

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW106 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	178 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6116900 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	510700 Datum: AGD66	Drainage:	Imperfectly drained

Geology

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

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	No Data
Slope:	1 %	Aspect:	315 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Partial, Minor (sheet)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dr2.43
		Great Soil Group:	Red-brown earth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Few (<1 per 100mm ²) Fine (1-2mm) macropores, Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Firm consistence; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Common, very fine (0-1mm) roots; Common, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.1 - 0.35 m	Yellowish red (5YR5/6-Moist); Pink (7.5YR7/4-Dry); ; Clay loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm ²) Fine (1-2mm) macropores, Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Moderately moist; Firm consistence; Slightly plastic; Moderately sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Abrupt change to -
B	0.35 - 0.8 m	Yellowish red (5YR3/6-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; 100-200 mm, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; Very plastic; Very sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations, weak, segregations;Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations, weak, segregations;Field pH 8 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

B Carbonate at lower part which slightly yellow, pH at bottom 9.5

Observation Notes

Better description of landform pattern is sloping plain

Site 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