

**Project Name:** Acids Soils in South Eastern Australia  
**Project Code:** AcidSoils **Site ID:** AN47 **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>	22/07/88	<b>Elevation:</b>	320 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:100000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6102700 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	530100 Datum: AGD66	<b>Drainage:</b>	Poorly 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 low hills 30-90m 3-10%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	40 metres
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	8 %	<b>Aspect:</b>	80 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>	UC5.112
		<b>Great Soil Group:</b>	N/A

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**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	Pinkish grey (7.5YR7/2-Moist); ; Sandy loam; 0-2%, fine gravelly, 2-6mm, angular, Detrital sedimentary rock (unidentified), coarse fragments;
A3	0.2 - 0.3 m	Brown (7.5YR5/4-Moist); Pinkish grey (7.5YR6/2-Dry); ; Loamy coarse sand; 20-50%, fine gravelly, 2-6mm, angular, Detrital sedimentary rock (unidentified), coarse fragments;
BC1	0.3 - 0.6 m	Pale brown (10YR6/3-Moist); , 2.5YR56, 20-50% , 0-5mm, Distinct; Clayey coarse sand; 20-50%, fine gravelly, 2-6mm, angular, Detrital sedimentary rock (unidentified), coarse fragments;
BC2	0.6 - 0.8 m	Light grey (10YR7/2-Moist); , 2.5YR56, 2-10% , 0-5mm, Distinct; Clayey coarse sand; 20-50%, fine gravelly, 2-6mm, angular, Detrital sedimentary rock (unidentified), coarse fragments;

**Morphological Notes**

A3 Weathering granite.

**Observation Notes**

Saddle between two granite hills. Lithosol or Earthy Sand. Grazing paddock, poor cover, grasses and weeds. Shallow soil consisting of A horizon on weathering granite or colluvium from weathered granite. Very coarse sandy soil loams.

**Site Notes**

Wagga Wagga

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Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity		
m		dS/m				Cmol (+)/kg			%

0 - 0.1  
0.12 - 0.2  
0.2 - 0.3  
0.3 - 0.4  
0.4 - 0.5  
0.7 - 0.8

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

0 - 0.1  
0.12 - 0.2  
0.2 - 0.3  
0.3 - 0.4  
0.4 - 0.5  
0.7 - 0.8

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar		
m			g/g - m3/m3					mm/h	mm/h

0 - 0.1  
0.12 - 0.2  
0.2 - 0.3  
0.3 - 0.4  
0.4 - 0.5  
0.7 - 0.8

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Laboratory Analyses Completed for this profile