

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES  
**Project Code:** 1000448      **Site ID:** WW289      **Observation ID:** 1  
**Agency Name:** CSIRO Division of Soils (ACT)

#### Site Information

<b>Desc. By:</b> Chen, XY	<b>Locality:</b>
<b>Date Desc.:</b> 15/07/93	<b>Elevation:</b> 179 metres
<b>Map Ref.:</b> Sheet No. : 8327 1:25000	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 6108700 AMG zone: 55	<b>Runoff:</b> Very slow
<b>Easting/Lat.:</b> 504575 Datum: AGD66	<b>Drainage:</b> Poorly drained

#### Geology

<b>ExposureType:</b> No Data	<b>Conf. Sub. is Parent. Mat.:</b> No Data
<b>Geol. Ref.:</b> Cza	<b>Substrate Material:</b> Sand

#### Land Form

<b>Rel/Slope Class:</b> No Data	<b>Pattern Type:</b> Alluvial plain
<b>Morph. Type:</b> Flat	<b>Relief:</b> No Data
<b>Elem. Type:</b> Swamp	<b>Slope Category:</b> No Data
<b>Slope:</b> 0 %	<b>Aspect:</b> No Data

**Surface Soil Condition (dry):** Firm

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
N/A	<b>Principal Profile Form:</b> N/A
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> N/A
Confidence level not specified	

**Site Disturbance:** Extensive clearing, for example poisoning, ringbarking

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

A	0 - 0.08 m	Brown (7.5YR4/2-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Moderately moist; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Abrupt change to -
2A	0.08 - 0.3 m	Dark brown (7.5YR3/2-Moist); ; Coarse sandy light clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Few (<1 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Moderately moist; Moderately plastic; Moderately sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
C	0.3 - 0.8 m	Greyish brown (10YR5/2-Moist); ; Light medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Earthy fabric; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Moderately moist; Moderately plastic; Very sticky; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations, weak, segregations; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations, weak, segregations; Field pH 9.5 (Raupach); Few, fine (1-2mm) roots;

#### Morphological Notes

A	Recent sediment.
2A	Some charcoal.
C	Sample taken near 50cm.

#### Observation Notes

Pit to 30cm, auger to 80cm.      Marginal zone soil.

#### 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