

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 **Site ID:** WW191 **Observation ID:** 1
Agency Name: CSIRO Division of Soils (ACT)

Site Information

Desc. By: Chen, XY	Locality:
Date Desc.: 15/07/93	Elevation: 272 metres
Map Ref.: Sheet No. : 8327 1:25000	Rainfall: No Data
Northing/Long.: 6099175 AMG zone: 55	Runoff: Slow
Easting/Lat.: 528825 Datum: AGD66	Drainage: Moderately well drained

Geology

ExposureType: Existing vertical exposure	Conf. Sub. is Parent. Mat.: Probable
Geol. Ref.: Sgt	Substrate Material: Sand

Land Form

Rel/Slope Class: No Data	Pattern Type: Terrace (alluvial)
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: No Data
Slope: 3 %	Aspect: 0 degrees

Surface Soil Condition (dry): Hardsetting

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

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dy3.41
	Great Soil Group: Soloth

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.2 m	Brown (7.5YR4/3-Moist); ; Coarse sandy clay 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; Weak consistence; Slightly plastic; Moderately sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.2 - 0.65 m	Light brown (7.5YR6/4-Moist); Pinkish yellow (7.5YR8/2-Dry); ; Loamy coarse sand; Massive 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; Non-plastic; Slightly sticky; 20-50%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 7.5 (Raupach); Few, fine (1-2mm) roots; Abrupt, Wavy change to -
B2	0.65 - 1.7 m	Brown (7.5YR5/4-Moist); Mottles, 10-20% , Distinct; Mottles, 2-10% , Faint; Silty clay loam; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very firm consistence; Moderately plastic; Very sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
B3	1.7 - 2.5 m	Brown (7.5YR5/4-Moist); ; Medium sandy light clay; Weak grade of structure, 20-50 mm, Angular blocky; Earthy fabric; Common (1-5 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, Quartz, 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 6 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

B2 Wormy surface.

B3 Tunnel erosion.

Observation Notes

Soil developed on old alluvial sediments variable.

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 Site ID: WW191
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Site Notes

Project Name: WAGGA WAGGA SOIL LANDSCAPES
Project Code: 1000448 Site ID: WW191 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: WW191
Agency Name: CSIRO Division of Soils (ACT)

Observation ID: 1

Laboratory Analyses Completed for this profile