

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW243 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By: Chen, XY	Locality:
Date Desc.: 15/07/93	Elevation: 288 metres
Map Ref.: Sheet No. : 8327 1:25000	Rainfall: No Data
Northing/Long.: 6089500 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 513125 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: Low hills
Morph. Type: Open depression (vale)	Relief: No Data
Elem. Type: Valley flat	Slope Category: No Data
Slope: 4 %	Aspect: 270 degrees

Surface Soil Condition (dry): Hardsetting

Erosion: Partial, Minor (sheet) Partial, Moderate (gully)

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
N/A	Principal Profile Form: Dy3.42
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	Dark brown (7.5YR3/3-Moist); ; Loam; Weak grade of structure, 5-10 mm, Subangular blocky; 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; Slightly sticky; Field pH 5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
A2	0.1 - 0.3 m	Brown (7.5YR5/3-Moist); Pinkish grey (7.5YR7/3-Dry); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Non-plastic; Slightly sticky; Field pH 6 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
B	0.3 - 1.3 m	Yellowish brown (10YR5/4-Moist); Mottles, 20-50% , Distinct; Coarse sandy light medium clay; Moderate grade of structure, 100-200 mm, Columnar; 50-100 mm, Platy; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; Moderately plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules, strong, segregations;Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

B	Sample taken from top 20cm.	Lower part pH: 6.0.
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Observation Notes

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		
m					g/g -	m3/m3		mm/h	mm/h

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Laboratory Analyses Completed for this profile