

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW159 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By: Chen, XY	Locality:
Date Desc.: 15/07/93	Elevation: 186 metres
Map Ref.: Sheet No. : 8327 1:25000	Rainfall: No Data
Northing/Long.: 6114600 AMG zone: 55	Runoff: Slow
Easting/Lat.: 525475 Datum: AGD66	Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: No Data	Pattern Type: Low hills
Morph. Type: Lower-slope	Relief: No Data
Elem. Type: Hillslope	Slope Category: No Data
Slope: 7 %	Aspect: 0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Bleached Red Chromosol Medium Gravelly Sandy	Principal Profile Form: Dr2.42
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); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Moderately moist; Weak consistence; Non-plastic; Slightly sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.1 - 0.3 m	Reddish brown (5YR5/4-Moist); Pink (5YR7/4-Dry); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Dry; Weak consistence; Non-plastic; Moderately sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.3 - 0.9 m	Yellowish red (5YR4/8-Moist); Mottles, 0-2% , Faint; Fine sandy light medium clay; Moderate grade of structure, 50-100 mm, Angular blocky; Smooth-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Strong consistence; Moderately plastic; Very sticky; Few cutans, <10% of ped faces or walls coated, faint; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Gradual, Smooth change to -
C1	0.9 - 1.8 m	Yellowish red (5YR4/6-Moist); Mottles, 10-20% , Faint; Fine sandy clay loam; Moderate grade of structure, 50-100 mm, Angular blocky; 5-10 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm ²) Very fine (0.075-1mm) macropores, Few (<1 per 100mm ²) Fine (1-2mm) macropores, Dry; Slightly plastic; Moderately sticky; 0-2%, fine gravelly, 2-6mm, subangular, dispersed, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations, weak, segregations; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations; Field pH 7 (Raupach);

Morphological Notes

A1	Aeolian sand.
A2	Aeolian sand.
B2	Laterally thins out.

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C1 Mangan on ped surface.

Observation Notes

Aeolian sand addition through sequence.

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