

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW127 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	208 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6105850 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	534225 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	Cza	Substrate Material:	Sand

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	No Data
Slope:	2 %	Aspect:	45 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Partial, Present (stbank)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	N/A
		Great Soil Group:	Alluvial soil

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.1 m	Brown (7.5YR4/2-Moist); ; 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, Moderately moist; Weak consistence; Slightly plastic; Moderately sticky; Field pH 5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
C1	0.1 - 0.55 m	Very dark brown (7.5YR2/2-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, Moderately moist; Weak consistence; Non-plastic; Slightly sticky; 0-2%, fine gravelly, 2-6mm, subrounded, stratified, Quartz, coarse fragments; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear, Wavy change to -
C2	0.55 - 0.75 m	Brown (7.5YR4/2-Moist); ; Clayey coarse sand; 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, Moderately moist; Non-plastic; Slightly sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots;

Morphological Notes

C1 A few interbedded thin sand layers.

Observation Notes

Modern flood plain

Site Notes

20M IN FENCE, W ROAD AT DRAINAGE LINE

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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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile