - 0.2	4.88B		4.64K	1.33	0.73	0.02			
0.2 - 0.3	5.19B		4.46K	1.74	0.71	0.09			
0.3 - 0.4	5.36B		4.17K	2.33	0.6	0.11			
0.4 - 0.5	5.45B								
0.7 - 0.8	5.33B								

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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_AL	Exchangeable aluminium - method 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