

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW17 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	215 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6104990 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	535900 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Alluvial plain
Morph. Type:	Open depression (vale)	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	1 %	Aspect:	315 degrees

Surface Soil Condition (dry): Firm

Erosion: Partial, Moderate (gully)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Uc1.23
		Great Soil Group:	Alluvial soil

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.05 m	Brown (7.5YR4/3-Moist); ; Loam; Weak grade of structure, 2-5 mm, Polyhedral; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moist; Weak consistence; Non-plastic; Slightly sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
C1	0.05 - 0.5 m	Brown (7.5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Weak consistence; Non-plastic; Non-sticky; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to -
C2	0.5 - 1 m	Dark greyish brown (10YR4/2-Moist); Mottles, 0-2% , Faint; Medium sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Wet; Very plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 5 (Raupach); Few, fine (1-2mm) roots; Gradual, Smooth change to -
C3	1 - 2.8 m	Brown (10YR4/3-Moist); Mottles, 2-10% , Faint; Medium heavy clay; Strong grade of structure, 200-500 mm, Columnar; 50-100 mm, Angular blocky; Smooth-ped fabric; Fine, (0 - 5) mm crack; Moist; Firm consistence; Very plastic; Very sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Field pH 6.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

50M 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