

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW158 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By: Chen, XY	Locality:
Date Desc.: 15/07/93	Elevation: 183 metres
Map Ref.: Sheet No. : 8327 1:25000	Rainfall: No Data
Northing/Long.: 6113300 AMG zone: 55	Runoff: Slow
Easting/Lat.: 530025 Datum: AGD66	Drainage: Imperfectly drained

Geology

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

Land Form

Rel/Slope Class: No Data	Pattern Type: Rises
Morph. Type: Lower-slope	Relief: No Data
Elem. Type: Footslope	Slope Category: No Data
Slope: 5 %	Aspect: 315 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Stable, Minor (sheet)

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Bleached-Mottled Red Chromosol Thick Gravelly Loamy	Principal Profile Form: Dy3.43
ASC Confidence:	Great Soil Group: N/A
Confidence level not specified	

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.1 m	Reddish brown (5YR4/4-Moist); ; Clay loam; Massive grade of structure, <2 mm, Granular; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.1 - 0.28 m	Yellowish red (5YR5/6-Moist); Pink (5YR7/4-Dry); ; Clay loam; Weak 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, Dry; Firm consistence; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Clear, Wavy change to -
B2	0.28 - 0.85 m	Yellowish red (5YR5/6-Moist); Mottles, 10-20% , Faint; Mottles, 2-10% , Distinct; Light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Firm consistence; Moderately plastic; Very sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Gradual, Wavy change to -
B3	0.85 - 1.2 m	Strong brown (7.5YR5/6-Moist); Mottles, 10-20% , Faint; Mottles, 2-10% , Faint; Medium sandy light medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; 100-200 mm, Prismatic; Smooth-ped fabric; Moderately moist; Firm consistence; Moderately plastic; Very sticky; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations, weak, segregations; Few (2 - 10 %), Ferromanganiferous, Medium (2 - 6 mm), Soft segregations, weak, segregations; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Soft segregations, weak, segregations; Field pH 9.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A1	Water expellent.	
B3	Water seepage after rain.	Some mangan ped coating.

Observation Notes

Site Notes

Project Name:

WAGGA WAGGA SOIL LANDSCAPES

Project Code:

1000448

Site ID:

WW158

Observation ID:

1

Agency Name:

CSIRO Division of Soils (ACT)

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

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 Site ID: WW158
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Laboratory Analyses Completed for this profile