

**Project Name:** WAGGA WAGGA SOIL LANDSCAPES  
**Project Code:** 1000448      **Site ID:** WW73      **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>	299 metres
<b>Map Ref.:</b>	Sheet No. : 8327 1:25000	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	6093600 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	525700 Datum: AGD66	<b>Drainage:</b>	Imperfectly drained

#### Geology

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

#### Land Form

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	No Data
<b>Slope:</b>	3 %	<b>Aspect:</b>	0 degrees

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

**Erosion:** Partial, Present (stbank)

#### Soil Classification

<b>Australian Soil Classification:</b>	N/A	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	Confidence level not specified	<b>Principal Profile Form:</b>	Dy3.42
		<b>Great Soil Group:</b>	N/A

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

#### Vegetation:

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.2 m	Brown (7.5YR4/3-Moist); ; Coarse sandy clay 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, Few (<1 per 100mm2) Medium (2-5mm) macropores, Moist; Weak consistence; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.2 - 0.35 m	Light brownish grey (10YR6/2-Moist); White (10YR8/1-Dry); ; Silty clay loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Weak consistence; Moderately plastic; Moderately sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Clear, Wavy change to -
B2	0.35 - 0.85 m	Yellowish brown (10YR5/6-Moist); Mottles, 20-50% , Faint; Medium heavy clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Firm consistence; Very plastic; Very sticky; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to -
BC	0.85 - 1.3 m	Strong brown (7.5YR4/6-Moist); Mottles, 2-10% , Distinct; Coarse sandy clay; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Very firm consistence; Moderately plastic; Very sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 6.5 (Raupach); Few, fine (1-2mm) roots;

#### Morphological Notes

#### Observation Notes

Stream bank cliff exposure.      Water in stream: 2.2ms/cm, pH 7.5

#### Site Notes

30M N ROAD, INSIDE FENCE

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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