Project Name: **WAGGA WAGGA SOIL LANDSCAPES**
Project Code: **1000448** **Site ID:** **WW278** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By: Chen, XY
Date Desc.: 15/07/93
Map Ref.: Sheet No. : 8327 1:25000
Northing/Long.: 6100700 AMG zone: 55
Easting/Lat.: 506000 Datum: AGD66
Locality:
Elevation: 197 metres
Rainfall: No Data
Runoff: Very slow
Drainage: Moderately well drained

Geology

ExposureType: No Data
Geol. Ref.: Cza
Conf. Sub. is Parent. Mat.: Probable
Substrate Material: Sand

Land Form

Rel/Slope Class: No Data
Morph. Type: Flat
Elem. Type: Plain
Slope: 1 %
Pattern Type: Alluvial plain
Relief: No Data
Slope Category: No Data
Aspect: 315 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Present (stbank)

Soil Classification

Australian Soil Classification:
Bleached Red Chromosol Thick Gravelly Peaty
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dr2.42
Great Soil Group: N/A

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; Non-plastic; Slightly sticky; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.15 - 0.3 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; Fine sandy loam; Weak grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; Non-plastic; Slightly sticky; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.3 - 0.8 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy; Moderate grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Moderately plastic; Moderately sticky; Field pH 7 (Raupach); Common, fine (1-2mm) roots; Diffuse, Smooth change to -
B3	0.8 - 1.2 m	Dark yellowish brown (10YR4/6-Moist); ; Clay loam, sandy; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Slightly plastic; Moderately sticky; Field pH 6.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

River bottom 8m below the alluvial plainRiver bank exposure.

Site Notes

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Laboratory Test Results:

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

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			%		

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