Project Name: **WAGGA WAGGA SOIL LANDSCAPES**
Project Code: **1000448** **Site ID:** **WW95** **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.: 6090050 AMG zone: 55
Easting/Lat.: 527500 Datum: AGD66
Locality:
Elevation: 290 metres
Rainfall: No Data
Runoff: Slow
Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: No Data
Morph. Type: Lower-slope
Elem. Type: Footslope
Slope: 4 %
Pattern Type: Rises
Relief: No Data
Slope Category: No Data
Aspect: 135 degrees

Surface Soil Condition (dry): Firm

Erosion: Partial, Moderate (gully)

Soil Classification

Australian Soil Classification:
N/A
ASC Confidence:
Confidence level not specified
Mapping Unit: N/A
Principal Profile Form: Dy2.42
Great Soil Group: N/A

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation:

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.48 m	Brown (7.5YR4/3-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, Moist; Weak consistence; Slightly plastic; Moderately sticky; Field pH 5.5 (Raupach); Many, fine (1-2mm) roots; Sharp, Smooth change to -
2A1	0.48 - 0.6 m	Dark brown (7.5YR3/4-Moist); ; Clay loam, sandy; 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, Moderately moist; Firm consistence; Slightly plastic; Moderately sticky; Field pH 9.5 (Raupach); Common, fine (1-2mm) roots; Gradual, Smooth change to -
2A2	0.6 - 0.8 m	Pinkish grey (7.5YR6/3-Moist); Pinkish yellow (7.5YR8/2-Dry); ; Silty 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, Dry; Firm consistence; Slightly plastic; Very sticky; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 8 (Raupach); Common, fine (1-2mm) roots; Clear, Smooth change to -
2B2	0.8 - 1.25 m	Pale brown (10YR6/3-Moist); Mottles, 2-10% , Distinct; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; 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; Few cutans, <10% of ped faces or walls coated; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules, strong, segregations;Field pH 7.5 (Raupach); Few, fine (1-2mm) roots; Gradual change to -
2B3	1.25 - 1.45 m	Yellowish brown (10YR5/4-Moist); Mottles, 10-20% , Distinct; Mottles, 2-10% , Distinct; Medium heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moist; Very plastic; Very sticky; Common cutans, 10-50% of ped faces or walls coated; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations, weak, segregations;Field pH 7.5 (Raupach); Few, fine (1-2mm) roots;

Morphological Notes

A1	Post-European deposit, some charcoal, thinning towards valley centre.
2A1	Charcoal concentrates on top surface.

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2B3 Some tunnel erosion 40cm south.

Observation Notes

At margin of valley plain. Bed rock (granite) exposed at gully bottom.

Site Notes

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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