

Project Name: Acids Soils in South Eastern Australia
Project Code: AcidSoils **Site ID:** AN77 **Observation ID:** 1
Agency Name: CSIRO Land and Water (ACT)

Site Information

Desc. By:	G. W. Geeves	Locality:	
Date Desc.:	29/07/88	Elevation:	200 metres
Map Ref.:	Sheet No. : 8327 1:100000	Rainfall:	No Data
Northing/Long.:	6120500 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	536500 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	Auger boring	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Undulating low hills 30-90m 3-10%	Pattern Type:	Low hills
Morph. Type:	Open depression (vale)	Relief:	40 metres
Elem. Type:	Drainage depression	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	180 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	UC5.21
		Great Soil Group:	N/A

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

Vegetation: Low Strata - Moss, <0.25m, Closed or dense. *Species includes - None recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam, fine sandy; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;
A3	0.1 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Clayey coarse sand; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments;
B2	0.3 - 0.4 m	Dark yellowish brown (10YR4/4-Moist); ; Clayey sand; 2-10%, medium gravelly, 6-20mm, angular, Quartz, coarse fragments;
2B2	0.4 - 0.8 m	Black (2.5YR2/0-Moist); ; Light clay; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments;

Morphological Notes

A3	Mica in coarse fragments.
B2	Mica in coarse fragments, 50% mica alluvium.

Observation Notes

Flat bottom of 150m drainage line between hills. Scattered timber in grazing paddock, grasses>weeds>clover. Earthy sand over buried soil from 2 different parent materials?

Site Notes

Wagga Wagga

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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			%

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

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile