

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW76 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	260 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6095325 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	521225 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	Existing vertical exposure	Conf. Sub. is Parent. Mat.:	Probable
Geol. Ref.:	Cza	Substrate Material:	Sand

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Pediment
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Footslope	Slope Category:	No Data
Slope:	4 %	Aspect:	225 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Partial, Moderate (gully)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dy3.43
		Great Soil Group:	N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.15 m	Dark brown (7.5YR3/4-Moist); ; 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, Common (1-5 per 100mm2) Medium (2-5mm) macropores, Wet; Non-plastic; Slightly sticky; Field pH 5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.15 - 0.25 m	Pale brown (10YR6/3-Moist); White (10YR8/2-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, Few (<1 per 100mm2) Medium (2-5mm) macropores, Moist; Slightly plastic; Moderately sticky; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.25 - 0.6 m	Brown (10YR5/3-Moist); Mottles, 10-20% , Distinct; Silty light medium clay; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Moist; Moderately plastic; Very sticky; Very few (0 - 2 %), Ferruginous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7.5 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
2B	0.6 - 0.85 m	Dark yellowish brown (10YR3/4-Moist); Mottles, 10-20% , Faint; Mottles, 2-10% , Distinct; Medium heavy clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Moist; Very plastic; Very sticky; Few cutans, <10% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferruginous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 8.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A1	Sand fraction is fine.
A2	Sand fraction is coarse.

Observation Notes

Site Notes

E SIDE OF GULLY

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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