

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW53 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	309 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6085350 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	535800 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Pediment
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Valley flat	Slope Category:	No Data
Slope:	1 %	Aspect:	45 degrees

Surface Soil Condition (dry): Firm

Erosion: Active, Present (stbank)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Gn2.84
		Great Soil Group:	N/A

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.22 m	Very dark brown (10YR2/2-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Polyhedral; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Slightly sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Gradual change to -
A2	0.22 - 0.44 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Slightly plastic; Slightly sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
B2	0.44 - 0.75 m	Dark greyish brown (10YR4/2-Moist); Mottles, 2-10% , Distinct; Silty clay loam; Massive grade of structure; Earthy fabric; Fine, (0 - 5) mm crack; Many (>5 per 100mm2) Fine (1-2mm) macropores, Moist; Moderately plastic; Moderately sticky; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Field pH 6 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
B3	0.75 - 1.6 m	Yellowish brown (10YR5/4-Moist); Mottles, 10-20% , Distinct; Clay loam, sandy; Moderate grade of structure, 50-100 mm, Columnar; Smooth-ped fabric; Fine, (0 - 5) mm crack; Moderately moist; Moderately plastic; Moderately sticky; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Field pH 6 (Raupach);

Morphological Notes

Observation 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