

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW104 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By:	Chen, XY	Locality:	
Date Desc.:	15/07/93	Elevation:	238 metres
Map Ref.:	Sheet No. : 8327 1:25000	Rainfall:	No Data
Northing/Long.:	6113400 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	517650 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	Sgc	Substrate Material:	Clay

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	8 %	Aspect:	135 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:	N/A	Mapping Unit:	N/A
ASC Confidence:	Confidence level not specified	Principal Profile Form:	Dr2.13
		Great Soil Group:	N/A

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Coarse sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Slightly plastic; Moderately sticky; Field pH 6 (Raupach); Many, fine (1-2mm) roots; Clear, Irregular change to -
B2	0.1 - 0.45 m	Red (2.5YR4/6-Moist); ; Coarse sandy light medium clay; Weak grade of structure, 2-5 mm, Polyhedral; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Moderately plastic; Very sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 6.5 (Raupach); Common, fine (1-2mm) roots; Gradual change to -
B3	0.45 - 0.8 m	Strong brown (7.5YR5/6-Moist); Mottles, 10-20% , Distinct; Mottles, 2-10% , Faint; Coarse sandy medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moist; Moderately plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Field pH 9.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A Some disturbance by cultivation

B3 Possibly some tiny carbonate

Observation Notes

Pit to 30cm, auger to 80cm

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