

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW275 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By: Chen, XY	Locality:
Date Desc.: 15/07/93	Elevation: 232 metres
Map Ref.: Sheet No. : 8327 1:25000	Rainfall: No Data
Northing/Long.: 6087675 AMG zone: 55	Runoff: Slow
Easting/Lat.: 509225 Datum: AGD66	Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: No Data	Pattern Type: Stagnant alluvial plain
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: No Data
Slope: 1 %	Aspect: 180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Partial, Present (stbank)

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
N/A	Principal Profile Form: Dr2.42
ASC Confidence:	Great Soil Group: N/A
Confidence level not specified	

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

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.4 m	Brown (7.5YR4/4-Moist); ; Fine sandy clay loam; Weak grade of structure, 200-500 mm, Columnar; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very firm consistence; Slightly plastic; Moderately sticky; Field pH 5 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
A2	0.4 - 0.7 m	Brown (7.5YR5/4-Moist); Pink (7.5YR7/4-Dry); ; 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; Firm consistence; Slightly plastic; Moderately sticky; Field pH 6 (Raupach); Few, fine (1-2mm) roots; Clear change to -
B2	0.7 - 1.6 m	Yellowish red (5YR4/6-Moist); Mottles, 2-10% , Faint; Light medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; Moderately plastic; Very sticky; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Abrupt change to -
B3	1.6 - 2.1 m	Dark yellowish brown (10YR3/4-Moist); Mottles, 10-20% , Distinct; Mottles, 2-10% , Distinct; Light medium clay; Moderate grade of structure, 20-50 mm, Prismatic; 20-50 mm, Columnar; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; Moderately plastic; Very sticky; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations; Field pH 7.5 (Raupach);

Morphological Notes

A1	Recent alluvial sediment.	
A2	Eroded away at most places.	Intruding to layer 3.
B2	Old alluvium	
B3	Old alluvium	

Observation Notes

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60M IN 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