Project Name: **WAGGA WAGGA SOIL LANDSCAPES**
Project Code: **1000448** **Site ID:** **WW36** **Observation ID:** **1**
Agency Name: **CSIRO Division of Soils (ACT)**

Site Information

Desc. By: Chen, XY
Date Desc.: 15/07/93
Map Ref.: Sheet No. : 8327 1:25000
Northing/Long.: 6114220 AMG zone: 55
Easting/Lat.: 518050 Datum: AGD66
Locality:
Elevation: 209 metres
Rainfall: No Data
Runoff: Slow
Drainage: No Data

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 6 %
Pattern Type: Low hills
Relief: No Data
Slope Category: No Data
Aspect: 315 degrees

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy3.43
Great Soil Group: N/A

Site Disturbance:

Vegetation:

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, subrounded, Quartz; No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Loam; 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, Common (1-5 per 100mm2) Medium (2-5mm) macropores, Moist; Slightly plastic; Slightly sticky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Gradual, Smooth change to -
A2	0.2 - 0.25 m	Strong brown (7.5YR5/6-Moist); Pink (7.5YR8/4-Dry); ; Coarse sandy clay loam; 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, Few (<1 per 100mm2) Medium (2-5mm) macropores, Moist; Slightly plastic; Slightly sticky; 10-20%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 6.5 (Raupach); Many, fine (1-2mm) roots; Clear, Smooth change to -
B2	0.25 - 0.6 m	Strong brown (7.5YR5/6-Moist); Mottles, 20-50% , Distinct; Mottles, 10-20% , Faint; Medium heavy clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moist; Very plastic; Very sticky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Field pH 7 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
B3	0.6 - 0.95 m	Yellowish red (5YR5/8-Moist); Mottles, 20-50% , Prominent; Mottles, 10-20% , Faint; Medium sandy light clay; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Moderately plastic; Very sticky; 10-20%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Soft segregations, weak, segregations;Field pH 9.5 (Raupach);

Morphological Notes

A1	Sand fraction is coarse	
B3	Some mica and feldspars	Tiny carbonates

Observation Notes

Batter to 50cm Auger to 90cm

Site Notes

100M EAST OF DRAINAGE LINE

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m	Cmol (+)/kg							%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle Size Analysis				
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	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