

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW81 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By: Chen, XY	Locality:
Date Desc.: 15/07/93	Elevation: 297 metres
Map Ref.: Sheet No. : 8327 1:25000	Rainfall: No Data
Northing/Long.: 6101550 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 536675 Datum: AGD66	Drainage: Moderately well drained

Geology

ExposureType: Existing vertical exposure	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: Sgf	Substrate Material: Gravel

Land Form

Rel/Slope Class: No Data	Pattern Type: Hills
Morph. Type: Mid-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: No Data
Slope: 12 %	Aspect: 0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Active, Moderate (sheet) Partial, Moderate (rill)
Partial, Moderate (gully)

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Uc1.21
	Great Soil Group: Earthy sand

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, subrounded, Quartz

Profile Morphology

A	0 - 0.15 m	Dark brown (7.5YR3/4-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Non-plastic; Slightly sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Gradual, Smooth change to -
C1	0.15 - 0.45 m	Brown (7.5YR5/3-Moist); ; Clayey coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Non-plastic; Slightly sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5 (Raupach); Few, very fine (0-1mm) roots; Sharp, Irregular change to -
C2	0.45 - 1.5 m	Mottles, 10-20% , Distinct; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Strong consistence; 10-20%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Silcrete, Strongly cemented, Continuous, Massive;

Morphological Notes

A	Partly striped from profile.
C2	Cemented palaeosol. Underlain by another Too hard to do test.

Observation Notes

Site Notes

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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